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ANNEX

ANNEX

to the

Proposal for a Council Implementing Decision

on the approval of the assessment of the recovery and resilience plan for Czechia

{SWD(2021) 211 final}

ANNEX

A. COMPONENT 1.1: DIGITAL SERVICES TO CITIZENS AND BUSINESSES

This component of the Czech plan shall support addressing the challenge of the incipient provision of digital public services, by increasing the number and user-friendliness of digital public services provided to citizens and businesses, and ensuring consistent, high-quality data management in the public administration. According to the results of the Digital Economy and Society Index (DESI 2020), Czechia presents a below average level of provision of digital public services to citizens and businesses.

The aim of this component is to create client orientated portals (Citizens, Justice, Entrepreneur, Healthcare) and promote the facilitation of data sharing and management within the administration to align with the once-only principle.

The implementation of the reforms under this component shall ensure the conditions for the sound management of databases and for controlled access to data. They shall also facilitate the provision of eHealth solutions, including the development of an eHealth portal, increased interconnectivity and interoperability of healthcare providers and central records, telemedicine and secondary use of health data.

The investments aim at implementing 22 projects improving eGovernment services provided to end-users and five projects increasing access to open data in public administration. The component shall also increase the digitalisation of the justice system by equipping courts with audio-visual recording and data production facilities and by creating a Justice Portal providing easy access and digital services to concerned parties.

The component supports addressing Country Specific Recommendation 3 2019, according to which Czechia shall focus investment-related economic policy on digital infrastructure, Country Specific Recommendation 1 2020, according to which Czechia shall strengthen the deployment of e-health services, and Country Specific Recommendation 3 2020, according to which Czechia shall support small and medium-sized enterprises by reducing the administrative burden and focus investment on the digital transition.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01).

A.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Conditions for quality data pool management and ensuring controlled data access

The reform shall establish a comprehensive legislative, standardisation and organisational framework for high-quality governance and public administration data management. The reform shall lead to the creation of a data-sharing (”managed access”) tool to allow other parts of the public administration, as well as qualified third entities, access to non-public government data in line with the FAIR principles (Findability, Accessibility, Interoperability, and Reusability). The reform shall incorporate into Czech law the principles of good data management.

The implementation of this measure shall be completed by 31 December 2025.

Reform 2: eHealth services

This reform shall increase the digitalisation of the health sector by implementing the following activities:

- definition of interoperability standards in accordance with the European Interoperability Framework for eHealth and definition of rules governing telemedicine;
- creation of a service catalogue, including the following new eHealth services: (i) Catalogue of standards; (ii) Catalogue of digital services; (iii) Reference register of health professionals; (iv) Patient reference register; (v) Identification/authentication services for patients and health care professionals; (vi) Patient Summary Services; (vii) eOrder services;
- extending the functionalities of the National Health Information Portal to include additional functionalities for the public, patients, health service providers and other authorised entities;
- connection of the most important health service providers to eHealth services according to interoperability rules and full operation of eHealth portal with increased functionality and service catalogue;
- strengthening the cybersecurity of the healthcare providers within the meaning of Act No 372/2011 in Prague and the cybersecurity of the government bodies under the Ministry of Health.

The reform shall be completed by 31 December 2025.

Investment 1: Digital services for end-users

The investment shall implement interconnected projects in order to increase the number of eGovernment services available through Citizens' and Entrepreneurs' portals and the number of forms pre-filled based on the information stored in the information system in the public administration. The investment shall lead to easier and simpler access for citizens and business to digital public services via a single platform of federated portals and to the connection of information systems including systems supporting sanitary measures in relation to the COVID-19 pandemic. As a result, an increased number of digital services shall become available to end-users via a single login surface and the number of pre-filled forms and electronic submission to public administration shall increase.

This investment shall be completed by 31 March 2026.

Investment 2: Development of open data and a public data fund

The investment shall include one programme with four interlinked projects aimed at fostering the publication of new open and public data sets. These projects shall consist of the publication of code lists used in public administration in public databases, the development of a national open data catalogue, the improvement of tools for accessing statistical information, and the creation of a modern meta-information system for the bodies of the State Statistical Service.

This investment shall be implemented by 31 December 2024.

Investment 3: Digital services for justice

The investment has the objective to increase transparency of the national justice system by creating an eJustice portal that meets cybersecurity requirements and provides online services and access to information to end-users. This portal shall be interconnected with the Citizen's Portal. Moreover, transparency and efficiency shall be further increased by digitalising the

records of court hearings and by equipping court hearing rooms with audio-visual data recorders.

This investment shall be implemented by 31 December 2023.

A.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
1	Reform 1: Conditions for quality data pool management and ensuring controlled data access	Milestone	Finalisation of data audit at the levels of the central government, and adoption of the conceptual document "Strategy of controlled access to data to ensure conditions for quality management of the public administration data collection" by the Government, forming a basis for new data management legislation	Conclusion of data audit of central government bodies (a total of 32 institutions), and adoption of the strategy conceptual document by the government.				Q4	2023	The data audit and the consequent strategy shall serve as a basis for the preparation of legislative changes to incorporate good data management in public administration in line with the FAIR principles and in line with the envisaged European Data Governance Act
2	Reform 1: Conditions for quality data pool management and ensuring controlled data access	Target	Introduction of new data management methodologies in public administration		Number of public administration authorities	0	32	Q4	2025	Standards for good data management in line with the FAIR principle to be developed for application in public administration, which shall be adopted and implemented by the authorities.
3	Reform 2: eHealth	Milestone	Definition of interoperability standards in accordance with the European Interoperability	Adoption of standards and rules by the Ministry of Health				Q1	2022	The measure shall lay down the standards, rules and requirements governing interoperability by healthcare providers and shall serve as a basis for adaptation of the health systems. Rules governing telemedicine services shall be laid down to define the conditions of providing such services.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
			Framework for eHealth and definition of rules governing telemedicine							
4	Reform 2: eHealth	Target	Number of new telemedicine services introduced and made available to patients		Number	0	5	Q4	2025	New telemedicine services developed and made available to patients following the approval of project delivery by the Ministry of Health.
5	Reform 2: eHealth	Target	Completion of projects leading to the implementation of new digital health services.		Number	1	8	Q4	2025	Completed projects shall include Smart quarantine 2.0; promotion of digital health services; eHealth portal solutions and secondary use of health data. These projects shall lead to the introduction of the following services: (1) Catalogue of standards, (2) Catalogue of digital services (3) Reference register of health professionals (4) Patient reference register, (5) Identification/authentication services for patients and health care professionals, (6) Patient Summary Services, (7) eOrder services
6	Reform 2: eHealth	Target	Connection of health service providers / medical facilities to eHealth services according to interoperability rules and full operation of eHealth portal with increased functionality and service catalogue			0	15	Q4	2025	The measure should result in connecting healthcare providers in an interoperable system to e Health portal, which the providers shall be able to use for entry of information and communication with inter alia citizens, health service providers and health insurance companies.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
7	Investment 1: Digital services for end users	Milestone	Full operation of the Single Digital Gateway	Entry into operation of the Single Digital Gateway providing the services to citizens and businesses				Q4	2022	A single platform for citizens and businesses enabling at least: submission of an initial application for admission to a public higher education institution; application for designation of applicable legislation in accordance with Title II of Regulation (EC) No 883/2004 on the coordination of social security systems; application for a pension and pre-retirement benefits from compulsory schemes; application for funding for higher education, for example in the form of a scholarship and loan from a public authority or institution.
8	Investment 1: Digital services for end users	Milestone	Connection of Sick Note system to Regional Hygiene Stations and the Smart Quarantine project developed to fight COVID-19 infection in the population and completion of development of 3 information systems	Successful connection of existing systems and development of new systems				Q4	2023	Connection of Sick Note, Regional Hygiene Station and Smart Quarantine completed aiming at reducing administrative complexity and improvement of systems developed during the COVID-19 pandemic and development and improvement of further 3 information systems: DIP – Information Obligations Database.:Global Distribution System in tourism; expansion of State Material Reserves Administration (SSHR).
9	Investment 1: Digital services for end users	Milestone	Full operation of 4 information systems	Entry into operation of the four developed information systems providing services to end-users				Q4	2024	The following projects shall be completed: Digital Registry development; Single Control Record Portal (JePEK); SIS_2 Tools for the Central Processing of Statistical Task; e-Tourism

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
10	Investment 1: Digital services for end users	Target	Completion of the listed projects leading to an increase of the number of filled forms sent by natural and legal persons to state authorities in a digital way (through portals or digital mailboxes)		Number	26 839 874	53 679 748	Q1	2026	The measures shall lead to a 100% increase in the number of electronic filled forms submitted through portals and data mailboxes between 1 January 2025 and 31 December 2025 against the reference basis of 2019.This shall be achieved by the completion of the following underlying projects: implementation of legislative changes in Real Estate Cadastre Information System (ISKN); new digital services for small organisations; Digital service under the Integrated Information System of the Czech Social Security Administration (IIS ČSSZ); Investment screening system; nDIS establishment new tax information system; Entrepreneur's portal; Public Administration Portal 2.0 (Citizen's Portal); SIS1_Single Point of Collection – Uniform Interface for data provision; Technical and patent information system services; electronic submission to the department of the environment; development of submissions to Czech Social Security Administration and the link to digital services to the public administration; further development of the Czech Social Security Administration – Information and communication interface – Unified portal solution for work and social affairs and its connection of the digital service to public administration; development of the new web presentations for the Ministry of Agriculture.
11	Investment 2: Development of open data and public data	Milestone	Extension of National Open Data Catalogue with advanced functionalities	Fully functional National Open Data Catalogue with advanced functionalities and services, including				Q4	2022	The National catalogue of open data shall register and publish open and public data and information from the whole public administration in one place. It shall have advanced functionalities for searching, increase in catalogued data and services including the publication of code lists in a public data fund; new tools for accessing statistical data and meta-system for State Statistical Services.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
				the completion of the listed projects.						
12	Investment 2: Development of open data and public data	Target	Increase in the number of open data producers in the public administration publishing open data in the National Open Data Catalogue		Number of new public entities	23	100	Q4	2024	The investments shall lead to an increase of 77 new entities publishing open data in the public administration.
13	Investment 3: Digital service for justice	Milestone	Deployment of a new technology platform of the Justice Portal, which shall make digital services available to citizens and shall be connected to the central Citizen's Portal	The update and full operation of the Justice Portal with extended functionalities				Q4	2023	The measure shall create a new Justice portal connected to the Citizen's portal. Functionalities and design shall be defined following needs assessment and user surveys. The redesign of justice.cz portal shall be implemented in 8 packages of thematically similar sites. Each package will consist of a user-oriented survey phase and design phase of the content.
14	Investment 3: Digital service for justice	Target	Equipment of courtrooms with audio-visual data recorders		Number of courtrooms	370	1100	Q4	2023	The measure shall procure audio-visual equipment for courtrooms in order to enable digital recording of hearings and procedures for greater transparency.

B. COMPONENT 1.2: DIGITAL PUBLIC ADMINISTRATION SYSTEMS

This component of the Czech recovery and resilience plan aims to address the challenge of stepping up the digital transformation in the Czech public administration and fostering collaboration and exchange between public institutions.

It aims at ensuring the development of interconnected data pool of the public administration's IT systems, supporting and enabling component 1.1, which supports the expansion of eGovernment services provided to end-users. The component shall develop core registers, including health registers, and connect public administration databases and relevant IT systems in order to reduce the complexity of procedures for companies and citizens and ensure secure data-sharing within the public administration.

The implementation of the reforms under this component aims to ensure a standardised and coherent approach to the development of agenda information systems within the public administration. They shall provide expertise and consulting services via Competence Centres. They shall also develop and consolidate the fragmented health registries to prepare them for the provision of shared services and information exchange.

Investments shall focus on developing and connecting core registries, on fostering the interconnection and update of age-related agenda information systems, on investing in equipment and infrastructure for eJustice services, and on improving the cybersecurity of the public administration.

The component supports addressing Country Specific Recommendation 2019 3, according to which Czechia shall focus investment-related economic policy on digital infrastructure, Country Specific Recommendation 2020 1, according to which Czechia shall strengthen the deployment of e-health services, and Country Specific Recommendation 2020 3, according to which Czechia shall support small and medium-sized enterprises by reducing the administrative burden and focus investment on the digital transition.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01).

B.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Centers of competence for supporting eGovernment, Cybersecurity and eHealth

The reform shall establish eGovernment competence centres, which shall provide guidance, expertise, consulting services and common standards across the public administration, in order to ensure the coherent implementation of the measures for digitalisation and modernisation of information systems envisaged under both components 1.1 and 1.2. This shall be implemented through three competence centres (Cybersecurity-; eHealth-; eGovernment Competence Centres) anchored in the public administration, delivering support to public authorities in areas of analysis, system architecture, user experience and user interface design, cyber security or portal solutions, and project management.

This reform shall be implemented by 31 December 2025.

Reform 2: Developing systems supporting the digitalisation of health

The reform shall accelerate and facilitate the creation of a coherent e-health infrastructure, including the stabilisation and standardisation of the healthcare data pool. The measure is

divided into several interlinked projects implementing reference registers of Health Service Providers, Health Professionals and Patients, interconnected with eGovernment reference registers; health registers of the hygienic service and health registers of oncological, cardiovascular and other diseases; project to build information system for management support of Hygienic service in Czechia; extension of the existing functionality of ePrescription include prescriptions for narcotic drugs and psychotropic substances and the introduction of the electronic voucher service, building infrastructure supporting the system of care for patients with rare diseases.

The measure also includes the provision of training programmes to expand the use of eHealth and digital services in the health sector, aimed primarily at healthcare staff.

The reform shall be implemented by 31 December 2025

Investment 1: Developing and improving individual information systems

The investment shall consist of projects aiming at updating, improving and connecting back-end age-related information systems, which shall enable the provision of new and enhanced services to citizens and businesses in the areas of employment policy, social security, medical assessment, statistics, passport and visa and services as foreseen under component 1.1. These projects shall lead to the improvement of ten information systems in total.

The investment shall be implemented by 31 December 2025.

Investment 2: Developing core registries and facilities for eGovernment

The investment shall create and upgrade core registers in Czechia, notably the Register of Individuals, Population Register, Register of Rights and Obligations, Register of Territorial Identifications, Addresses and Real Estate, ORG Information System, and shall include the development of a Shared Service Information System that connects data from different information systems into an interconnected datapool. This shall be achieved through twenty interconnected projects. Beyond the registries, the new facilities shall include a new data centre and the development of an eGovernment cloud for computing services and development of technological infrastructure of public administration.

This investment shall be implemented by 31 March 2026.

Investment 3: Cybersecurity

The investment shall aim at increasing the cybersecurity of the public administration and healthcare ICT infrastructure and information systems, under the Cybersecurity Act, in line with the National Cybersecurity Strategy. The measure shall include projects, which shall lead to i) the modernisation and expansion of police forces' capacity in Czechia to detect, identify and respond to security and ICT incidents and to ii) the increased cybersecurity of at least ten information systems.

The investment shall be implemented by 31 December 2025

Investment 4: Creating the conditions for digital justice

The investment aims to modernise the working environment of the judicial system and enable the continuation of work in times of limited physical contacts, thereby increasing the resilience of the national justice system. The investment consists of three interconnected projects, which shall include i) the analysis of the use of data and mapping the needs of digitalisation in the justice sector, along with the deployment of a data warehouse and increased storage capacity, ii) the capacity increase of infrastructure enabling remote access and iii) increasing the number of equipped videoconferencing rooms for the judiciary.

The investment shall be implemented by 31 December 2024.

B.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
15	Investment 1: Development of information systems	Milestone	Successful establishment and operation of universal contact point enabling clients to communicate with the public administration in one place.	Two key systems of the Czech public administration shall be operational, namely the CzechPOINT 2.0 system (in relation to citizens and officials) and the Central Authentication space of the public administration, the so called CAAIS (for officials)				Q4	2022	The milestone shall implement the CzechPOINT 2.0 system providing the public with the range of assisted services, extracts from public administration information systems and the possibility to submit filled forms to or communicate with the state administration. The milestone shall also include the Information system for Central Authentication (called CAAIS). The milestone is considered fulfilled when both parts are implemented and available to end users.
16	Investment 1: Development of information systems	Milestone	Successful upgrade and operation of ePassport (ePasy) and EVC2 visa system	Upgraded ePasy system is linked to core registries, EVC2 has implemented functionality of short and long-term visa in accordance with Entry/Exit System (EES) and both systems are available to end users				Q4	2022	Linking ePasy to core registries and EVC2 visa system has implemented functionality of short and long-term visa in accordance with EES.
17	Investment 1: Development of information systems	Milestone	Successful operation of the Integrated Foreigners system reducing the administrative burden of foreigners	New integrated system for foreigners is operational and providing services to end users				Q4	2024	The measure milestone shall establish a new integrated system for foreigners system (ICAS), which shall enable foreigners registered in Czechia to manage heir residency related affairs via new digital services for public administration clients in the given section.

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
			and public servants							
18	Investment 1: Development of information systems	Target	Contracting the execution of the listed information system projects forming the back-end basis of the information systems' development for public administration		Number	0	8	Q2	2024	The target is being achieved upon contracting the following projects: 1. Centralisation of system for self-employed persons 2. Electronic Exchange of Social Security Information 3. Grant Information System 4. Medical Assessment Service 5. Optimising data repository for social security administration 6. Branch system of e-filing services 7. Central Authentication Point for Czech Statistical Office and the integration of statistical registries into connected data pool 8. Museum Collections information system
19	Investment 1: Development of information systems	Target	Successful operation of new or upgraded information systems of public administration, which shall include the completion of the projects contracted under target 16		Number	0	8	Q4	2025	Under this measure the number of new or modernised information systems and projects implemented as part of this investment shall be counted in the target. All these systems the new or modernised information systems and projects implemented as part of the investment shall be operational and shall improve communication in public administration and improve the quality of services for public administration clients. The modernised information systems and completed projects shall include: 1. Centralisation of system for self-employed persons 2. Electronic Exchange of Social Security Information 3. Grant Information System 4. Medical Assessment Service 5. Optimising data repository for social security administration 6. Branch system of e-filing services 7. Central Authentication Point for Czech

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
										Statistical Office and the integration of statistical registries into connected data pool 8. Museum Collections information system
20	Investment 2: Development of core registers and facilities for eGovernment	Milestone	Completion of a fully operational software-defined data centre including data containers.	Successful testing and adoption of the delivery of a new data centre by the Ministry of Labour and Social Affairs				Q4	2022	The milestone shall be considered achieved once the new datacentre is fully operational and has been made available to end-users.
21	Investment 2: Development of core registers and facilities for eGovernment	Milestone	Completion of listed projects increasing the transmission capacity of the Central Point of Services and modernising and optimising communication and information infrastructure and information systems.	The milestone is considered achieved when the Central Point of Services is upgraded, its capacity and security is increased and the projects to improve core registries communication and information systems have been concluded by the contracting/ implementing entities.				Q4	2023	The measure shall constitute the development of basic registers and the development of the public administration's technological infrastructure, including an increase in its transmission capacity and the implementation of new customer services and high transmission capacity-intensive services. The milestone shall be considered as fulfilled upon the completion of the following projects: 1. Capacity and security development of central point of Services 2. Modernisation and optimisation of the Multi-Protocol Label Switching (MPLS) Communication and Information Infrastructure 3. National Certification Authority to provide certifications to public administration entities 4. Increasing the capacity of data centres and data storage products 5. Hardware and software replacements for central registries 6. Upgrade and improvement of core registries including: Register of Individuals, Population Register, Register of Rights and Obligations, Register of Territorial Identifications, Addresses and Real Estate, ORG Information System 7. Related development and improvement of

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
										Integrated system of core registers and Shared Service Information System 8. Improvement of National Identity and Authentication Point 9. Development of a consolidated interface for core registries
22	Investment 2: Development of core registers and facilities for eGovernment	Milestone	Provision of cloud computing services to public authorities	eGovernment cloud becomes available to end-users and capable of providing cloud computing services to public administration				Q2	2026	The project shall establish a communication and ICT infrastructure and software applications for an extended Zeleneč Data Centre in Czechia and information systems of Cloud computing and Portal of eGovernment cloud to provide data services to the eGovernment cloud for enabling cloud computing services (IaaS, SaaS) to public administration authorities. The milestone shall be considered as achieved when cloud computing services can be performed.
23	Investment 3: Cyber security	Milestone	Modernisation of the Security Information and Event Management System of the police of Czechia and extension of its use for cybersecurity protection of further five other information systems, which shall be selected based on risk and feasibility study	Entry into operation of the fully functional and upgraded Security Information and Event Management system and of additional five information services selected on the basis of a risk and feasibility study.				Q4	2022	The investment shall increase the availability of Security Information and Event Management security monitoring infrastructure capable of logging and evaluating security incidents and extend the capacities and abilities of the police and the Ministry of Interior in Czechia to identify and respond to security incidents and incidents in ICT even remotely when access to office infrastructure is limited.
24	Investment 3: Cyber security	Target	Completion of projects leading to an increase of the number of information systems		Number	0	10	Q4	2025	The measure shall increase the cybersecurity of the selected information systems in accordance with the requirements of Act No. 181/2014 Coll., on cyber security. The milestone shall be considered as achieved

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
			whose cyber security has been strengthened in line with Act No. 181/2014 Coll., on cyber security							following the successful and documented testing and verification of compliance with cyber security requirements of the at least 10 selected information systems by the National Cyber and Information Security Office (NÚKIB) and the owner authorities of the respective systems have approved the delivery of the projects.
25	Reforms 1: Centers of competence for supporting eGovernment, Cybersecurity and eHealth	Milestone	Full operation of three competence centres providing consulting services to authorities implementing the changes in information systems and eGovernment ecosystem foreseen under in the reforms and investments of A component 1.1 and B component 1.2 of the recovery plan	Competence centres shall be considered fully operational as soon as public authorities have submitted and competence centres have approved official requests for consulting services				Q4	2022	Three competence centres in eGovernment, cybersecurity and eHealth shall provide consulting and advisory services to authorities in implementing projects under component 1.1 and 1.2 reforms and investments of A component 1.1 and B component 1.2 of the recovery plan
26	Reform 1: Centers of competence for supporting eGovernment, Cybersecurity and eHealth	Target	Consultations and assistance provided on topics related to the measures under component 1.1 and 1.2 reforms and investments of A component 1.1 and B component 1.2 of the recovery plan in the scope of at least 5 man-days, provided to specific		Number consultations provided in scope of at least 5 man-days	0	50	Q4	2025	The measure shall provide expertise for the implementation of investments and reforms under component 1.1 and 1.2 to public administration bodies. Only consultations requiring a minimum five man-days shall be counted towards in the target.

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
			public administration bodies							
27	Reform 2: Development of systems supporting eHealth	Milestone	Extension of Shared Drug Recording (ePrescreption) to narcotics and psychotropic substances and to electronic vouchers for medical devices	Functionalities of ePrescription are extended with prescriptions for narcotics and psychotropic substances and with the prescription of medical device vouchers				Q4	2023	The existing functionalities of the ePrescription shall be extended by this measure enabling the prescription of narcotics and psychotropic substances and vouchers for the purchase of medical devices.
28	Reform 2: Development of systems supporting eHealth	Milestone	Completion of projects consolidating and developing the electronic healthcare infrastructure in order to create interlinked databases and improve digital healthcare services	The consolidated new services achieved by the projects are used by end users and registries are linked				Q4	2025	The projects included in this measure shall consolidate the departmental system of health registries including the Information systems of regional Hygienic stations, the Hygienic registers, the National health information system, and the integrated educational platform. The relevant healthcare registries shall be linked to eGovernment services. The achievement of the milestone shall be verified by the successful testing performed and documented by the developer and by the contracting authority's approval of project delivery following a successful pilot phase. Projects shall include: 1. Optimisation of the healthcare system for rare disease patients 2. Development of hygiene registers by improving existing registers of the sanitary services and information systems related to the management of pandemic situations 3. Development of an integrated information system to support the management of sanitation services in fourteen regions of the Czechia 4. Development of the infrastructure of branch

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
										eHealth reference registers of health service providers, health professionals and patients and support systems 5. Modernisation and capacity improvement of the National Health Information System 6. Training programme for health professionals for the use of eHealth systems
29	Investment 4: Creating the conditions for digital justice	Milestone	Analysis of data management and use of data in the justice sector and the deployment of a data warehouse	The analysis is approved by the Ministry of Justice and the data warehouse is deployed				Q2	2022	The milestone shall include an analysis mapping the data use and data management needs of the Justice sector and the Ministry of the Justice, which shall serve as a basis for the preparation of future projects aiming at the digitalisation of the sector and it shall also include the deployment of a data warehouse for the Ministry of Justice.
30	Investment 4: Creating the conditions for digital justice	Target	Increase in the number of conferencing rooms in the Justice system newly equipped and connected to enable video conferencing.		Number of conference rooms	170	470	Q4	2022	The measure shall increase the number of conference rooms equipped with videoconferencing tools
31	Investment 4: Creating the conditions for digital justice	Target	Increase of the data storage capacity		Petabyte	2	4	Q4	2024	The measure shall increase the data storage capacity of the Ministry of Justice strengthening the infrastructure for digital workplace and remote working.

C. COMPONENT 1.3: HIGH CAPACITY DIGITAL NETWORKS

This component of the Czech recovery and resilience plan supports addressing the challenge of deploying very high capacity networks (VHCN) to maximise access to online services through internet connectivity for citizens, enterprises, public administrations and institutions, especially in rural areas. The component also aims at creating conditions supporting the development of 5G networks and services.

The component contributes to addressing country specific recommendation, according to which Czechia shall focus investment-related economic policy on digital infrastructure (Country Specific Recommendation 3 2019), and the country specific recommendation, according to which Czechia shall focus investment on the digital transition, in particular on high-capacity digital infrastructure and technologies (Country Specific Recommendation 3 2020).

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01). For all infrastructure investments, at least 70 % of construction and demolition waste shall be reused or recycled in accordance with the 'Do no significant harm' Technical Guidance (2021/C58/01).[1]

C.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Improving the environment for the deployment of electronic communication networks

This reform aims at improving the capacity to gather information on the active and passive infrastructure of electronic communication. The reform is aligned with the objectives of the Union sectoral legislation aiming at reducing the cost of network deployment, including Directive 2014/61/EU on measures to reduce the cost of deploying high-speed communication networks as well as to the aims of Directive 2018/1972 (the European Electronic Communications Code).

The reform shall include, inter alia:

- The implementation of measures, including the entry into force of necessary legislative amendments and the completion of technical specifications, aimed at establishing databases of planned projects.
- The completion of digital technical maps (DTM) objects, allowing access to precise information on the location and technical infrastructure owned by public and private

[1] In particular, the measure requires the economic operators carrying out the construction works to ensure that at least 70% (by weight) of the non-hazardous construction and demolition waste (excluding naturally occurring material referred to in category 17 05 04 in the European List of Waste established by Decision 2000/532/EC of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste (notified under document number C(2000) 1147)) generated on the construction site shall be prepared for re-use, recycling and other material recovery, including backfilling operations using waste to substitute other materials, in accordance with the waste hierarchy and the EU Construction and Demolition Waste Management Protocol.

entities. The measure aims at digitising at least 161 000 hectares of basic spatial situation and 55 000 km of transportation and technical infrastructure networks.

- The completion of network quality measurements for all 76 districts of Czechia and the capital city, with the aim of providing better information on 5G and fixed network quality and reducing network coverage verification times. The measurements shall be in accordance with the quality-of-service parameters, definitions and measurement methods detailed in Annex X of Directive (EU) 2018/1972 and follow the BEREC Guidelines detailing Quality of Service Parameters.

The availability of information on existing physical infrastructure and publicly funded civil engineering works shall make the sharing of physical infrastructure more efficient for the deployment of high-speed electronic communications networks.

The measure shall be completed by 31 December 2025.

Reform 2: Supporting the development of the 5G ecosystem

This measure aims at drawing up the strategic framework to promote infrastructure sharing for 5G networks, especially in less commercially attractive areas, allowing for a reduction in energy consumption, radio emissions, as well as the costs of network construction and operation.

The measure shall support the completion of 25 studies, aimed at:

- Reviewing the national radio spectrum plan and evaluating the existing processes of the spectrum rights allocation and award strategy plans, with the objective of exploiting harmonised frequency bands for commercial use as early as possible, following the criteria established in the Common Union Toolbox for Connectivity[2].

- Analysing the feasibility of allowing operators to pay radio spectrum award fees in instalments in order to facilitate investments in 5G infrastructure.

- Identifying and formulating challenges arising from cybersecurity, the construction of electronic communications networks within municipalities and cities, and the development of towns and cities.

Based on these studies, proposals shall be developed by the 5G Alliance on possibilities to further develop the 5G ecosystem. These proposals shall form the basis for guidelines on sharing passive and active electronic communication infrastructure to facilitate the deployment of 5G networks, in line with the Common Union Toolbox for Connectivity and taking into account Directive 2014/61/EU on measures to reduce the cost of deploying high-speed electronic communications networks, the RSPG21-016 FINAL report on spectrum sharing and Act No 143/2001 on the protection of competition. The measure also foresees the completion of a pilot project on 5G/26 GHz, aimed at developing guidelines and algorithms on radio spectrum coordination procedures of 5G and spectrum sharing with other services within the 26 GHz band.

The reform shall be completed by 31 December 2025.

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[2] Adopted pursuant to Commission Recommendation 2020/1307 on a common Union toolbox for reducing the cost of deploying very high capacity networks and ensuring timely and investment-friendly access to 5G radio spectrum, to foster connectivity in support of economic recovery from the COVID-19 crisis in the Union.

Investment 1: Building high-capacity connectivity

This measure aims at supporting the construction of very high capacity connectivity networks (VHCN) with a particular focus on rural areas, where market-based solutions are not profitable and there exists little commercial incentive to deploy such networks. These areas of intervention shall be determined in accordance with the State aid rules in force and shall be subject to public consultation.

At least one call for tenders for the construction of very high-capacity connectivity shall be launched for this measure, whose outcome shall be published by 31 December 2024. Through the implementation of the selected projects, the number of address points connected with the VHCN network as defined in the BEREC Guidelines on Very High Capacity Networks (connectivity of at least 1 Gb/s) shall increase by at least 23 000 units.

The investment shall be completed by 31 March 2026.

Investment 2: Covering 5G corridors and promoting the development of 5G

This measure aims at enhancing the 5G coverage of transport corridors via investments in equipment, as well as on research and development.

In pursuit of this objective, the following measures shall be completed:

- Increasing the coverage of rail corridors with an improved 5G signal. Based on a mapping of 4G coverage carried out by the Czech Telecommunications Office, intervention areas shall be proposed by 30 September 2021, ensuring that these would not be covered by telecoms operators in the market within 3 years. The following rail corridors shall be covered: Prague – Česká Třebová – Ostrava, Prague – Ústí nad Labem, Prague – Plzeň, Prague – České Budějovice, and Česká Třebová – Brno.

- Equipping at least 350 railway wagons with repeaters or passive walls for 5G signals. The contractors shall be selected following a call for tenders based on a study on the scope and feasibility of the project.

- Building and testing a Cooperative Intelligent Transport System for rail corridors (C-ITS) in 5G networks. Quarterly reports on the tests and experience gained shall be made available to other carriers operating in the above-mentioned rail corridors.

This investment shall be completed by 31 December 2025.

Investment 3: Supporting the development of 5G mobile infrastructure in rural investment-intensive white areas

This measure aims at enhancing the coverage of the 5G network in ‘white areas’, i.e. areas that have never been covered by any mobile signal higher than 3G and that can be assumed not to be covered by 5G base networks in the future due to the low expected profitability of the investment. This definition follows the State aid rules in force and the National plan for VHCN development. These areas shall be established based on an assessment of white basic settlement units to be carried out by the Czech Telecommunications Office and shall be subject to public consultation.

To achieve this objective, calls for tenders for the construction and operationalisation of base transceiver stations (BTS) for 5G signals shall be launched. The intervention areas shall be proposed by the Ministry of Industry and Trade by 30 September 2021, ensuring that the proposed intervention areas shall not be covered by market-based telecoms operators within the following three years. The outcome of the calls for tenders shall be published by 31 December 2024.

Through the implementation of the selected projects, the number of BTS shall be increased by 120.

The investment shall be completed by 31 March 2026.

Investment 4: Scientific research activities related to the development of 5G networks and services

This measure is aimed at supporting public and private entities in research, development and innovation related to 5G networks and services.

In pursuit of this objective, a call for tender for scientific research projects relating to the technological development of 5G networks and applications for the 5G ecosystem shall be launched. The projects shall focus on the use of 5G applications in industry and services, in particular the exploitation of new technologies in the production processes of the automotive and other key sectors, taking into account the principles of circular economy through the sourcing of secondary raw materials. Support shall also be targeted at projects fostering the development and dissemination of automation, robotisation, artificial intelligence and virtual or augmented reality. Potential beneficiaries include businesses or public research organisations. At least 20 projects shall be selected by 31 December 2024. During the subsequent implementation phase, at least 20 of the selected projects shall be completed.

The investment shall be completed by 31 December 2025.

C.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
32	Reform 1: Improving the environment for the deployment of electronic communications networks	Milestone	Entry into force of measures prepared by the Ministry of Industry and Trade aimed at establishing a database of investment project plans and increasing the number of network quality measurements	Provision in the acts indicating the entry into force				Q2	2023	Necessary legislative adaptations shall enter into force and technical specifications shall be completed, both aimed at establishing databases of investment project intentions in the meaning of Act No 194/2017 Coll., paragraph 11, 2 and increasing the number of quality measurements of electronic communications networks. The national regulator shall conduct tendering procedures and acquire the necessary equipment. Quality and usability of the provided information shall be in line with binding technical parameters.
33	Reform 1: Improving the environment for the deployment of electronic communications networks	Target	Completion of digital technical maps (DTM) objects for basic spatial situation		Hectares	0	161 000	Q4	2025	Digital technical maps (DTM) objects shall be completed, allowing access to precise location information about the basic spatial situation objects owned by public and private bodies. 161 000 ha of basic spatial situation objects shall be digitised. The resulting DTM objects shall be publicly accessible.
34	Reform 1: Improving the environment for the deployment of electronic communications networks	Target	Completion of digital technical maps (DTM) objects for transportation and technical infrastructure networks		Km	0	55 000	Q4	2025	Digital technical maps (DTM) objects shall be completed, allowing access to precise information about the location and technical specifications of physical infrastructure networks owned by public and private bodies. 55 000 km of transportation and technical infrastructure networks shall be digitised. The resulting DTM objects shall be publicly accessible.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
35	Reform 1: Improving the environment for the deployment of electronic communications networks	Target	Completion of electronic communication quality measurements		Number	0	77	Q4	2025	Measurement of the network quality shall be completed for all 76 districts of Czechia and the capital city.
36	Reform 2: Supporting the development of the 5G ecosystem	Target	Publication of studies aimed at improving the deployment of 5G networks by the Ministry of Industry and Trade		Number	0	25	Q4	2024	The studies shall have the following objectives: • Reviewing the national radio spectrum plan and evaluating the existing processes of spectrum rights granting and award strategy plans, with the objective of exploiting the harmonised bands for commercial use as early as possible. • Analysing the feasibility of allowing operators to pay radio spectrum award fees in instalments to facilitate investments in 5G infrastructure. • Identifying challenges arising from cybersecurity. • Construction of electronic communications networks within municipalities and cities, and the development of towns and cities. In particular, the studies shall focus on the following issues: • applicability of 5G features and standards in individual sectors and proposals for their technical implementation and regulatory measures. • concept and usage of the digital twin of 5G network infrastructure. • use of satellite communications for 5G coexistence and cooperation of terrestrial and satellite 5G networks. • applicability of FeMBMS (Further evolved

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
										Multimedia Broadcast Multicast Service) in 5G networks for television broadcasting and audiovisual media services, including a strategy for the future use of the 600 MHz frequency band for television broadcasting. • use of FRMCS (Future Railway Mobile Communication Systems) for railways with dedicated channels in the 900 MHz and 1900 MHz bands. • use of quantum technology to increase the security of 5G networks and services. • possibility of sharing spectrum usable for 5G networks. • use of the 26 GHz frequency band for the 5G network. • use of modern information systems, including sharing software through open sources or other forms of sharing, such as cloud servers, in 5G networks. • use of a 5G network slicing system for public and private 5G networks. • linking Internet of things (IoT) communications with 5G networks. • use of 5G networks for Fixed Wireless Access • impact of Open RAN (Radio Access Network) and Open Core access on the security of 5G networks. • flying communication platforms (drones, UAVs, balloons) and their impact on the regulation of electronic communications. • smart radio environments with application of online measurements of electromagnetic radiation and intelligent reflecting surfaces. • development of 6G networks in the bands above 100 GHz.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
37	Reform 2: Supporting the development of the 5G ecosystem	Milestone	Publication of guidelines on the deployment of 5G networks by the Ministry of Industry and Trade	Publication of the guidelines by the Ministry of Industry and Trade				Q4	2025	Guidelines shall be published on sharing passive and active infrastructure to facilitate deployment of 5G networks, corresponding to the Common Union Toolbox for Connectivity and taking into account Directive 2014/61/EU on measures to reduce the cost of deploying high-speed electronic communications networks, the RSPG21-016 FINAL report on spectrum sharing and Act No 143/2001 on the protection of competition. The guidelines shall be based on the studies published within the same measure. In particular, the measure foresees the development of guidelines and algorithms on radio spectrum coordination procedures of 5G, and spectrum sharing with other services within the 26 GHz band.
38	Investment 1: Building high-capacity connections	Milestone	Award of all grant decisions for connecting address points with the very high capacity network (VHCN) by the Ministry of Industry and Trade	Notification of the award of all grant decisions for connecting address points with the very high capacity network (VHCN) by the Ministry of Industry and Trade				Q4	2024	Notification of the award of all grant decisions for connecting address points with the very high capacity network (VHCN) by the Ministry of Industry and Trade. Calls for tender shall include a definition of eligible expenditure, evaluation models and criteria for the selection and evaluation of projects, rules for applicants and beneficiaries, and guidelines on wholesale offers.
39	Investment 1: Building high-capacity connections	Target	Completion of address points connected with the very high capacity network (VHCN)		Number	0	23 000	Q1	2026	The infrastructure to increase the number of address points connected with the very high capacity network (VHCN) shall be constructed, increasing the number of address points connected by 23 000. The very high capacity network shall be in line with the BEREC Guidelines on Very High Capacity Networks.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
40	Investment 2: Covering 5G corridors and promoting the development of 5G	Target	Completion of enhanced 5G signal coverage of selected rail corridors		Km	0	210	Q4	2025	The measure shall enhance 5G coverage quality (beyond already imposed coverage criteria raised from spectrum auctions) over at distance of at least 210 km in the following rail corridors: Prague – Česká Třebová – Ostrava, Prague – Ústí nad Labem, Prague – Plzeň, Prague – České Budějovice, and Česká Třebová – Brno.
41	Investment 2: Covering 5G corridors and promoting the development of 5G	Target	Completion of equipping railway wagons with repeaters for passive walls mobile signal coverage		Number	0	350	Q4	2025	Current wagons shall be equipped with operational 5G repeaters or passive walls for the quality provision of mobile data services.
42	Investment 2: Covering 5G corridors and promoting the development of 5G	Milestone	Installation and testing of the deployment of an intelligent transport system (C-ITS).	Completion of the installation and testing of a C-ITS system				Q4	2025	Support of 5G ecosystem applications in corridors shall entail building and testing of an intelligent transport system for rail corridors (C-ITS). A report on the results of this project shall be published by the Ministry of Industry and Trade together with the Ministry of Transport
43	Investment 3: Supporting the development of 5G mobile infrastructure in rural investment-intensive white areas	Milestone	Award of all grant decisions for connecting municipalities with high-capacity connection	Notification of the award of all grant decisions for connecting municipalities with high-capacity connection by the Ministry of Industry and Trade				Q4	2024	Notification of the award of all grant decisions for connecting municipalities with high-capacity connection by the Ministry of Industry and Trade. Calls for tender shall include a definition of eligible expenditure, evaluation models and criteria for the selection and evaluation of projects, rules for applicants and beneficiaries, and guidelines on wholesale offers. Inter alia, the selection criteria shall be in line with the BEREC Guidelines on Very High Capacity Networks. The municipalities shall be exclusively located in areas that have never been covered by any mobile signal higher than 3G and that can be assumed not to be covered by 5G base networks in the future due to the low expected profitability of the investment. These areas shall be defined

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
										in accordance with the State aid rules in force and the National plan for VHCN development.
44	Investment 3: Supporting the development of 5G mobile infrastructure in rural investment-intensive white areas	Target	Completion of base stations for 5G signals		Number	0	120	Q1	2026	The infrastructure, including 120 base stations, shall be constructed and operational to cover by 5G signals the municipalities in investment-intensive rural areas identified in investment 3.
45	Investment 4: Scientific research activities related to the development of 5G networks and services	Milestone	Award of all grant decisions for scientific research projects related to 5G networks	Notification of the award of all grant decisions for scientific research projects related to 5G networks by the Ministry of Industry and Trade				Q4	2024	Notification of the award of all grant decisions for scientific research projects related to 5G networks by the Ministry of Industry and Trade. The projects shall focus on the use of 5G applications in industry and services, in particular the exploitation of new technologies in the production processes of the automotive and other key sectors, taking into account the principles of circular economy through the sourcing of secondary raw materials. Support shall also be targeted at projects fostering the development and dissemination of automation, robotisation, artificial intelligence and virtual or augmented reality. Potential beneficiaries include businesses or public research organisations.
46	Investment 4: Scientific research activities related to the development of 5G networks and services	Target	Completion of scientific research projects related to 5G networks		Number of projects supported	0	20	Q4	2025	At least 20 among the previously selected scientific research projects on potential further developments of 5G networks and services.shall be completed. The resulting studies shall be published by the Ministry of Industry and Trade.

D. COMPONENT 1.4: DIGITAL ECONOMY AND SOCIETY, INNOVATIVE START-UPS AND NEW TECHNOLOGY

This component of the Czech recovery and resilience plan contributes to addressing the challenge of facilitating the digitalisation and adoption of new technologies by companies, including SMEs. It also aims at setting up a body coordinating the projects focusing on the economy's digital transformation, supporting the development and uptake of selected strategic technologies, including artificial intelligence, and improving the innovation ecosystem in particular for start-ups, including through enhanced academia-business linkages. The planned investments are expected to foster access to finance for innovative start-ups and SMEs, inter alia through fintech and early-stage financing solutions, as well as access to training and to testing facilities in order to contribute to the uptake of new digital technologies. The component has synergies with components 1.3 [High-capacity digital networks] and 1.5 [Digital transformation of enterprises] of the Czech plan, which contribute to addressing the access to high-capacity networks and the digitalisation of business.

The component supports addressing Country Specific Recommendation 3 2019, according to which Czechia shall focus investment-related economic policy on digital infrastructure and remove the barriers hampering the development of a fully functioning innovation ecosystem, and Country Specific Recommendation 3 2020, according to which Czechia shall support small and medium-sized enterprises by making greater use of financial instruments to ensure liquidity support, to focus investment on digital transition, in particular on high-capacity digital infrastructure and technology, and to ensure access to finance for innovative firms and improve public-private R&D cooperation.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01). In particular, the results of the R&I process shall be technologically neutral at the level of their application (i.e. they shall be applied across all available technologies, including low-impact technologies), and the measure shall ex ante exclude R&I dedicated to the 'brown R&I' elements (i.e. coal, lignite, oil/petroleum, natural gas not covered by Annex III of the DNSH Technical Guidance, blue and grey hydrogen, incinerators and landfills).

D.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Institutional reform of the system of management for digital transformation including RIS 3 strategy

The institutional reform aims to simplify the organisation structure overseeing the digital transformation. The newly established Digital Transformation Committee (DTC) shall closely cooperate with National Innovation Strategy for Smart Specialisation governing entities that identify and disseminate key technologies and relevant fields of research and innovation. It shall ensure connectivity and coordination amongst actors across the entire digital ecosystem and shall include the representation of private and public stakeholders. To support this work, it shall commission analytical studies and procure expert support services and it shall also raise awareness among businesses and citizens on the opportunities to apply new digital technologies.

The further improvement of the digital and innovation ecosystem (including start-ups, spin-offs and strategic technologies) shall include the establishment of a coordinating body, under the Digital Transformation Committee, responsible for the implementation of support programmes for business under this component in line with EU Start-up Nations Standard and

it is expected to commission legal analyses and proposals, impact assessments, and provide recommendations and advice on the implementation of the reform and the related investments. The reform shall lead to setting up cooperation between the public and private sectors and to supporting the three pilot co-investment funds, entepreneurship and business support schemes, activities to enhance internationalisation of start-ups and regulatory sandboxes testing innovative solutions in practice, as proposed under this component.

The reform shall be implemented by 31 December 2025.

Reform 2: Joint Strategic Technologies Support and Certification Group with the Strategic Technologies Board

The reform aims at creating accredited quality management and product certification authorities and providing a network of accredited laboratories with sufficient testing and certification capacities, which shall improve the quality of products and facilitate the management of production processes and competitiveness of Czech companies. This shall increase the necessary capacity and lower the costs of authorising institutions, hence making certification more accessible, particularly in strategic sectors such as aerospace and medical devices industry. The reform shall support activities such as the retrofitting of laboratories, facilitating accreditation processes and purchasing equipment with a focus on: advanced materials and technologies (composites, additive manufacturing, laser applications); green technologies (hybrid/electric propulsion, decarbonisation, noise reduction, biofuel, sustainability of air transport); automation and digitisation; Unmanned Aerial Vehicle (UAV)/Unmanned Aircraft Systems (UAS); Urban Air Mobility (UAM); software applications; Industry 4.0 in Aerospace (AI, IoT, Big Data). The component shall also include consultancy and advisory services to firms in preparation for obtaining certification and in dissemination of manufacturing practices.

The reform shall be implemented by 31 December 2024.

Investment 1: European Centre of Excellence in AI "for Citizens' Safety and Security"

The purpose of the investment is to create an additional Network of European Centres of Excellence in Artificial Intelligence, which is expected to obtain the Seal of Excellence under Horizon Europe. The centre aims to ensure sufficient research capacity to enable the introduction and application of AI technologies in the designated area.

It shall focus its operation on safety-enhancing applications of AI and contribute to the scientific research in the field, with a particular focus on the segments where comparative advantage can be achieved through national and regional specialisation. The centre's activity shall be in line with the Coordinated Plan on Artificial Intelligence[3] and the investment aims at following the recommendations of the High-Level Expert Group on AI of the European Commission.

The investment shall be implemented by 31 December 2022.

Investment 2: European Digital Media Observatory Hub (EDMO)

This investment shall establish the Central European Digital Media Observatory (CEDMO), a regional institution led by the Charles University in partnership with the Czech Technical University of Prague (ČVUT) and the fact-checking website demagog.cz. CEDMO shall be linked with the European Digital Media Observatory and follow the Action Plan against Disinformation issued by the European Commission and High Representative of the Union

[3] COM(2021) 205 final

for Foreign Affairs and Security Policy. It shall provide AI tools and methodology to fight fake news in the digital space in an impartial manner in cooperation with European Centre of Excellence in AI, and it shall provide methodology to detect, analyse and publicise disinformation campaigns at national, transnational and European level and analyse the impact of disinformation campaigns on society and democracy; support media literacy and monitor the rules of online platforms and the digital media ecosystem in cooperation with national authorities. The investment shall also include long-term research providing monthly outputs based on a statistically relevant panel of minimum 2000 people of the population in Czechia leading to reports on digital and media literacy, the resilience of the population to disinformation and misinformation in Czechia.

The investment shall be implemented by the 31 of December 2025.

Investment 3: Transfer of foreign good practices and know-how for digital transformation, monitoring and research on the socio-economic effects of the crisis (Samuel Neaman Institute)

This investment shall lead to the creation and capacity-building of the Samuel Neaman Institute's Strategic Think Tank in the Czech Republic, which shall be established as an independent organisation and shall be directly linked to the Digital Transformation Committee (established under Reform 1). Its objective is to bring together business federations, employers' representatives, academia and other stakeholders, and the public administration, to patronage and coordinate the digital transformation of the Czech economy, while monitoring and evaluating its socio-economic impact. The Institute is expected to establish memorandums for international cooperation for the transfer of best practices in digital transformation with at least five global leading institutions.

The investment shall be completed by 31 December 2024.

Investment 4: SME Management Training Platform for post-COVID-19 Digital Transformation

This measure aims at creating a Digital Transformation Platform, which shall serve as a one-stop-shop for companies that seek information on the application of new digital technologies such as AI, blockchain, cloud computing, robotisation and automation, cybersecurity and high performance computing and shall also support policymakers for data and evidence-based decisions in the area of the digital transformation of the economy. In a second phase, a training platform shall be created to provide e-learning-based solutions for new digital technologies in line with the principles of life-long learning. The implementation shall be accompanied by data collection and analyses in order to identify the hurdles and barriers hindering companies to implement new digital solutions. The implementation shall be coordinated by the Digital Transformation Committee and shall be complementary to the other investments in digital transition coordinated by the Committee.

The investment shall be completed by 31 December 2024.

Investment 5: European Blockchain Services Infrastructure (EBSI)

The planned investment in the European Blockchain Services Infrastructure (EBSI) falls under the umbrella of the European Blockchain Partnership (EBP) and is expected to be co-financed by the Digital Europe Programme. The measure shall support the implementation of an EBSI/EBP use case focused on creation of pan-European (Distributed Ledger Technology) DLT bond platform for SME debt financing. The project shall contribute to enabling SMEs easier access to finance, to reducing costs and increasing transparency.

The investment shall be completed by 31 December 2023.

Investment 6: 5G Demonstrative application projects for cities and industrial areas

This measure shall finance the development of at least 52 projects demonstrating the application of digital infrastructure and 5G. The projects shall fall under two different initiatives, namely:

- Smart Cities, which aims to demonstrate the use of 5G in city networks including, among others, intelligent transport systems, street lighting, waste/circular management, public transport, parking space management, urban crime reduction concepts; and
- Industry 4.0 demonstration projects presenting the application of digitised production lines or robotised systems (built on the routine use of artificial intelligence) and direct communication of mobile equipment users with each other (Device-to-Device communication, D2D).

The investment shall be completed by 31 December 2025.

Investment 7: Czech Rise-Up Programmes

The Czech 'Rise-Up' programme shall tackle the economic and social impact of the pandemic and it shall include two separate calls for projects: the first call shall be open to project proposals aiming at COVID-related medical research and development projects, which have reached the maturity of near-completion, certification or legal protection. The second call shall be open to research projects aiming at medical and non-medical technological solutions to cope with the economic and social consequences of the COVID crisis, in particular in the fields of health, education, audio-visual sector, digital transformation of traditional businesses and sectors.

The investment shall be completed by 31 December 2023.

Investment 8: Fostering entrepreneurship and innovative firms

This measure aims at fostering entrepreneurship and at supporting the successful launch of new enterprises across Czechia. The measure shall include advisory, consultancy and mentoring services provided via regional innovation and business hubs to newly established business initiatives and start-ups. The measure shall also include-awareness raising campaigns to promote entrepreneurship.

The investment shall be completed by 31 December 2024.

Investment 9: Pilot co-investment funds for the development of pre-seed investments, strategic technologies and university spin-offs within the framework of European Centres of Excellence

The measure shall support the development of venture capital and the digital transformation of the economy by investing in the form of grants in innovative start-ups. It shall consist of three pilot co-investment funds: i) a pre-seed fund; ii) a strategic technologies fund; and iii) a spinoff AI fund. The three funds shall invest, respectively, in early-stage projects and technology start-up companies; in strategic technologies such as AI, blockchain, FinTech, 5G applications; and in projects of research organisations and universities to transfer and commercialise their research results in business practice.

In order to ensure that the measure complies with the 'Do no significant harm' Technical Guidance (2021/C58/01), the legal agreement between Czechia and the entrusted managing entity of the funds and the subsequent investment policy of the financial instrument shall require the application of the Commission's technical guidance on sustainability proofing for

the InvestEU Fund; and exclude the following list of activities and assets from eligibility: (i) activities and assets related to fossil fuels, including downstream use[4]; (ii) activities and assets under the EU Emission Trading System (ETS) achieving projected greenhouse gas emissions that are not lower than the relevant benchmarks[5]; (iii) activities and assets related to waste landfills, incinerators[6] and mechanical biological treatment plants[7]; and (iv) activities and assets where the long-term disposal of waste may cause harm to the environment; and require the verification of legal compliance with the relevant EU and national environmental legislation of the projects by [the entrusted entity or financial intermediary] for all transactions, including those exempted from sustainability proofing.

The investment shall be completed by 31 December 2025.

Investment 10: Internationalisation of start-ups

The objective of this measure is to provide Czech SMEs and start-ups with training, advisory and consulting services by experts in management skills and transfer of best business practices, such as: negotiations; know-how of foreign markets; using new digital tools and adaptation to new digital trends; product validation for foreign markets; access to venture capital; accelerator programmes and mentoring. The programme shall be implemented by CzechInvest under the Innovation Strategy of the Czech Republic 2030 and the Country for the Future programme.

The investment shall be completed by 31 December 2023.

Investment 11: Regulatory sandboxes in line with EU priorities

This measure shall consist of the launch and initial operation of two regulatory sandboxes, notably one in the field of artificial intelligence and one in fintech. The sandboxes shall be established in cooperation with the relevant authorities, regulators and partners of the respective sector and shall aim at providing an adequate technical and technological environment for testing new technologies. They shall be accessible for SMEs and start-ups as well as for other companies and shall include regular calls for testing programmes for innovative companies.

The investment shall be completed by 31 December 2023.

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4 Except projects under this measure in power and/or heat generation, as well as related transmission and distribution infrastructure, using natural gas, that are compliant with the conditions set out in Annex III of the 'Do no significant harm' Technical Guidance (2021/C58/01).

5 Where the activity supported achieves projected greenhouse gas emissions that are not significantly lower than the relevant benchmarks an explanation of the reasons why this is not possible should be provided. Benchmarks established for free allocation for activities falling within the scope of the Emissions Trading System, as set out in the Commission Implementing Regulation (EU) 2021/447.

6 This exclusion does not apply to actions under this measure in plants exclusively dedicated to treating non-recyclable hazardous waste, and to existing plants, where the actions under this measure are for the purpose of increasing energy efficiency, capturing exhaust gases for storage or use or recovering materials from incineration ashes, provided such actions under this measure do not result in an increase of the plants' waste processing capacity or in an extension of the lifetime of the plants; for which evidence is provided at plant level.

7 This exclusion does not apply to actions under this measure in existing mechanical biological treatment plants, where the actions under this measure are for the purpose of increasing energy efficiency or retrofitting to recycling operations of separated waste to compost bio-waste and anaerobic digestion of bio-waste, provided such actions under this measure do not result in an increase of the plants' waste processing capacity or in an extension of the lifetime of the plants; for which evidence is provided at plant level.

Investment 12: Building quantum communication infrastructure

The investment aims at building an optical quantum communication network in Czechia in line with the priorities of the Digital Europe Programme. This shall include the creation of a backbone network and connected secondary branches, the connection of critical and security infrastructure, as well as testing and training of experts. The network shall be capable of fast data transmission and processing, which shall connect the most relevant stakeholders identified in the planning phase and be able to connect to similar infrastructure in neighbouring countries.

The investment shall be concluded with completed testing and a pilot operational phase by the 31 December 2025 and shall include at least connections between Prague, Brno and Ostrava, with a total optical length of 400 km, 6 Quantum Key Distribution (QKD) segments; implementation of two secondary metropolitan branches based on commercial QKD equipment and two additional ones based on experimental QKD and testing of their application.

The investment shall be completed by 31 December 2025.

Investment 13: Support to R & I in aviation industry

This investment consists of the creation of the necessary infrastructure for a fully digitalised testbed for the aviation industry. It shall include the use of quantum computing technology and shall aim at enabling the use of digital twin modelling and simulations, which shall lead to the development of high accuracy production methods, better data collection and know-how spillovers to other industries.

This investment shall include the completion of the engine core test bed enabling the acquisition of additional experimental aircraft engines equipped with a high number of sensors allowing for the development of new aerospace technologies and a testbed for an experimental aircraft to test the engines in flight. Such a facility shall be available for industry partners in the aeronautics sector including SMEs. The facility and the equipment acquired under this investment shall be used for research and innovation with a primary focus on the development of low-impact options and partly on efficiency increase. The biofuels used for testing shall be in compliance with RED II renewable energy directive[8].

The investment shall be completed by 31 December 2022.

[8] Directive (EU) 2018/2001 of the European Parliament and of the Council of 11 December 2018 on the promotion of the use of energy from renewable sources

D.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
47	Reform 1: Institutional reform of the coordination and support system for digital transformation of economy (incl. RIS 3)	Milestone	Implementation of organisational changes to reform the structure of public bodies overseeing digital transformation of the economy	Setting up of the Committee (and of the related working group) responsible for the coordination of national stakeholders to prepare projects for digital transformation of Czech economy				Q1	2025	The Digital Transformation Committee, including the representation of public and private stakeholders, shall coordinate the implementation of the reforms and investments under component 1.4 and 1.5. This shall also include a special consultative/expert working group overseeing the implementation of the EU Start-up Nations Standards under this component and it shall provide legal analyses, impact studies and expert opinion on the selection of methods of implementation. This milestone shall be considered fulfilled once the Committee and the working group start to work.
48	Reform 2: Joint Strategic Technologies Support and Certification Group with the Strategic Technologies Board	Milestone	Establishment and appointment of certification authorities	Creation of a network of certification authorities for strategic sectors.				Q2	2024	Establishment of certification authorities with testing capacities for certification including laboratories, equipment and know-how to support the development and innovation in strategic sectors.
49	Reform 2: Joint Strategic Technologies Support and Certification Group with the Strategic Technologies Board	Target	Number of companies provided with certification		Number	0	50	Q4	2023	50 companies to be provided with certification by the established network of accredited certification authorities
50	Investment 1: European Centre of Excellence in AI "for Citizens' Safety and Security"	Milestone	Launch of the European Centre of Excellence in Artificial Intelligence for Citizens Safety and Security	Launch of European Centre of Excellence in Artificial Intelligence for Citizens Safety and Security providing services as part of the European network				Q4	2022	European Centre of Excellence in Artificial Intelligence for Citizen Safety and Security is to support research, cooperation and introduction of new applications in the field of artificial intelligence.
51	Investment 2: European Digital	Milestone	Launch of the European Digital	Launch of the CEDMO hub built by the				Q4	2021	The Digital Media Hub as part of the EDMO network shall focus on analysing and combating the spread of fake

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
	Media Observatory Hub (EDMO)		Media Observatory hub for CEE in the Czech Republic (CEDMO)	academic consortium with the Charles University in Prague as a leading partner						information such as misinformation related to COVID or 5G networks.
52	Investment 2: European Digital Media Observatory Hub (EDMO)	Target	Minimum number of statistically relevant panellists involved in the CEDMO Index		Number	0	2000	Q4	2025	CEDMO is to provide monthly research and monitoring activity with the involvement of a statistically relevant sample of at least 2000 persons.
53	Investment 3: Transfer of foreign best practices and know-how for digital transformation, monitoring and research on the socio-economic effects of the crisis (Samuel Neaman Institute)	Target	Establishment of the Czech Samuel Neaman Institute with international outreach including 5 international cooperation agreements in a form of memorandums in order to transfer best practices in the area of digital transformation		Number	0	5	Q4	2024	The Institute is to monitor recent developments and socio-economic impacts of digital transformation based on the memorandum with the Ministry of Industry and Trade. It is to conclude memorandums on cooperation and of transferring know-how to support digital transformation of the economy.
54	Investment 4: SME Management Training Platform for post-COVID-19 Digital Transformation	Target	Launch of SME management training platform and involvement of the management of at least 200 SMEs in reskilling and upskilling activities focusing on digital transformation		Number	0	200	Q4	2024	The platform is to serve as a basis for educating management of SMEs on the opportunities and risks posed by new digital technologies. It is to be a badge based education system. Its content is to be developed in cooperation with stakeholders.
55	Investment 5: European Blockchain Services Infrastructure (EBSI) – DLT bonds for	Milestone	Completion of the use-case EBSI technical implementation and launch of the SME	Launch of SME bonds offer in pilot phase in order to provide financing				Q4	2022	Pilot programme to be launched to enable SMEs to offer bonds based on Distributed Ledger Technology under the regulatory sandbox within the frames of the EBSI

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
	SME financing		pilot phase							
56	Investment 5: European Blockchain Services Infrastructure (EBSI) – DLT bonds for SME financing	Target	Number of SMEs supported following a successful pilot phase through offer of digital bonds on EBSI		Number	0	250	Q4	2023	Pilot programme to be launched to enable SMEs to offer bonds based on Distributed Ledger Technology under the regulatory sandbox within the frames of the EBSI
57	Investment 6: 5G Demonstrative application projects for cities and industrial areas	Target	Development and operation of reference applications for Smart Cities		Number	0	5	Q4	2022	Five reference application as part of the Smart Cities programme to be completed
58	Investment 6: 5G Demonstrative application projects for cities and industrial areas	Target	Expansion of applications of uses cases for Smart Cities and for Industry 4.0		Number	0	45 for Smart Cities; 35 for Industry 4.0	Q4	2025	Expansion of selected demonstrative 5G use-case applications to other location including regions and local municipalities within the frames of Smart Cities and Industry 4.0 programmes
59	Investment 7: Czech Rise-Up programme	Target	Support of projects aiming at innovation in medical and non-medical technological solutions to cope the effects of COVID-19 and with its economic and social consequences		Number	60	300	Q4	2023	Support of businesses in COVID related medical research and in developing projects, and research projects aiming at medical and non-medical technological solutions to cope with the economic and social consequences of the crisis in a form of de minimis grant support in a total value of minimum EUR 23 564 527,53. Award of the contracts to the projects selected under the competitive calls for proposals mentioned in this milestone shall be, in compliance with the 'Do no significant harm' Technical Guidance (2021/C58/01) through the use of an exclusion list and the requirement of compliance with the relevant EU and national environmental legislation.
60	Investment 8: Fostering entrepreneurship and	Target	Number of start-ups supported via innovation hubs and		Number	0	450	Q4	2024	Start-ups and other eligible entities to be provided with mentoring, consultant and advisory services or training to foster entrepreneurship and validation of business plans.

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
	innovative firms		partner organisations of the programme							
61	Investment 9: Pilot co-investment funds for the development of pre/seed investments, strategic technologies and university spin-offs within the framework of European Centres of Excellence	Milestone	Launch of Funds of funds and the investment of the three designated funds (pre-seed, strategic technologies and spin-off funds)	End of the pilot phase after exhaustion of investment capacity from funds provided by the RRF				Q4	2025	Three co-investment funds for existing and new venture-capital are to be launched to support innovative start-ups, strategic technologies and companies with seed/pre-seed investment. The pilot phase should verify the level of demand, targeted risk, absorption and areas of investment, not least the complementarity with other aid instruments. On the basis of the results of the pilot phase, further continuous investment rounds are to be set and further areas for investment shall be identified. The value of investment shall reach minimum amount of EUR 54 983 897,57. Investment policy for the financial instrument shall include selection criteria to ensure compliance with the 'Do no significant harm' Technical Guidance (2021/C58/01) of supported transactions under this measure through the use of sustainability proofing, an exclusion list, and the requirement of compliance with the relevant EU and national environmental legislation.
62	Investment 9: Pilot co-investment funds for the development of pre/seed investments, strategic technologies and university spin-offs within the framework of European Centres of Excellence	Target	Investments in pre-seed and technology start-ups and spin-offs		Number	0	185	Q4	2025	Projects and innovative start-ups to be selected and supported by the investment funds. Investment policy for the financial instrument shall include selection criteria to ensure compliance with the 'Do no significant harm' Technical Guidance (2021/C58/01) of supported transactions under this measure through the use of sustainability proofing, an exclusion list, and the requirement of compliance with the relevant EU and national environmental legislation.
63	Investment 10: Internationalisation of start-ups	Target	Support of start-ups international expansion via consulting, mentoring business advisory services, accelerator programmes		Number	0	100	Q4	2025	Start-ups to be supported via support programmes focusing on international expansion and adaptation to foreign markets. These programmes shall include: mentoring and consulting services, product validation acceleration programmes services related to foreign, best practice sharing, expansion, product / service adaptation.

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
64	Investment 11: Regulatory sandboxes in line with EU priorities	Milestone	Launch of two regulatory sandboxes in fintech and Artificial Intelligence	Set-up of the two sandboxes in the priority regulated areas, such as finance (based on Digital Finance Package) and AI (based on European legal framework for AI)				Q4	2023	Sandboxes in the field of fintech and AI shall be considered to be active and operating when innovative companies are able to submit their applications for testing programmes. The primary focus shall be on projects already under preparation.
65	Investment 11: Regulatory sandboxes in line with EU priorities	Target	Sandbox participants supported by the sandboxes		Number	0	20	Q4	2023	Number of companies within regulated sectors whose project and product has been tested through the sandboxes in the field of fintech and AI. The primary focus shall be on projects already under preparation. Both sandboxes should support at least 10 projects in each programme launched.
66	Investment 12: Building quantum communication infrastructure	Milestone	Completion of construction and pilot operation phase of an optical quantum network	Infrastructure is operational and testing has been documented and approved by the relevant authorities (Ministry of Industry and Trade, Ministry of Defence, National Cyber and Information Security Office (NÚKIB))				Q4	2025	The milestone shall include: the creation of optical connections between Prague, Brno and Ostrava, total optical length of 400 km, 6 Quantum Key Distribution (QKD) segments; implementation of two secondary metropolitan branches based on commercial QKD equipment and two secondary metropolitan branches based on experimental QKD Toolkit; purchase and planning of mobile secondary branches; testing the integration of quantum communications existing telecommunications technologies; and testing of 3 use-cases specific to the military areas.
67	Investment 13: Support to R & I in aviation industry	Milestone	Full operation of at least one testbed based on digital twin technology and digital transformation equipment in the aviation industry	Purchase and operation of the necessary equipment including experimental ones.				Q4	2022	The milestone shall include the completion of the engine core test bed enabling aircraft engine manufacturers to test digital aviation engine pairs; the acquisition of additional experimental aircraft engines equipped with a high number of sensors allowing for the development of new aerospace technologies and a testbed for an experimental aircraft to test the engines in flight. The research activity shall have a primary focus on low-impact options and may include research activity focusing on efficiency increase of the existing 'best in class' technology only if it does not lead to technology lock-in effects or if results of the R&I process are technologically neutral at the level of their application.

E. COMPONENT 1.5: DIGITAL TRANSFORMATION OF ENTERPRISES

This component of the Czech recovery and resilience plan contributes to addressing the challenge of supporting the digitalisation of industry, the use of technologies and the emergence of an interconnected and sustainable national layer of the European digital ecosystem through the Digital innovation Hubs. It shall also support the creation of a Reference Testing and Experimentation Facility. Another objective is to enable support for companies participating in potential Important Projects of Common European Interest (IPCEI), especially in the areas of microelectronics, connectivity, and cloud infrastructure and services, including projects in the field of microprocessors linked to European High-Performance Computing. The component is expected to support the green transition, particularly of small and medium-size enterprises, through digital technologies, in line with the objectives of the European Green Deal.

The component supports addressing country-specific recommendation 3 2020, according to which Czechia shall focus investment on the digital transition, in particular on high-capacity digital infrastructure and technologies, including in the coal regions.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01). In particular, procurement of ICT equipment shall ensure compliance with the relevant EU green public procurement criteria as well as the relevant EU energy and material efficiency requirements and recycling requirements set in accordance with Directive 2009/125/EC, Directive 2009/125/EC, Directive 2011/65/EU and Directive 2021/19/EU.

E.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Creation of a platform for the digitalisation of the economy

The measure aims at putting into operation a platform coordinating the interconnection of all actors in the national digital ecosystem such as the European and national Digital Innovation Hubs, the Centres of Excellence in Artificial Intelligence, the National Competence Centres in High-Performance Computing and Cybersecurity, the European Reference Testing and Experimentation facilities, the innovation centres, and clients of all these centres. It aims to boost the digital transformation, the use of technologies, and the recruitment of experts in digitalisation and new technologies, and make industry and services more resilient to potential further crises.

The reform shall be implemented by 31 December 2025.

Investment 1: Setting up European and national Digital Innovation Hubs

The measure aims at supporting the digital transformation mainly of small and medium-sized enterprises and state administration, introducing new technologies, attracting experts in the field, and ensuring greater resilience of industry and services vis-à-vis potential further crises. Co-funding from the Digital Europe Programme is foreseen.

Six European and national Digital Innovation Hubs shall be set up and put into operation.

The investment shall be implemented by 31 December 2024.

Investment 2: Setting up a European Reference Testing and Experimentation facility

A European Reference Testing and Experimentation facility shall be set up and put into operation. The measure aims at establishing a connection between research sectors (such as

the Centre of Excellence in Artificial Intelligence) and the wider economy (such as the European and national Digital Innovation Hubs) by allowing research centres and small and medium-sized enterprises to test the technologies and applications developed so that they can be used in their operations. Co-funding from the Digital Europe Programme is foreseen.

The investment shall be implemented by31 December 2024.

Investment 3: Direct support for the digital transformation of enterprises

Direct support for the digital transformation (such as artificial intelligence, proces automation, robotics, high-performance computing and cyber-security) shall be provided to 377 enterprises. Two thirds of the funds shall be provided for small and medium-sized enterprises and mid-caps, and one third shall be provided for large enterprises. The measure aims at increasing digital processes particularly in small and medium-sized enterprises, but also in large enterprises(and potentially supporting major innovative large-scale IPCEI projects, in particular in the area of microprocessors and cloud infrastructure and services).

The investment shall be implemented by 31 December 2025.

E.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
68	Reform 1: Creation of Platform for the digitisation of the economy	Milestone	Creation of Platform for the digitisation of the economy	Launch of operation of the platform				Q1	2022	A platform for the digitisation of the economy shall be established and its operation launched. The platform shall coordinate the interconnection of all actors in the national digital ecosystem such as the European and national Digital Innovation Hubs, the Centres of Excellence in Artificial Intelligence, the National Competence Centres in High-Performance Computing and Cybersecurity, the European Reference Testing and Experimentation facilities, the innovation centres, and clients of all these centres. The platform shall operate as one of the working groups of the Digital Transformation Committee to be established as reform 1 under component 1.4.
69	Investment 1: European and national Digital Innovation Hubs	Target	Creation of functional and interconnected European and national Digital Innovation Hubs		Number of European and national Digital Innovation Hubs	0	6	Q4	2024	Six European and national Digital Innovation Hubs shall be established and their operation launched. These Digital Innovation Hubs shall support the digital transformation mainly of SMEs and state administration, introducing new technologies, attracting experts in the field, and ensuring greater resilience of industry and services vis-à-vis potential further crises.
70	Investment 2: European Reference Testing and Experimentation facility	Target	Creation of a European Reference Testing and Experimentation facility		Number of European Reference Testing and Experimentation facilities	0	1	Q2	2023	A European Reference Testing and Experimentation facility shall be established and its operation launched. This facility shall establish a connection between research sectors (such as the Centre of Excellence in Artificial Intelligence) and the wider economy (such as the European and national Digital Innovation Hubs) by allowing research centres and SMEs to test the technologies and applications developed so that they can be used in their operations.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
71	Investment 3: Digital transformation of manufacturing and non-production companies and increase of their resilience	Target	Direct support to enterprises for digital transformation		Number of enterprises	0	377	Q4	2025	377 enterprises shall be digitally transformed. This digital transformation shall increase digital processes particularly in SMEs. Support shall be given to activities such as the introduction of digitalisation in enterprises, including the necessary process analysis, the introduction of digital solutions in areas related to artificial intelligence, process automation, robotics and cybersecurity of online and cyber-physical systems and the introduction of new technologies, the acquisition of new technological devices and equipment, including the necessary infrastructure, interconnection of acquired or existing technologies using state-of-the-art communication channels and protocols (autonomous two-way communication). The total budget executed for this purpose shall amount to at least EUR 180 000 000, including at least EUR 120 000 000 for SMEs and mid-caps and at least EUR 60 000 000 for large enterprises.

F. COMPONENT 1.6: ACCELERATION AND DIGITALISATION OF THE BUILDING PROCESS

This component of the Czech recovery and resilience plan contributes to addressing the challenge of the currently lengthy and administratively heavy procedures for obtaining construction permits.

The aim of the component is to simplify and streamline the process of granting construction permits. The significant acceleration of the construction permissions process is expected to considerably improve the business and investment environment in Czechia. The conditions for proper implementation of the digitalisation of building management and spatial planning shall also be addressed. Full streamlining of parallel processes into a single procedure, as well as the institutional reform, as foreseen in the draft Construction Code, may shorten the average issuance time of a permit from the current 5,4 years to an average of 1,25 years. The digitalisation of the process alone is expected to reduce the average time for the obtention of a construction licence by at least 2 years.

The component supports addressing country-specific recommendation 3 2019, according to which Czechia shall reduce the administrative burden on investment and support more quality-based competition in public procurement, and country-specific recommendation 3 2020, according to which Czechia shall support small and medium-sized enterprises by making greater use of financial instruments to ensure liquidity support, reducing the administrative burden and improving eGovernment.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01).

F.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Implementation of the new construction law and zoning law into practice

The reform consists of institutional and procedural changes and aims to bring a high degree of digitalisation to the construction permissions process. The new Construction Act shall enter into force by 30 September 2021. It shall bring the decentralised structure of the building authorities and their operating conditions under the responsibility of the State.

The reform shall speed up building procedures, make authorisation procedures more efficient and place them under the responsibility of a single authority – the Supreme Construction Office. Relevant actors shall receive adequate training to understand the new processes, be able to use the new information systems and work efficiently in the new organisational setting. The existing data shall be migrated to a new platform and the functioning of the existing individual information systems shall be ensured until the central information system (‘AIS’) is built. This includes the provision of the necessary IT equipment for the functioning of the Supreme Construction Office and local building offices.

This reform shall be implemented by 30 September 2023 and its impact shall be measured by 31 December 2025.

Investment 1: Central information system (‘AIS’)

The investment shall create a process management information system to be used by civil servants of the authorities involved in the construction permissions process. The system shall digitalise building management processes in such a way as to ensure the transparency, efficiency and effectiveness of the processes laid down by the legislation implemented through reform 1 of this component. The necessary hardware and software licences shall be

purchased, together with technical support, the applications covering the necessary functional and non-functional requirements, proper system testing, servicing, operation and development of the application.

This investment shall be implemented by 30 September 2023.

Investment 2: Development and use of the public administration's data in spatial planning

The objective of the investment is to implement a central database of spatial analytical documentation in the context of the spatial planning information system, which shall be used to provide data and services for town and country planning authorities, other public sector users, and providers of spatial planning documents. Data shall be provided in the form of open data. The centralisation shall enable the efficient sharing of data with other public administration systems (notably the register of territorial identification, addresses and real estate).

This investment shall be implemented by 31 December 2024.

Investment 3: Reaping the full benefits of digitising building control

The investment shall create a series of information systems, standards and methodologies, necessary for the full digitalisation of the construction permissions process and spatial planning.

Three IT systems shall be put in place to allow for interlinking the key databases and facilitate the construction permit process and spatial planning:

- A system linking technical norms with implementing regulations, which shall be integrated into the Building Developer Portal and made accessible to the public.
- A system for structured requirements about buildings and procedures, validation and control of the permissions process.
- A system for management of data standards of buildings.

This investment shall be implemented by 31 December 2025.

F.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
72	Reform 1: Implementation of the new construction law and zoning law into practice	Milestone	Entry into force of the new construction law	Provision in the law indicating the entry into force of the new construction law				Q3	2021	The new construction law that brings acceleration of the building permit process, digitalisation of the process, and a decrease in the number of regulatory authorities shall enter into force.
73	Reform 1: Implementation of the new construction law and zoning law into practice	Milestone	Start of the activity of the Supreme Construction Office	The Supreme Construction Office shall begin its functions. It shall have a legal existence and physical headquarters.				Q3	2023	Creation of new state structure of the Supreme Construction Office, including internal units. Securing financial and IT staffing as well as training of personnel, allowing for proper functioning of the new office.
74	Reform 1: Implementation of the new construction law and zoning law into practice	Target	Shortening of the construction permit process by at least two years		Years	5,5	3,5	Q4	2025	The average duration of the construction permissions process shall be shortened by at least two years, from 5.5 years to 3.5 years or less, to be confirmed by the national statistical office, based on a new statistic for the average length of the permissions process in 2024-2025.
75	Investment 1: Creation of a new central information system (“AIS”)	Milestone	Central Information System fully operational	Deployment of the system, start of use by the building offices.				Q3	2023	Creation of a new central information system to be used by civil servants of the authorities involved in the construction permissions process.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
76	Investment 2: Development and use of public administration data in spatial planning	Milestone	Creation of a standardised database of spatial analytical documentation	Standardised database of Spatial Analytical documentation fully operational and used by public authorities				Q4	2024	Transfer of database of spatial analytical documentation and validation of the protocol. The validation tool shall be included inside the National Geoportal for Area Planning, where spatial analytical documentation shall be uploaded.
77	Investment 3: Reaping the Full Benefits of Digitising Building Control	Milestone	IT systems supporting digitalisation of the building permit process fully operational	IT systems fully operational, including end-user deployment.				Q4	2024	Three IT systems shall be put in operation which allow for interlinking all databases used in the construction permissions process: • a system linking technical norms with implementing regulations, It shall be integrated into the Building Developer Portal and made accessible to the public. • a system for structured requirements about buildings and procedures, validation and control of permit process including ontology • a system for management of data standards of buildings.

G. COMPONENT 2.1: SUSTAINABLE TRANSPORT

This component of the Czech recovery and resilience plan addresses the challenges of digitalising transport, electro-mobility in rail transport, increasing the share of rail transport in freight and passenger transport, boosting the importance of active mobility in cities, improving traffic safety, and reducing the impact of traffic on the environment and public health. The component benefits from synergies with component 2.4, which addresses the issue of alternative propulsion in road transport and urban bus transport.

The component supports addressing the country-specific recommendation 3 2019, according to which Czechia shall focus investment-related economic policy on transport, notably on its sustainability, digital infrastructure, and low carbon and energy transition, including energy efficiency, taking into account regional disparities (Country Specific Recommendation 3, 2019), and Country Specific Recommendation 3 2020, according to which Czechia shall aim at investments in the green and digital transition, in particular on high-capacity digital infrastructure and technologies, clean and efficient production and use of energy, and sustainable transport infrastructure, including in the coal regions (Country Specific Recommendation 3, 2020).

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01). In particular, at least 70 % of construction and demolition waste shall be prepared for reuse or recycling.

G.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Development of alternatives to energy- and spatial-intensive road transport

The measure aims at promoting greater use of more energy-efficient modes of transport for regular and heavy transport flows. This shall be achieved through the following measures:

- Individual cities above 40 000 inhabitants shall carry out the Sustainable Urban Mobility Plan (SUMP) process. All SUMPs shall be approved by the city representative bodies by 30 June 2023. Where a simplified SUMP already exists, a new version shall be prepared based on the Urban and Active Mobility Concept (UAMC) approved by the government. It shall contain all the required parts by the UAMC and shall be based on the required analyses by the UAMC such as traffic modelling and surveys.

- The concept of freight transport, which will set the conditions for increasing the share of rail freight transport in the total volume of transport, for the period 2024-2030, shall be approved by a resolution of the Government of the Czech Republic by 31 December 2023. The concept shall focus on supporting multimodal transport, improving freight transport services and reducing the impact of freight transport on the environment, public health and global climate change.

- All operators of public transport (state, regions and cities operating public transport) shall approve a five-year transport service plan by 31 December 2023, based on the government-approved Public Transport Concept.

- The impact of the reform on modal share of public transport and modal share of cycling shall be measured by 31 December 2025.

Investment 1: Application of modern technologies to railway infrastructure

The investment shall contribute to the digitalisation of rail transport in order to improve traffic safety and the quality of the services provided, optimise capacity of the railway infrastructure and ensure international interoperability. Investment 1 shall be achieved through the following measures:

- Definition of a set of projects of 41 km of lines covered by Global System for Mobile Communications – Railway (GSM-R), 20 newly installed or more reliably powered base transceiver stations (BTS) and implementation of new technologies and equipment for railway traffic management by 30 June 2022.
- Completion of two projects from the predefined set of projects in the bullet above by 30 June 2024.
- Completion of six additional projects from the predefined set of projects in the bullet above, thus completing overall 41 km of lines covered by GSM-R, 20 newly installed or more reliably powered BTS and implementation of new technologies and equipment for railway traffic management by 31 December 2024.

Investment 2: Electrification of railways

The measure aims at increasing the share of non-fossil fuel transport through the electrification of lines and the provision of traction power at substations. The investment shall also create the conditions for energy savings in the transport system. This shall be achieved through the following measures:

- Definition of a set of projects of 39,7 km of electrified lines and four traction feeder stations with increased power or newly built ones by 30 June 2022.
- Completion of two projects from the predefined set of projects in the bullet above by 30 June 2023.
- Completion of six additional projects from the predefined set of projects in the bullet above, thus completing overall 39,7 km of electrified lines and four traction feeder stations with increased power or newly built ones by 30 June 2024.

Investment 3: Support for railway infrastructure

The measure aims at protecting the environment and climate by contributing to increasing the share of rail transport in freight and passenger transport and improving the energy efficiency of railway stations. This investment shall focus on rail infrastructure development projects, taking into account, inter alia, gender gaps and adequate access to services for disadvantaged and vulnerable persons. Projects shall focus on network sections important for suburban transport and projects to upgrade railway hubs and station buildings within multimodal passenger terminals. In addition, the heating of station buildings shall be supported. This shall be achieved through the following measures:

- Definition of a set of projects of 121,88 km of modernised lines, nine modernised railway stations with reconstructed tracks and safe, barrier-free accessible platforms, and over 35 station buildings with reduced energy intensity to achieve, on average, at least a 30% reduction of direct and indirect greenhouse gas emissions compared to the ex-ante emissions, and increased comfort and better services for passengers by 30 June 2022.

- Completion of 26 projects from the predefined set of projects in the bullet above by 31 December 2022.
- Completion of additional 30 projects from the predefined set of projects in the bullet above, thus completing overall 121,88 km of modernised lines, nine modernised railway stations with reconstructed tracks and safe, barrier-free accessible platforms, and over 39 station buildings with reduced energy intensity to achieve, on average, at least a 30% reduction of direct and indirect greenhouse gas emissions compared to the ex-ante emissions, and increased comfort and better services for passengers by 31 December 2023.

Investment 4: Road and rail transport safety

The measure aims at improving traffic safety by taking concrete safety measures at railway crossings, and improving the condition of bridges and tunnel structures. In cities and agglomerations, investments shall be made to reduce the share of individual car journeys and increase the share of public transport and active modes of transport such as pedestrian and cycling. Building cycle paths and pedestrian barrier-free routes is also part of the investment, in order to improve the safety of vulnerable traffic participants as part of the promotion of active mobility, especially in cities. This shall be achieved through the following measures:

- Completion of projects with 45 level crossings with increased safety (i.e. with newly installed or modernised flashlight warning system or mechanical safety installation), 25 km of built cycle paths, sidewalks and barrier-free routes, and 3 modernised railway bridges or tunnels by 30 June 2022.
- Completion of projects involving 115 additional level crossings with an increased safety (i.e. with newly installed or modernised flashlight warning system or mechanical safety installation), 24 additional km of built cycle paths, sidewalks and barrier-free routes, and 3 additional modernised railway bridges or tunnels by 31 December 2022.
- Completion of projects involving 131 additional level crossings with an increased safety (i.e. with newly installed or modernised flashlight warning system or mechanical safety installation) and 1 additional modernised railway bridge or tunnel by 31 December 2024.
- Completion of projects involving 36 additional km of built cycle paths, sidewalks and barrier-free routes and 1 additional modernised railway bridge or tunnel by 31 December 2023.

G.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
78	Reform 1: Creating alternatives to energy and space-intensive road transport	Milestone	Approval of the mobility plans	Approval of the plan by the city representative bodies				Q2	2023	All statutory cities of the Czech Republic (cities with a population of over 40 000) shall have a Sustainable Urban Mobility Plan (SUMP) approved by the city representative bodies, based on the Urban and Active Mobility Concept approved by the government.
79	Reform 1: Creating alternatives to energy and space-intensive road transport	Milestone	Approval and entry into force of the new Freight Transport Concept	Approval by the government				Q4	2023	The government shall approve the new Freight Transport Concept, which will set the conditions for increasing the share of rail freight transport in the total volume of transport for the period 2024-2030. The concept will focus on supporting multimodal transport, improving freight transport services and reducing the impact of freight transport on the environment, public health and global climate change.
80	Reform 1: Creating alternatives to energy and space-intensive road transport	Milestone	Approval of the transport service plans.	Approval by the operators of public transport				Q4	2023	All operators of public transport (state, regions and cities operating public transport) shall approve a five-year transport service plan, based on the government-approved Public Transport Concept.
81	Reform 1: Creating alternatives to energy and space-intensive road transport	Target	Reaching an increased modal share of public transport in CZ cities bigger than 250 000 inhabitants and in CZ cities bigger than 75		% (modal share of public transport)	40 % in cities bigger than 250 000 inhabitants / 28 % in cities bigger	45 % in cities bigger than 250 000 inhabitants / 35 % in cities bigger	Q4	2025	Modal share of public transport in CZ cities bigger than 250 000 inhabitants and in CZ cities bigger than 75 000 inhabitants shall increase by the % clarified in the goal column.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
			000 inhabitants			than 75 000 inhabitants	than 75000 inhabitants			
82	Reform 1: Creating alternatives to energy and space-intensive road transport	Target	Reaching an increased modal share of cycling in CZ cities bigger than 250 000 inhabitants and in CZ cities bigger than 75 000 inhabitants		% (modal share of cycling)	1 % in cities bigger than 250 000 inhabitants / 5 % in cities bigger than 75 000 inhabitants	5 % in cities bigger than 250 000 inhabitants / 10 % cities bigger than 250 000 inhabitants	Q4	2025	Modal share of cycling in CZ cities bigger than 250 000 inhabitants and in CZ cities bigger than 75 000 inhabitants shall increase by the % clarified in the goal column.
83	Investment 1: New technologies and digitisation on railway infrastructure	Milestone	Definition of the set of projects for Investment 1	Definition of the set of projects by the Ministry of Transport				Q2	2022	Definition of the set of projects of 41 km of lines covered by Global System for Mobile Communications – Railway (GSM-R), 20 newly installed or more reliably powered base transceiver stations (BTS) and implementation of new technologies and equipment for railway traffic management.
84	Investment 1: New technologies and digitisation on railway infrastructure	Target	Completion of two projects from a predefined set of projects.		Number of projects	0	2	Q2	2024	Completion of two projects from the predefined set of projects of 41 km of lines covered by Global System for Mobile Communications – Railway (GSM-R), 20 newly installed or more reliably powered base transceiver stations (BTS) and implementation of new technologies and equipment for railway traffic management.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
85	Investment 1: New technologies and digitisation on railway infrastructure	Target	Completion of six additional projects from a predefined set of projects.		Number of projects	2	8	Q4	2024	Completion of six additional projects (8 in total) from the predefined set of projects of 41 km of lines covered by Global System for Mobile Communications – Railway (GSM-R), 20 newly installed or more reliably powered base transceiver stations (BTS) and implementation of new technologies and equipment for railway traffic management.
86	Investment 2: Electrification of railways	Milestone	Definition of the set of projects for Investment 2	Definition of the set of projects by the Ministry of Transport				Q2	2022	Definition of a set of projects comprising 39,7 km of electrified lines and 4 traction feeder stations with increased power or newly built.
87	Investment 2: Electrification of railways	Target	Completion of two projects from a predefined set of projects		Number of projects	0	2	Q2	2023	Completion of two projects from the predefined set of projects comprising 39,7 km of electrified lines and 4 traction feeder stations with increased power or newly built.
88	Investment 2: Electrification of railways	Target	Completion of six additional projects from a predefined set of projects		Number of projects	2	8	Q2	2024	Completion of five additional projects (8 in total) from the predefined set of projects comprising 39,7 km of electrified lines and 4 traction feeder stations with increased power or newly built.
89	Investment 3: Improving the environment (railway infrastructure support)	Milestone	Definition of the set of projects for Investment 3	Definition of the set of projects by the Ministry of Transport				Q2	2022	Definition of a set of projects comprising about 121,88 km of modernised lines,9 modernised railway stations with reconstructed track and safely and barrier-free accessible platforms and 35 station buildings with reduced energy intensity, increased comfort and better services for passengers.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
90	Investment 3: Improving the environment (railway infrastructure support)	Target	Completion of 26 projects from a predefined set of projects		Number of projects	0	26	Q4	2022	Completion of 26 projects from the predefined set of projects comprising about 121,88 km of modernised lines, 9 modernised railway stations with reconstructed track and safely and barrier-free accessible platforms and 35 station buildings with reduced energy intensity, increased comfort and better services for passengers.
91	Investment 3: Improving the environment (railway infrastructure support)	Target	Completion of 30 additional projects from a predefined set of projects		Number of projects	26	56	Q4	2023	Completion of 30 additional projects from the predefined set of projects comprising 121,88 km of lines modernised, operationally improved or more resistant to natural influences, about 9 modernised railway stations with reconstructed track and safely and barrier-free accessible platforms and 39 station buildings with reduced energy intensity, increased comfort and better services for passengers.
92	Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of level crossings with an increased safety		Number of level crossings with an increased safety	0	45	Q2	2022	Level crossings with an increased protection level, with newly installed or modernised flashlight warning system or mechanical safety installation.
93	Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of built cycle paths, sidewalks and barrier-free routes		Length of built cycle paths, sidewalks, barrier-free routes - km	0	25	Q2	2022	Length of built cycle path / sidewalk / barrier-free routes.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
94	Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of modernised railway bridges or tunnels		Number of modernised railway artificial structures (bridges / tunnels)	0	3	Q2	2022	Modernised railway artificial structure for the operational phase.
95	Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of modernised railway bridges or tunnels		Number of modernised railway artificial structures (bridges / tunnels)	3	6	Q4	2022	Modernised railway artificial structure for the operational phase.
96	Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of level crossings with an increased safety		Number of level crossings with an increased safety	45	160	Q4	2022	Level crossings with an increased protection level, with newly installed or modernised flashlight warning system or mechanical safety installation.
97	Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of built cycle paths, sidewalks and barrier-free routes		Length of built cycle paths, sidewalks, barrier-free routes - km	25	49	Q4	2022	Length of built cycle path / sidewalk / barrier-free route.
98	Investment 4: Road and rail safety (railway crossings, bridges	Target	Completion of level crossings with an		Number of level crossings with an	160	291	Q4	2024	Level crossings with an increased protection level, with newly installed or modernised flashlight warning system or mechanical safety installation.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
	and tunnels, cycle paths and barrier-free routes)		increased safety		increased safety					
99	Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of modernised railway bridges or tunnels		Number of modernised railway artificial structures (bridges / tunnels)	6	7	Q2	2023	Modernised railway artificial structure for the operational phase.
100	Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of built cycle paths, sidewalks and barrier-free routes		Length of built cycle paths, sidewalks, barrier-free routes - km	49	85	Q4	2023	Length of built cycle path / sidewalk / barrier-free routes.
101	Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of modernised railway bridges or tunnels		Number of modernised railway artificial structures (bridges / tunnels)	7	8	Q4	2023	Modernised railway artificial structure for the operational phase.

H. COMPONENT 2.2: REDUCING ENERGY CONSUMPTION IN THE PUBLIC SECTOR

This component of the Czech recovery and resilience plan addresses the challenge of energy efficiency in the public sector by means of renovation of state and public buildings and the modernisation of public lighting.

The component reflects Czechia's commitments to improve energy efficiency of the national economy by 2030. It aims to reduce final energy consumption in the relevant state and public buildings, to increase the number of high-quality renovations in the public sector and to reduce the final energy consumption of public lighting.

The component supports addressing the country specific recommendation on low carbon and energy transition, including energy efficiency (country specific recommendation 3 2019) and on clean and efficient production and use of energy (country specific recommendation 3 2020).

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01). In particular, when improving the energy performance of state and public buildings, at least 70 % of construction and demolition waste shall be prepared for reuse or recycling.

H.1. Description of the reforms and investments for non-repayable financial support

Investment 1: Improving the energy performance of state buildings

This investment aims at reducing the final energy consumption in the buildings of the state administration that do not meet the minimum energy performance requirements in the long term and at increasing the number of high-quality and moderately deep or deep renovations. Only projects that achieve, on average, a reduction of primary energy consumption of at least 30 % or a reduction in CO2 emissions of 30 % shall be financed.

The investment aims at supporting of up to 100 building renovation projects including insulation of a buildings, exchange and renovation of windows and doors, installation of systems based on renewable energy sources or implementation of improvements of the indoor environment measures having a demonstrable impact on the energy performance of the buildings.

75 % of projects shall be contracted by 31 December 2023.

In order to better prepare this investment, the Ministry of Industry and Trade shall adopt and publish a model contract for the Energy Performance Contracting method services with a guarantee by 31 December 2021. It shall aim at promoting the implementation of projects with an emphasis on maximising the yield of energy savings compared to the funds spent.

The implementation of the investment shall be completed by 31 March 2026.

Investment 2: Improving the energy efficiency of public lighting systems

This investment aims at enabling the renovation of public lighting across different municipalities in the Czech Republic and at enabling these renovations to be linked to other smart elements such as supporting the development of electromobility.

Only projects that achieve, on average, a reduction of primary energy consumption by at least 30 % or a reduction in CO2 emissions of 30 % shall be financed.

The investment includes supporting up to 2 000 projects of renovation of public lightning systems across different municipalities in Czechia, 80 % of which shall be contracted by 31 December 2024. The investment shall include renewal of lighting systems and the acquisition or optimisation of the management system.

In order to better prepare this investment, a programme documentation shall be adopted and published by the Ministry of Industry and Trade by 31 December 2021. It shall establish the timetable and the conditions for support of the measures to renovate public lightning systems, including the smart elements.

The implementation of the investment shall be completed by 31 March 2026.

Investment 3: Improving the energy performance of public buildings

This investment aims at reducing final energy consumption in the public buildings that do not meet the minimum energy performance requirements in the long term, and at increasing the number of high-quality and moderately deep or deep renovations. Only projects that achieve, on average, a reduction of primary energy consumption by at least 30 % or a reduction in CO2 emissions of 30 % shall be financed.

The investment aims at supporting up to 400 building renovation projects including insulation of a buildings, exchange and renovation of windows and doors, installation of systems based on renewable energy sources or implementation of improvements of the indoor environment measures having a demonstrable impact on the energy performance of the buildings.

75 % of projects shall be contracted by 31 December 2023.

The implementation of the investment shall be completed by 31 March 2026.

H.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
102	Investment 1: Improving the energy performance of state buildings	Milestone	Adoption of the model contract by the Ministry of Industry and Trade for the Energy Performance Contracting method services with a guarantee	Publication of the model contract on the Ministry's website				Q4	2021	A model contract for the Energy Performance Contracting method services with a guarantee is adopted by the Ministry of Industry and Trade in order to promote the implementation of projects with an emphasis on maximizing the yield of energy savings compared to the funds spent. The model contract shall be published on the Ministry's website.
103	Investment 1: Improving the energy performance of state buildings	Target	Award of 75 % of all public contracts for building renovation projects achieving at least 30% primary energy savings		Percentage	0	75	Q4	2023	In total at least 100 building renovation projects shall be supported under this measure. The target shall be achieved upon contracting 75% of them. Projects shall be submitted to the MIT within continuous call and evaluated based on the established criteria, following a transparent selection procedure. Only projects that achieve, on average, a reduction in primary energy consumption of at least 30 % or a reduction in CO2 emissions of 30 % shall be chosen for implementation. The 75 % target refers to projects with a grant agreement signed. Investments into boiler replacements including those with natural gas as an energy source shall be limited to maximum 20 % of the overall allocation.
104	Investment 1: Improving the energy performance of state buildings	Target	Reduction of energy consumption		Energy savings in tera joules per year	0	216	Q1	2026	The target shall be achieved upon reducing energy consumption in state buildings by 216 TJ/per year by 31 March 2026 as an outcome of the renovation of buildings, which shall be demonstrated through energy performance certificates. Energy consumption shall be reduced in comparison to the business-as-usual scenario (that is the absence of support under Regulation (EU) 2021/241). Amount

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
										of saved energy is to be determined by measuring and/or estimating consumption before and after implementation of an energy efficiency improvement measure, whilst ensuring normalisation for external conditions that affect energy consumption.
105	Investment 2: Improving the energy performance of public lighting systems	Milestone	Adoption of programme documentation by the Ministry of Industry and Trade regarding measures to renovate public lightning systems	Publication of the programme documentation on the Ministry's website				Q4	2021	Programme documentation is prepared by the Ministry of Industry and Trade and published on the Ministry's website. It shall establish the timetable and the conditions for support of the measures to renovate public lighting systems, including the smart elements, in view of the objective of achieving at least 30% primary energy savings.
106	Investment 2: Improving the energy performance of public lighting systems	Target	Award of 80 % of all public contracts for renovation of public lightning systems achieving at least 30 % primary energy savings		Percentage	0	80	Q4	2024	In total at least 2000 projects of renovation of public lightning systems shall be supported under this measure. The target shall be achieved upon contracting 80 % of them (namely 1600) by 31 December 2024. Projects shall be evaluated and selected every year, based on the established criteria, following a transparent selection procedure. Only projects that achieve, on average, a reduction in primary energy consumption of at least 30 % or a reduction in CO2 emissions of 30% shall be chosen for implementation. The 80 % target refers to projects with a grant agreement signed.
107	Investment 2: Improving the energy performance of public lighting systems	Target	Reduction of energy consumption		Energy savings in tera joules per year	0	286	Q1	2026	The target shall be achieved upon reducing energy consumption by 286 TJ/per year by 31 March 2026 as an outcome of the reconstruction of public lighting, which shall be demonstrated through energy performance certificates. Energy consumption shall be reduced in comparison to the business-as-usual scenario (that is the absence of support under Regulation (EU) 2021/241). Amount of saved energy is

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
										to be determined by measuring and/or estimating consumption before and after implementation of an energy efficiency improvement measure, whilst ensuring normalisation for external conditions that affect energy consumption.
108	Investment 3: Improving the energy performance of public buildings	Target	Award of 75 % of all public contracts for building renovation projects achieving at least 30 % primary energy savings		Percentage	0	75	Q4	2023	In total at least 400 building renovation projects shall be supported under this measure. The target shall be achieved upon contracting 75 % of them. Projects shall be submitted to the MIT within continuous call and evaluated based on the established criteria, following a transparent selection procedure. Only projects that achieve, on average, a reduction in primary energy consumption of at least 30 % or a reduction in CO2 emissions of 30% shall be chosen for implementation. The 75 % target refers to projects with a grant agreement signed. Investments into boiler replacements including those with natural gas as an energy source shall be limited to maximum 20 % of the overall allocation.
109	Investment 3: Improving the energy performance of public buildings	Target	Reduction of energy consumption		Energy savings in tera joules per year	0	390	Q1	2026	The target shall be achieved upon reducing energy consumption in state buildings by 390 TJ /per yearby 31 March 2026, as an outcome of the renovation of buildings, which shall be demonstrated through energy performance certificates. Energy consumption shall be reduced in comparison to the business-as-usual scenario (that is the absence of support under Regulation (EU) 2021/241). Amount of saved energy is to be determined by measuring and/or estimating consumption before and after implementation of an energy efficiency improvement measure, whilst ensuring normalisation for external conditions that affect energy consumption.

I. COMPONENT 2.3: TRANSITION TO CLEANER ENERGY SOURCES

This component of the Czech recovery and resilience plan contributes to addressing the challenge of moving from fossil fuels to low-emission and zero-emission energy sources such as photovoltaic energy. It aims at reducing the emission intensity of the Czech economy and emissions of pollutants, as well as at the modernisation of the distribution network of heat energy, in particular through the replacement of steam by hot water, leading to savings in primary energy sources.

The reforms and the investments support addressing country-specific recommendation 3 2019, according to which Czechia shall focus investment-related economic policy on low carbon and energy transition, including energy efficiency, taking into account regional disparities and country-specific recommendation 3 2020, according to which Czechia shall focus investment on the green and digital transition, in particular on clean and efficient production and use of energy, including in the coal regions.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the recovery and resilience plan in accordance with the DNSH Technical Guidance (2021/C58/01).

I.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Preparation of an assessment of decarbonisation of district heating in Czechia

This measure aims at decarbonising district heating, in particular by increasing energy efficiency, switching from coal combustion to renewable energy sources, the combustion of natural gas, biomass and waste, and decreasing greenhouse gas emissions and pollutants.

An assessment of the path towards decarbonisation of district heating in Czechia shall be carried out and published. This assessment shall guide the investments financed under this component of the Czech recovery and resilience plan.

The reform shall be implemented by 30 June 2022.

Reform 2: Preparation of an assessment of the trajectories of sustainable use of bioenergy and supply of biomass in Czechia and its impacts on the Land Use, Land-Use Change and Forestry sinks and biodiversity as well as impact on air quality for period 2020-2030

This measure aims at promoting biomass investment based on biomass waste and residues that can be extracted in a sustainable manner, with accompanying emission-reducing measures.

An assessment of the trajectories of sustainable use of bioenergy and supply of biomass in Czechia and its impacts on Land Use, Land-Use Change and Forestry sinks and biodiversity as well as its impact on air quality for the period 2020-2030 shall be published. This assessment shall guide bioenergy investments financed under components 2.2, 2.3 and 2.5 of the Czech recovery and resilience plan.

The reform shall be implemented by 31 December 2022.

Investment 1: Increasing installed capacity of sources of photovoltaic energy

This measure aims at replacing at least a part of the coal-fired energy sources by sources of photovoltaic energy.

New capacity of sources of photovoltaic energy of 270 MWp shall be installed and put into operation. Projects shall include the construction of photovoltaic power plants on the roofs of companies' buildings including shelters (such as shelters for cars, construction machines or storage of material) as well as accumulation of energy aiming at optimizing the generation of electricity.

This investment shall be implemented by 31 March 2026.

Investment 2: Achieving primary energy savings resulting from the modernization of heat distribution

This measure aims at reducing coal combustion for heat production (and related electricity generation) by 2030, in compliance with the adopted assessment of decarbonisation of district heating in Czechia under reform 1 of this component, in particular by making the district heating highly efficient and decreasing greenhouse gas emissions and pollutants through the replacement of steam-based distribution networks by hot water distribution networks.

It is expected that this measure does not do significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measure and the mitigating steps set out in the recovery and resilience plan in accordance with the DNSH Technical Guidance (2021/C58/01). In particular, refurbishment of the heat and power generation facility shall start within three years of the modernisation of the network, in order to comply with the definition of 'efficient district heating and cooling' in Article 2(41) of the Directive 2012/27/EU ("a district heating or cooling system using at least 50 % renewable energy, 50 % waste heat, 75 % cogenerated heat or 50 % of a combination of such energy and heat"). It shall be ensured that these heat generation facilities meet the requirements of the 'Do no significant harm' Technical Guidance (2021/C58/01) and not use solid fossil fuels as a heat source, except those compliant with the criteria for natural gas-based heat generation specified in Annex III of the 'Do no significant harm' Technical Guidance.

In case biomass is utilised as a fuel source, the investment shall be in line with the sustainability and the greenhouse gas saving criteria as set out in Article 29 of Directive 2018/2001 on the promotion of the use of energy from renewable sources ('the Renewable Energy Directive', 'RED II'). Only biomass waste and residues that can be extracted in a sustainable manner shall be used and the investment shall be accompanied by emission-reducing measures.

Compliance with the relevant EU and national environmental legislation shall be ensured so that emissions are within or lower than the emission levels associated with the Best Available Techniques Conclusions limits (under the Industrial Emission Directive).

The investment shall be implemented through the following measures:

- By 30 June 2024, before the network investment is completed, Czechia shall provide a concrete plan for investment in heat and power generation facilities, including contractual obligations taken up by the Czech government to commission the relevant work.
- Achieving primary energy savings of 245 327 GJ resulting from the modernization of heat distribution networks by 31 March 2026.

I.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
110	Reform 1: Modernisation of distribution of heat in district heating systems	Milestone	Assessment of decarbonisation of district heating in Czechia	Publication of the assessment				Q3	2022	Assessment of the path towards decarbonisation of district heating in Czechia compliant with EU legal requirements including the requirements contained in the Guidance 'Do no significant harm' Technical Guidance (2021/C58/01) shall be carried out and published by the Ministry of Industry and Trade. This assessment shall guide investments financed under this component of the Czech recovery and resilience plan as well as investment in the field of decarbonisation of district heating financed by other EU funds or national sources in full compliance with the legal requirements including on do not significant harm.
111	Reform 2: Modernisation of distribution of heat in district heating systems	Milestone	Assessment of the trajectories of sustainable supply of biomass in Czechia	Publication of the assessment				Q4	2022	Assessment of the trajectories of sustainable use of bioenergy and supply of biomass in Czechia and its impacts on the Land Use, Land-Use Change and Forestry sinks and biodiversity as well as impact on air quality for period 2020-2030, compliant with EU legal requirements including the requirements included in the Guidance 'Do no significant harm' Technical Guidance (2021/C58/01), shall be carried out and published by the Ministry of Environment in cooperation with the Ministry of Industry and Trade and the Ministry of Agriculture. This assessment shall guide bioenergy investments financed under components 2.2, 2.3 and 2.5 of the Czech recovery and resilience plan as well as bioenergy investment in the fields of energy, transport, environment, climate change, forestry or agriculture financed by other EU funds or national sources in full compliance with the legal requirements including on do not significant harm.
112	Investment 1: Development of new photovoltaic energy	Target	Increase of installed capacity of FVE sources		MWp	0	270	Q1	2026	New capacity of photovoltaic energy sources of 270 MWp shall be installed and put into operation.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
	sources									
113	Investment 2: Modernisation of distribution of heat in district heating systems	Milestone	Plan for investment in heat/power generation facilities	Submission to the Commission				Q2	2024	In accordance with the 'Do no significant harm' Technical Guidance (2021/C58/01), Czechia shall provide, before the network investment is completed, a concrete plan for investment in heat/power generation facilities compliant with the Guidance 'Do no significant harm' Technical Guidance (2021/C58/01), in particular the criteria for natural gas-based heat and power set out in Annex III of the Guidance, in case natural gas shall be utilised, including through contractual obligations taken up by the Czech government to commission the relevant work. Refurbishment of the heat and power generation facility shall start within three years of the modernisation of the network, in order to comply with the definition of 'efficient district heating and cooling' in Article 2(41) of the Directive 2012/27/EU ("a district heating or cooling system using at least 50 % renewable energy, 50 % waste heat, 75 % cogenerated heat or 50 % of a combination of such energy and heat").
114	Investment 2: Modernisation of distribution of heat in district heating systems	Target	Primary energy savings resulting from the modernisation of heat distribution		Primary energy savings in gigajoules	0	245 327	Q1	2026	Primary energy savings of 245 327 GJ shall be achieved.

J. COMPONENT 2.4: CLEAN MOBILITY

This component of the Czech recovery and resilience plan aims at supporting the objectives of the Updated National Action Plan for Clean Mobility of Czech Republic based on the Directive 2014/94/EU. One of the main strategic goals of the Action Plan is to achieve the operation of between 220 000 and 500 000 electric vehicles in Czechia by 2030. This objective is to be reached by stimulating demand through subsidies, favouring electric vehicles on the road, supporting the construction of charging infrastructures and providing information to the public. In addition to the subsidy programme for businesses, the same initiative has been announced for municipalities, regions, and other public entities.

The component supports addressing country-specific recommendation 3, 2019, according to which Czechia shall focus investment on the green and digital transition, in particular on high-capacity digital infrastructure and technologies, clean and efficient production and use of energy, and sustainable transport infrastructure, including in the coal regions, and country-specific recommendation 3, 2020, according to which Czechia shall focus investment-related economic policy on transport, notably on its sustainability, digital infrastructure, and low carbon and energy transition, including energy efficiency, taking into account regional disparities.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the recovery and resilience plan in accordance with the DNSH Technical Guidance (2021/C58/01).

J.1. Description of the reforms and investments for non-repayable financial support

Investment 1: Building infrastructure for public transport in the city of Prague

Complemented by Investment 6 under this component, the objective of this measure is to renew and decarbonise the public transport fleet in Prague. Supporting zero emission electric buses and trolleybus fleets is expected to contribute to the decarbonisation efforts of both the transport and the energy sector. In addition, it is expected to improve the air quality and noise levels in the urban environment. This investment shall aim at increasing the number of charging points for electro buses and battery trolleybuses in Prague by 52 units and at increasing the section of dynamic charging roads (electrification of road) for battery trolleybuses by 40 km.

The investment shall be completed by 31 December 2025.

Investment 2: Building infrastructure – Recharging points for private companies

Together with Investment 4 under this component, this investment shall aim at stimulating demand for electric cars and at supporting the development of hydrogen technology in transport. It shall consist of increasing the number of recharging points for private companies by 1500 units. A non-discriminatory treatment amongst the E-Mobility Service Providers shall be ensured and access shall be granted to the public to the extent possible. Call for interest shall ensure adequate geographical distribution, including the analysis of future needs for such infrastructure and mapping of critical areas where there is a significant shortfall of such infrastructure.

The investment shall be completed by 31 December 2025.

Investment 3: Building infrastructure – Recharging points for residential buildings

With the objective to contribute to the development of electric vehicles, this investment shall consist of increasing the number of recharging points in residential buildings, both in private garage and parking spaces reserved for the residents of the building, by 2880 units.

The investment shall be completed by 31 December 2025.

Investment 4: Aid for purchase of vehicles – vehicles (electric, H2, cargo ebikes) for private companies

With the objective of stimulating demand for zero emission vehicle, this investment shall aim at increasing the number of alternative fuel vehicles (electric, H2) for business by 4555 units (3525 electric, 30 hydrogen cars, 1000 cargo ebikes).

The investment shall be completed by 31 December 2025.

Investment 5: Aid for purchase of vehicles (electric, H2) and infrastructure for municipalities, regions, state administration and other public entities and other organisations.

This investment shall aim at increasing the number of alternative fuel vehicles (electric, H2) for municipalities, regions, state administration by 1485 units and at increasing the number of recharging points for municipalities, regions and state administration by 200 units.

The investment shall be completed by 31 December 2025.

Investment 6: Aid for purchase of vehicles (battery trolleybuses and low-floor tramways) for public transport in the city of Prague

This investment shall aim at supporting the purchase of 20 battery powered trolleybuses and 20 low-floor trams for the city of Prague.

The investment shall be completed by 31 March 2026.

J.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
115	Investment 1: Building infrastructure for public transport in the city of Prague	Target	Number of recharging points for the city of Prague		Number	0	52	Q4	2025	At least 52 new recharging points shall be operational for the city of Prague.
116	Investment 1: Building infrastructure for public transport in the city of Prague	Target	Number of kilometre of dynamic charging road for the city of Prague		Km of	0	40	Q4	2025	At least 40 km of dynamic charging road for battery trolley bus for the city of Prague shall be ready to operate.
117	Investment 2: Building infrastructure – Recharging points for private companies	Target	Number of recharging points deployed for private companies		Number of	0	1500	Q4	2025	At least 1500 new recharging points shall be operational and open to third parties.
118	Investment 3: Building infrastructure – Recharging points for residential buildings	Target	Number of recharging points deployed for residential buildings		Number of	0	2 880	Q4	2025	At least 2880 new recharging points shall be operational.
119	Investment 4: Aid for purchase of vehicles – vehicles (electric, H2, bikes) for private companies	Target	Number of vehicles (electric, H2, bikes) for private companies		Number of	0	4 555	Q4	2025	At least 4 555 new zero emission vehicles (3525 electric, 30 H2 cars, 1000 cargo e-bikes) for business shall be purchased.
120	Investment 5: Aid for purchase of vehicles (electric, H2) and infrastructure for municipalities, regions, state administration	Target	Number of vehicles (electric, H2) for municipalities, regions, state administration		Number of	0	1 485	Q4	2025	At least 1 485 new zero emission vehicles (electric, H2) for municipalities, regions, state administration shall be purchased.

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
121	Investment 5: Aid for purchase of vehicles (electric, H2) and infrastructure for municipalities, regions, state administration and other public entities	Target	Number of charging stations for municipalities, regions, state administration and other public entities		Number of	0	200	Q4	2025	At least 200 new charging stations for municipalities, regions, state administration and other public entities and organisations shall be operational.
122	Investment 6: Aid for purchase of vehicles (battery trolleybuses and low-floor tramways) for public transport in the city of Prague	Target	Number of vehicles (battery trolleybuses and low-floor trams) for public transport in the city of Prague		Number of	0	40	Q1	2026	At least 40 new zero emission vehicles (20 battery trolleybuses and 20 low-floor trams) for public transport in the city of Prague shall be operational.

K. COMPONENT 2.5: BUILDING RENOVATION AND AIR PROTECTION

This component of the Czech recovery and resilience plan contributes to addressing the challenges of reducing energy and water consumption in residential buildings, improving quality of living in these buildings, reducing emissions of greenhouse gases and other pollutants by replacing solid fuel-fired boilers, adapting residential buildings to the effects of climate change, constructing new buildings, as well as awareness-raising regarding energy savings, the use of renewable energy sources and adaptation to climate change in the residential sector. The component shall be implemented under the New Green Savings (NGS) 2030 support programme.

The reforms and the investments included in this component support addressing country-specific recommendation 3 2019, according to which Czechia shall focus investment-related economic policy on low carbon and energy transition, including energy efficiency, taking into account regional disparities, and country-specific recommendation 3 2020, according to which Czechia shall focus investment on the green transition, in particular on clean and efficient production and use of energy, including in the coal regions.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the recovery and resilience plan in accordance with the DNSH Technical Guidance (2021/C58/01). In particular, the investments shall be in line with the sustainability and the greenhouse gas (GHG) saving criteria as set out in Article 29 of Directive 2018/2001 on the promotion of the use of energy from renewable sources ('the Renewable Energy Directive', 'RED II'). These requirements shall apply to all installations irrespective of thresholds included in RED II. The investments shall comply with the RRF Regulation requirement of at least 80 % greenhouse gas emission saving from the use of biomass in relation to the GHG saving methodology and the fossil fuel comparator set out in Annex VI to RED II. In residential environments, investments in biomass boilers should not jeopardise the attainment of Directive 2008/50/EU. The investments shall comply with eco-design requirements (i.e. the requirements of Directive 2009/125/EC of the European Parliament and of the Council) and be classified in one of the two highest significantly represented energy efficiency classes within the meaning of Article 7(2) of Regulation (EU) 2017/1369 of the European Parliament and of the Council. These requirements shall be met for all fuels and all loading methods. The investments shall be guided and be consistent with the assessment of the trajectories of sustainable use of bioenergy and supply of biomass in Czechia and its impacts on the Land Use, Land-Use Change and Forestry sinks and biodiversity as well as impact on air quality for period 2020-2030, which is part of reform 2 under component 2.3.

The energy renovation of buildings, the use of RES in the residential sector and the exchange of solid fuel boilers shall increase the efficiency of domestic heating and is a key measure to meet the national reduction targets under Directive EU 2016/2284 and to achieve air quality standards under air quality improvement programmes. Emission reductions shall also have a positive impact on water quality, especially the reduction of benzo(a)pyrene emissions.

K.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Renovation wave in the household sector

This measure aims at supporting the implementation of energy efficiency improvements in residential buildings, including the optimisation of such support and the introduction of a qualitatively new level of project preparation. The measure shall also raise awareness of the possibilities to reduce energy needs and gradually change the behaviour of energy consumers.

The reform shall be achieved through the following actions:

- The New Green Savings 2030 programme shall be upgraded by optimising the setting of support conditions, by increasing the requirements for medium-scale renovations (saving 30 % of primary energy consumption), by increasing the emphasis on complex energy renovations, by reinforcing support for the construction of new houses with higher energy efficiency standards, and by supporting efficient water management.
- A two-stage pre-project preparation shall be introduced for households: a basic assessment of renovation options, alternatives, investment intensity, energy cost savings, the possible level of subsidy from the New Green Savings (first stage) and an overview of possible measures to renovate houses and use renewable energy sources in them, including an assessment of the economic efficiency and feasibility of these measures (second stage). The two-stage pre-project support shall significantly improve investment support, especially for lower income households.
- The energy consultation centres of the National Network of Local Action Groups shall be integrated in the network of local energy agencies.
- The support for training and retraining of workers deploying green construction, green technologies or materials under the State programme for supporting energy savings (EFEKT) shall be strengthened and expanded to foster the quality preparation and implementation of energy-saving projects.
- The existing system of environmental education and awareness-raising in eco-centres targeted at children and young people shall be extended to the entire general public and shall have a significant new focus on energy saving, use of renewable energy sources, climate change and adaptation to climate change.

The reform shall be implemented by 31 December 2025.

Reform 2: Support for energy communities

This measure aims at establishing ‘energy communities’ involving residential and entrepreneurial sector actively in renewable energy use as well as awareness-raising and training focused on developing community-based energy.

The reform shall be achieved through the following actions:

- The New Green Savings 2030 programme shall support the installation of new renewable energy sources in a way that eliminates obstacles to their future integration in the wider energy community. The New Green Savings 2030 programme shall also support smaller common multi-home energy storage sites or the creation of energy communities within individual multi-family buildings and other investment measures linked to energy communities.
- The establishment of energy communities as well as awareness-raising and education focused on developing energy communities shall be supported by non-investment measures.

The reform shall be implemented by 31 December 2025.

Investment 1: Support for the renovation and revitalisation of buildings in the housing sector

This measure aims at saving energy in residential buildings, constructing new residential buildings that exceed mandatory energy standards, replacing non-compliant combustion sources in households using solid fuels with gas condensing boilers of energy class A, using renewable energy sources as part of comprehensive energy renovation of buildings, and

adapting to climate change, including water management. Smart energy solutions at the level of individual households, houses or small groups of houses such as smart meters, common energy storage sites and demand aggregation shall be promoted.

The cost of installing gas-condensing boilers shall represent a maximum of 20 % of the overall renovation programme cost and be installed in order to replace solid-fuel-based boilers. The energy efficiency scheme shall incentivise beneficiaries to install new gas-fired boilers and to adopt other energy efficiency measures as well.

The renovation programme shall lead, on average, to a 30% reduction in the Primary Energy Demand of the buildings renovated.

A maximum of 10 % of the total allocation of this measure shall support the construction of new buildings. The new buildings supported shall have a Primary Energy Demand hat is at least 20 % lower than the Near Zero Energy Buildings requirement.

At least 70 % of non-hazardous construction and demolition waste shall be prepared for reuse or recycling. EU Level(s) indicators shall be used to assess and report on the sustainability performance of buildings, throughout the full life cycle of buildings.

Vulnerable energy consumers shall be also supported.

The investment shall be implemented through the following projects:

- Projects for reduction of energy consumption by 1 200 TJ/year contracted between 1 February 2020 and 30 September 2021.
- Reduction of energy consumption by 4 021 TJ/year and reduction of CO2 emissions by 631 kt/year between 1 February 2020 and 31 December 2025.

Investment 2: Support exchanges of non-compliant heat generators and installing renewable energy sources

This measure aims at replacing non-compliant combustion sources in households using solid fuels with low-emission heating sources (heat pumps, biomass boilers), and installing renewable energy sources suitable for the housing sector, in particular photovoltaic and photothermal systems.

The investment shall be implemented through the following projects:

- Projects for reduction of energy consumption by 186 TJ/year and reduction of CO2 emissions by 91 kt/year contracted between 1 February 2020 and 30 September 2021.
- Reduction of energy consumption by 396 TJ/year and reduction of CO2 emissions by 158 kt CO2/year by 30 September 2023.
- Reduction of energy consumption by 1132 TJ/year and reduction of CO2 emissions by 450 kt CO2/year by 31 December 2025.
- Reduction of energy consumption by 360 TJ/year and reduction of CO2 emissions by 118 kt/year reached through the support of socially disadvantaged groups of the population by 31 December 2025.

Investment 3: Pre-project preparation and awareness-raising

This measure aims at supporting the pre-project preparation of energy-saving renovations, heat exchanges for more energy-efficient energy and in particular, automation in the management of energy consumption in the housing sector, including education and training in these areas. 120 community energy project preparation projects, 3 600 project preparation studies for family houses, 1 200 project preparation studies for apartment buildings and 50 projects of Energy Consultation and Information Centres shall be completed.

The investment shall be implemented by 31 December 2025.

K.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
123	Reform 1: Renovation and revitalisation of buildings for energy savings	Milestone	Consultation and training services for renovation wave in the household sector and timetable for implementing measures included in air quality plans	Entry into operation of consultation and training services and submission to the Commission of timetable for implementing measures included in air quality plans				Q4	2025	A two-stage pre-project preparation shall be introduced for households. The energy consultation centres of the National Network of Local Action Groups shall be integrated in the network of local energy agencies, an energy advisory system composed of the Energy Consultation and Information Centres and individual Local Action Groups. The focus of the State programme for supporting energy savings (EFEKT) shall be expanded to cover the demand for training and retraining of workers deploying green construction, green technologies or materials, and enhancing the quality preparation and implementation of energy-saving projects. The existing system of environmental education and awareness-raising targeted at children and young people shall be extended to the entire general public and shall have a new focus on energy saving, use of renewable energy sources, climate change and adaptation to climate change. A timetable for the implementation of measures included in the approved air quality plans focused on the agglomerations with the highest levels of exceedances shall be elaborated and their implementation shall start by 30 June 2022.
124	Reform 2: Support for pre-project preparation and support of community energy projects	Target	Advisory services on energy communities		Number of energy communities supported	0	120	Q4	2025	Advisory services on the installation of new renewable energy sources in a way as to eliminate obstacles to their future integration in the wider energy community, smaller common multi-home energy storage sites, the creation of energy communities within individual multi-family buildings and other investment measures linked to energy communities shall be introduced in each region of Czechia by the regional office of the State Environment Fund. The establishment of 120 energy communities as well as awareness-raising and education focused on developing energy communities shall

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
										be supported by advisory services of the State Environment Fund.
125	Investment 1: Renovation and revitalisation of buildings for energy savings	Milestone	Projects contracted for reduction of energy consumption (in the period 02/2022 - 07/2021)		Energy savings in terra joules per year	0	1 200	Q3	2024	Projects for reduction of energy consumption by 1 200 TJ/year shall be contracted by the State Environment Fund between 1 February 2020 and 30 September 2021. Only projects that, on average, achieve a reduction in primary energy consumption of at least 30 % shall be chosen for implementation. Investments into gas-condensing boiler replacements shall be limited to maximum 20 % of the overall allocation of measure 2.5.1.
126	Investment 1: Renovation and revitalisation of buildings for energy savings	Target	Reduction of energy consumption and reduction of CO2 emissions		Energy savings in terra joules per year	1 200	4 021	Q4	2025	Energy consumption and CO2 emissions shall be reduced by 4 021 TJ/year and by 631 kt/year, respectively, between 1 February 2020 and 31 December 2025, which shall be demonstrated through energy performance certificates. Only projects that, on average, achieve a reduction in primary energy consumption of at least 30 % shall be chosen for implementation. Investments into gas-condensing boiler replacements shall be limited to maximum 20 % of the overall allocation of measure 2.5.1.
127	Investment 2: Replacement of stationary sources of pollution in households with renewable energy sources	Milestone	Projects contracted for reduction of energy consumption and reduction of CO2 emissions (between Q1 2020 and Q3 2021)		Energy savings in terra joules per year	0	186	Q3	2023	Projects for reduction of energy consumption and CO2 emissions by 186 TJ/year and by 91 kt/year, respectively, shall be contracted by the State Environment Fund by 30 September 2021. As regards biomass, at least 80 % greenhouse gas (GHG) emission savings shall be achieved from the use of biomass in relation to the GHG saving methodology and the relative fossil fuel comparator set out in Annex VI to Directive (EU) 2018/2001.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
128	Investment 2: Replacement of stationary sources of pollution in households with renewable energy sources	Target	Reduction of energy consumption and CO2 emissions (35% implemented)		Energy savings in terra joules per year	186	396	Q3	2023	Energy consumption and CO2 emissions shall be reduced by 396 TJ/year and 158 kt/year, respectively, by 30 September 2023, which shall be demonstrated through energy performance certificates. As regards biomass, at least 80 % greenhouse gas (GHG) emission savings shall be achieved from the use of biomass in relation to the GHG saving methodology and the relative fossil fuel comparator set out in Annex VI to Directive (EU) 2018/2001.
129	Investment 2: Replacement of stationary sources of pollution in households with renewable energy sources	Target	Reduction of energy consumption and reduction of CO2 emissions		Energy savings in terra joules per year	396	1 132	Q4	2025	Energy consumption and CO2 emissions shall be reduced by 1 132 TJ/year and by 450 kt/year, respectively, by 31 December 2025, which shall be demonstrated through energy performance certificates. Energy consumption and CO2 emissions shall be reduced by 360 TJ/year and by 118 kt/year, respectively, through the support of socially disadvantaged groups of the population by 31 December 2025. Reductions shall be demonstrated through energy performance certificates. As regards biomass, at least 80 % greenhouse gas (GHG) emission savings shall be achieved from the use of biomass in relation to the GHG saving methodology and the relative fossil fuel comparator set out in Annex VI to Directive (EU) 2018/2001.
130	Investment 3: Support for pre-project preparation and awareness raising, education, training and information in the field of energy saving and reduction	Target	Pre-project preparation projects, studies, trainings and community energy projects		Number of projects	0	4 970	Q4	2025	4 970 projects, including 120 community energy project preparation projects, 3 600 project preparation studies for family houses, 1 200 project preparation studies for apartment buildings and 50 projects of Energy Consultation and Information Centres, shall be completed.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
	of emissions of greenhouse gases and other air pollutants									

L. COMPONENT 2.6: NATURE PROTECTION AND ADAPTATION TO CLIMATE CHANGE

This component of the Czech recovery and resilience plan contributes to addressing, in line with the "Strategy on adaptation to climate change in Czech Republic", the challenges arising from climate change in the following priority areas: forest management, agriculture, water regime in the landscape, Water management and biodiversity.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the recovery and resilience plan in accordance with the DNSH Technical Guidance (2021/C58/01).

In order to ensure that the measure complies with the 'Do no significant harm' Technical Guidance (2021/C58/01), the eligibility criteria contained in the terms of reference for upcoming calls for projects shall require that only activities that comply with relevant EU and national environmental legislation can be selected, namely the Water Framework Directive, Floods Directive, Habitats and Birds Directive, Environmental Impact Assessment and Strategic Environmental Assessment Directives

Procurement procedures shall be launched in accordance with the EU and national public procurement law. The Ministry of Agriculture shall ensure that selected projects comply with the relevant EU and national environmental legislation, namely the Water Framework Directive, Floods Directive, Habitats and Birds Directives, Environmental Impact Assessment and Strategic Environmental Assessment Directives, and the 'Do no significant harm' Technical Guidance (2021/C58/01).

L.1. Description of the reforms and investments for non-repayable financial support

Investment 1: Flood protection

This measure shall aim at protecting populated areas against the negative effects of flood, at improving water retention in the landscape, and at facilitating the natural treatment of existing water structures in built-up areas. The investment shall consist of: the identification of water retention potential; the establishment, treatment and reconstruction of polders and absorbing grass strips; the construction and reconstruction of natural water reservoirs; and of other measures to achieve a retardation of surface run-off and a reduction in flood wave speed.

The investment shall be completed by 31 December 2023.

Investment 2: Small watercourses and small water reservoirs

The measure shall aim at a significant improvement in the morphological condition of existing small watercourses and small water reservoirs, in the revitalisation of small water courses, and in the construction of new close-to-nature small ponds. It contributes to water retention, and it increases the development of coastal vegetation and water retention in water courses. It also leads to increased safety in the event of flows in towns and municipalities.

The investment shall be completed by 31 December 2023.

Investment 3: Land consolidation

The measure shall aim at increasing the ecological stability of the landscape and its resilience to climate change, at promoting biodiversity and non-productive functions of the landscape and at protecting agricultural lands and water resources. The measures shall be based on an assessment of water retention potential in the landscape and shall focus primarily on protecting the quality and quantity of soil and water, dividing large plots of agricultural land by landscape features, implementing nature-based anti-erosion measures (balks, diagonals, trenches, grass strips) in the landscape to eliminate the adverse effects of surface runoff.

Water retention measures shall focus mainly on projects such as restoration of wetlands, revitalisation of watercourses and creation of ponds. This investment shall also include the implementation of green infrastructure measures supporting biodiversity such as bio centres and bio corridors.

The investment shall be completed by 31 December 2023.

Investment 4: **Building forests resilient to climate change**

This measure shall aim at restoring a stable forest by planting native and heterogeneous species, while aiming for multigenerational and spatial composition of the forest to be resilient to climate change, and consistent with the National Action Plan for Climate Change Adaptation. This investment will be complemented by an amendment to the ministerial decree on forest management planning, which shall specifically pave the way for multigenerational, multispecies and resilient forests.

The investment shall be completed by 30 September 2024.

Investment 5: **Water retention in forest**

This measure shall aim at strengthening water retention capacity in forests through the implementation of projects improving soil, water and microclimatic conditions such as (treatment of forest watercourses, small water reservoirs in forests, and natural water retention measures aimed at slowing down the runoff), and through the monitoring of accelerated erosion and the protection of the shedding basins.

The investment shall be completed by 31 March 2024.

L.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)		Indicative timeline for completion			Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
131	Investment 1: Flood protection	Milestone	Notification of award of flood protection contracts	Notification of awarded projects and contracted tenderers by [name of managing authority]				Q1	2022	Notification of awarded flood protection projects (total number of projects: 40). For each project, full compliance with the requirements of the Water Framework Directive shall be ensured and demonstrated before the commencement of any construction works.
132	Investment 1: Flood Protection	Target	T1: Completion of 20 projects aiming at establishing resilient flood protection.		Number of projects	0	20	Q4	2022	First completion report by independent engineer certified by the Ministry of Agriculture for 20 listed projects. In line with the National Action plan for Climate Change Adaptation and State Policy of the Environment in the Czech Republic 2030 with a view to 2050, nature-based solutions shall be given a preference, while constructing and/or refurbishing of artificial concrete-based flood protection infrastructure shall be avoided. The listed projects shall be implemented only once permits are granted by the relevant water authority based on an environmental impact assessment and relevant assessments in the context of Directive 2000/60/EC. These permits shall assess all potential impacts on the status of water bodies within the same river basin and on protected habitats and species directly dependent on water, considering in particular migration corridors, free-flowing rivers or ecosystems close to undisturbed conditions, as well as current pressures related to water abstraction The impact assessment shall establish that the project (i) does not significantly or irreversibly impact affected water bodies, nor prevent the specific water body to which it relates nor other water bodies in the same river basin to achieve good status or potential, and (ii) does not significantly negatively impact on protected habitats and species directly dependent on water. Good ecological status/potential of the relevant water bodies in accordance with the requirements of the Water Framework Directive 2000/60/EC has been achieved and evidenced by latest relevant supporting data. Similarly, all the necessary results and conditions from the Environmental Impact Assessment, which shall be completed in accordance with

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)		Indicative timeline for completion			Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
										Directive 2011/92/EU, shall be respected (in particular stakeholders' consultation) as well as relevant assessments under the Habitats Directive as included in the conditions stipulated by the nature protection authorities. Regarding the projects aiming at reconstruction or modernization of dams (and in particular the Orlik dam project) : the project's design shall incorporate the necessary results and conditions from the Environmental Impact Assessment, which shall be completed in accordance with Directive 2011/92/EU as well as relevant assessments in the context of Directive 2000/60/EC, including the implementation of required mitigation measures, ensuring compliance with the DNSH Technical Guidance (2021/C58/01). Any measures identified in the framework of the EIA and the assessment under Directive 2000/60/EC as necessary to ensure compliance with the DNSH principle shall be integrated into the project and strictly complied with at the stages of construction, operation and decommissioning of the infrastructure. The completion report shall confirm the full respect of the outcome of the EIA including the implementation of required mitigation measures, ensuring compliance with the DNSH Technical Guidance (2021/C58/01). A risk analysis of the project shall be conducted. This risk analysis shall also address future climatic conditions. Any reconstruction or modernization shall not lead to an increase of the dam capacity
133	Investment 1: Flood Protection	Target	T2: Completion of additional 20 projects aiming at establishing resilient flood protection.		Number of projects	20	40	Q4	2023	Second completion report by an independent engineer for an additional 20 listed projects. In line with the National Action plan for Climate Change Adaptation and State Policy of the Environment in the Czech Republic 2030 with a view to 2050, nature-based solutions shall be given a preference, while constructing and/or refurbishing of artificial concrete-based flood protection infrastructure shall be avoided. The listed projects shall be implemented only once permits are granted by the relevant water authority based on an environmental impact assessment and relevant assessments in the context of Directive 2000/60/EC. These permits shall assess all potential impacts on the status of water bodies within the same river basin and on protected habitats and species directly dependent on water, considering in particular migration corridors, free-

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)		Indicative timeline for completion			Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
										flowing rivers or ecosystems close to undisturbed conditions, as well as current pressures related to water abstraction The impact assessment shall establish that the project (i) does not significantly or irreversibly impact affected water bodies, nor prevent the specific water body to which it relates nor other water bodies in the same river basin to achieve good status or potential, and (ii) does not significantly negatively impact on protected habitats and species directly dependent on water. Good ecological status/potential of the relevant water bodies in accordance with the requirements of the Water Framework Directive 2000/60/EC has been achieved and evidenced by latest relevant supporting data. Similarly, all the necessary results and conditions from the Environmental Impact Assessment, which shall be completed in accordance with Directive 2011/92/EU shall be respected (in particular stakeholders' consultation) as well as relevant assessments under the Habitats Directive as included in the conditions stipulated by the nature protection authorities. Regarding the projects aiming at reconstruction or modernization of dams (and in particular the Orlik dam project) : the project's design shall incorporate the necessary results and conditions from the Environmental Impact Assessment, which shall be completed in accordance with Directive 2011/92/EU as well as relevant assessments in the context of Directive 2000/60/EC, including the implementation of required mitigation measures, ensuring compliance with the DNSH Technical Guidance (2021/C58/01). Any measures identified in the framework of the EIA and the assessment under Directive 2000/60/EC as necessary to ensure compliance with the DNSH principle shall be integrated into the project and strictly complied with at the stages of construction, operation and decommissioning of the infrastructure. The completion report shall confirm the full respect of the outcome of the EIA including the implementation of required mitigation measures, ensuring compliance with the DNSH Technical Guidance (2021/C58/01). A risk analysis of the project shall be conducted. This risk analysis shall also address future climatic conditions. Any reconstruction or modernization shall not lead to an increase of the dam capacity

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					Unit of measure	Base line	Goal	Quarter	Year	
134	Investment 2: Small watercourses and water reservoirs	Milestone	Submission by the Ministry of Agriculture of the list of projects to be supported under investment 2	Submission of the list of projects to be supported under investment 2				Q3	2021	The Ministry of Agriculture shall submit to the Commission a database including identification of the projects, a short description and timeline for completion. The projects shall consist of construction and reconstruction of small water reservoirs throughout the Czech Republic. The projects' designs shall incorporate the necessary results and conditions from the Environmental Impact Assessment, which shall be completed in accordance with Directive 2011/92/EU as well as relevant assessments in the context of Directive 2000/60/EC and Council Directive 92/43/EE.
135	Investment 2: Small watercourses and water reservoirs	Target	T1: Completion of 50% of the small watercourses and water reservoirs projects		Number of projects	0	450	Q2	2022	Completion report by an independent engineer for 50% of the projects. In line with the National Action plan for Climate Change Adaptation and State Policy of the Environment in the Czech Republic 2030 with a view to 2050, nature-based solutions shall be given a preference, while constructing and/or refurbishing of artificial concrete-based flood protection infrastructure shall be avoided as much as possible. The projects shall be implemented only once permits are granted by the relevant water authority based on an environmental impact assessment and relevant assessments in the context of Directive 2000/60/EC. These permits shall assess all potential impacts on the status of water bodies within the same river basin and on protected habitats and species directly dependent on water, considering in particular migration corridors, free-flowing rivers or ecosystems close to undisturbed conditions, as well as current pressures related to water abstraction The impact assessment shall establish that the project (i) does not significantly or irreversibly impact affected water bodies, nor prevent the specific water body to which it relates nor other water bodies in the same river basin to achieve good status or potential, and (ii) does not significantly negatively impact on protected habitats and species directly dependent on water. Good ecological status/potential of the relevant water bodies in accordance with the requirements of the Water Framework Directive 2000/60/EC has been achieved and evidenced by latest relevant supporting data. Similarly, all the necessary results and conditions from the Environmental Impact Assessment, which shall be completed in accordance with Directive 2011/92/EU shall be respected (in particular stakeholders'

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)		Indicative timeline for completion			Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
										consultation) as well as relevant assessments under the Habitats Directive as included in the conditions stipulated by the nature protection authorities. In case water reservoirs are intended for irrigation, any expansion of existing irrigation system (including through increased use of water, i.e. not only physical expansion), even via more efficient methods, is not supported where concerned water bodies (surface or ground waters) are, or projected (in the context of intensifying climate change) to be in less than good status or potential.
136	Investment 2: Small watercourses and water reservoirs	Target	T2: Completion of 50% additional small watercourses and water reservoirs		Number of projects	450	900	Q4	2023	Completion report by an independent engineer certified by the Ministry of Agriculture for the remaining 50% of the projects. In line with the National Action plan for Climate Change Adaptation and State Policy of the Environment in the Czech Republic 2030 with a view to 2050, nature-based solutions shall be given a preference, while constructing and/or refurbishing of artificial concrete-based flood protection infrastructure shall be avoided. The projects shall be implemented only once permits are granted by the relevant water authority based on an environmental impact assessment and relevant assessments in the context of Directive 2000/60/EC. These permits shall assess all potential impacts on the status of water bodies within the same river basin and on protected habitats and species directly dependent on water, considering in particular migration corridors, free-flowing rivers or ecosystems close to undisturbed conditions, as well as current pressures related to water abstraction The impact assessment shall establish that the project (i) does not significantly or irreversibly impact affected water bodies, nor prevent the specific water body to which it relates nor other water bodies in the same river basin to achieve good status or potential, and (ii) does not significantly negatively impact on protected habitats and species directly dependent on water. Good ecological status/potential of the relevant water bodies in accordance with the requirements of the Water Framework Directive 2000/60/EC has been achieved and evidenced by latest relevant supporting data. Similarly, all the necessary results and conditions from the Environmental Impact Assessment, which shall be completed in accordance with

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)		Indicative timeline for completion			Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
										Directive 2011/92/EU shall be respected (in particular stakeholders' consultation) as well as relevant assessments under the Habitats Directive as included in the conditions stipulated by the nature protection authorities. In case water reservoirs are intended for irrigation, any expansion of existing irrigation system (including through increased use of water, i.e. not only physical expansion), even via more efficient methods, is not supported where concerned water bodies (surface or ground waters) are, or projected (in the context of intensifying climate change) to be in less than good status or potential.
137	Investment 3: Land consolidation	Target	Completion of green infrastructure projects promoting biodiversity including bio centres, bio corridors and planting of locally typical greenery in the agriculture landscape (in ha of land served by the investment).		Hectares of green infrastructure projects	0	90	Q4	2023	At least 90ha of green infrastructures projects shall be completed. These projects shall be based on an assessment of water retention in the landscape by the local authority of the State administration for environmental protection and shall be in line with the National Action Plan for Climate Change Adaptation and the Strategy of Biodiversity Protection of the Czech Republic, River Basin Management Plans and Floods Risk Management Plans.
138	Investment 3: Land consolidation	Target	Completion of environmental protection activities and adaptation to climate change (in ha of land served by the investment).		Hectares of land	0	150	Q4	2023	At least 150ha of environmental protection activities and adaptation to climate change projects are completed. These activities shall focus primarily on the protection of soil and water, both quantity and quality. Individual projects shall implement anti-erosion actions in the landscape (ditches, overhangs, borders, grass strips and other retardation elements) to eliminate the adverse effects, especially of torrential rains. These actions, which help retain water in the landscape, mainly from the increasingly frequent torrential rainfall, shall support the infiltration of water into the underground, decrease water evaporation in the agricultural landscape and shall provide support for a small water cycle, reduce water pollution and soil removal. Investments in infrastructure (like local roads)

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)		Indicative timeline for completion			Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
										shall be excluded.
139	Investment 4: Building forests resilient to climate change	Milestone	Amendment to the ministerial decree on forest management planning (amendment to Decree No. 84/1996 Coll. on forest management planning)	Entry into force of the Amendment to ministerial decree on forest management planning (amendment to Decree No. 84/1996 Coll. on forest management planning)				Q1	2023	Amendment to the ministerial decree on forest management planning, which shall specifically pave the way for multigenerational, multispecies and resilient forests shall be adopted. The amendment to Forest Management Decree shall aim at the creation of genuine multigenerational forest, introduce innovative methods of forest managements planning for the forests with rich age structure. The Decree shall assure that the tree species composition of newly planted forests will be close-to-nature composition with significant increase of broadleaved species (so-called "recommended composition" by the research).
140	Investment 4: Building forests resilient to climate change	Target	T1: Reforestation of 12000 ha of areas by ameliorative and stabilising tree species		Hectares of reforestation	0	12000	Q3	2022	Completion report by an independent body for 12000 ha reforestation projects. The reforestation shalll aim to ensure multigenerational, multispecies forest with regard to spatial composition which are managed according to a continuous cover forestry approach. Even-aged monospecific forests shall be replaced by more biodiverse ecosystems, restricting the use of clear-cutting to cases where it is needed to ensure forest health and effective regeneration, and limiting the size of the clear cut area as much as possible.

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)		Indicative timeline for completion			Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
										Native tree species shall be used, unless it can be demonstrated that they are no longer adapted to projected climatic and pedo-hydrological conditions. Also, admixtures of not more than 25% of Douglas fir in mixed stands shall be accepted • where allowed by national legislation • excluding Natura 2000 and other protected areas • and if the suitability of Douglas fir for the projected climatic conditions of the site of reforestation can be demonstrated.
141	Investment 4: Building forests resilient to climate change	Target	T2: Reforestation of additional 24000ha of areas by ameliorative and stabilising tree species		Hectares of reforestation	12000	36000	Q3	2024	Completion report by an independent body for an additional 24000ha. The reforestation shalld aim to ensure multigenerational, multispecies forest with regard to spatial composition which are managed according to a continuous cover forestry approach. Even-aged monospecific forests shall be replaced by more biodiverse ecosystems, restricting the use of clear-cutting to cases where it is needed to ensure forest health and effective regeneration, and limiting the size of the clear cut area as much as possible. Native tree species shall be used, unless it can be demonstrated that they are no longer adapted to projected climatic and pedo-hydrological conditions. Also, admixtures of not more than 25% of Douglas fir in mixed stands shall be accepted • where allowed by national legislation • excluding Natura 2000 and other protected areas • and if the suitability of Douglas fir for the projected climatic conditions of the site of reforestation can be demonstrated.
142	Investment 5: Water retention in forest	Milestone	T1: Completion of 40 projects of torrent control (small scale wooden and natural stone dams) to slow down surface runoff and water retention projects in forests (retention and small		Number of projects	0	40	Q1	2023	Completion report by an independent body for 40 projects. The projects shall be nature-based solutions (in line with the National Action Plan for Climate Change Adaptation as well as the National Policy of the Czech Republic to combat droughts). The projects' designs shall incorporate the necessary results and conditions from the Environmental Impact Assessment, which shall be completed in accordance with Directive 2011/92/EU as well as relevant assessments in the context of Directive 2000/60/EC and Council Directive 92/43/EE.

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)		Indicative timeline for completion			Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
			reservoirs).							
143	Investment 5: Water retention in forest	Milestone	T2: Completion of 20 additional projects of torrent control (small scale wooden and natural stone dams) to slow down surface runoff and water retention projects in forests (retention and small reservoirs).		Number of projects	40	60	Q1	2024	Completion report by an independent body certified for 20 additional projects. The projects shall be nature-based solutions (in line with the National Action Plan for Climate Change Adaptation as well as the National Policy of the Czech Republic to combat droughts). The projects' designs shall incorporate the necessary results and conditions from the Environmental Impact Assessment, which shall be completed in accordance with Directive 2011/92/EU as well as relevant assessments in the context of Directive 2000/60/EC and Council Directive 92/43/EE.

M. COMPONENT 2.7: CIRCULAR ECONOMY, RECYCLING AND INDUSTRIAL WATER

This component of the Czech recovery and resilience plan supports addressing the challenge of waste generation and raw material dependency, with the objective of supporting the transition to a circular economy in Czechia. This shall be achieved through measures preventing waste, increasing recycling infrastructure, reducing secondary raw material wastage, increasing the share of recycled materials in products, and increasing the raw material security of Czechia through the reduced dependency on imported raw materials due to the continuous and uninterrupted availability of raw materials. Moreover, the component focuses on sustainable water management, including measures aimed at saving and recycling water and optimising the use of water in businesses. The transition to the circular economy shall help increase the resilience of Czechia against both environmental and economic threats.

The component supports addressing the country specific recommendation, according to which Czechia shall focus investment-related economic policy on low carbon and energy transition, including energy efficiency (Country Specific Recommendation 3 2019), and the country specific recommendation, according to which Czechia shall aim at focus investment on the green and digital transition, in particular on clean and efficient production and use of energy (Country Specific Recommendation 3 2020).

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01). In particular, the measures on waste management and recycling infrastructure shall be in conformity with Article 28 of Directive 2008/98/EC as amended by Directive (EU) 2018/851.

M.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Implementation of new legislation on waste management in the Czech Republic

The reform aims at increasing the prevention, recycling, recovery and sorting of waste and reducing landfilling, with the objective of strengthening the principles of producer responsibility and eco-modulation. By 2035, at least 65 % of the municipal waste shall be recycled[9] and a maximum of 10 % shall be landfilled[10]. The new legislation on waste management in the Czech Republic has been in force since 1 January 2021. Following the newly adopted waste legislation, the following implementing acts on waste management shall be finalised and enter into force by 30 September 2023, in accordance with the elements specified in Article 28 of Directive 2008/98/EC as amended by Directive (EU) 2018/851:

- Decree on the Waste Catalogue No 8/2021 Coll., establishing the new Waste Catalogue and setting rules for evaluation of hazardous properties of waste
- Ordinance on the management of packaging No 30/2021 Coll., providing for rules on packaging registry and notification of the records from such registry, and a methodology of the accounting of use of packaging.

[9] In accordance with Article 12 of Directive 2008/98/EC as amended by Directive (EU) 2018/851.

[10] In accordance with Directive 1999/31/EC as amended by Directive (EU) 2018/850.

- Decree on the details of waste management, in preparation, implementing the amended Waste Act and setting rules for management of all waste streams
- Decree on by-products and waste conversion (asphalt decree), in preparation, setting out conditions under which the asphalt mixture is a by-product or ceases to be waste
- Decree on details of the management of end-of-life vehicles, in preparation, setting rules for the collection and processing of end-of-life vehicles, and the method of calculating the level of re-use and recycling or other recovery of end-of-life vehicles
- Decree on the management of end-of-life products, in preparation, setting out the requirements for holding information campaigns to increase the public awareness of end-of-life products treatment, and setting out technical requirements for storage and use of the electric and electronic waste such as waste batteries and accumulators, waste electrical equipment and waste tires

National and regional waste management plans, aimed at improving the environmentally sound preparation for the re-use, recycling, recovery and disposal of waste shall be finalised and enter into force.

The reform shall be completed by 31 December 2023.

Reform 2: Finalisation and implementation of the circular Czechia strategy 2040

The reform aims at establishing and starting the implementation of a strategy for transforming the Czech society into a circular economy. This envisaged circular economic system shall be achieved through minimising waste generation and the use of resource inputs, in line with the EU's new Circular Economy Action Plan.

The reform consists of the finalisation and implementation of the circular Czechia strategy 2040, which shall promote circular economy principles and further define the necessary priorities and steps ensuring that Czechia becomes resilient in the long term to future environmental threats, including climate change and biodiversity loss, and develops an overall sustainable social system. Through shortened and diversified supply chains and lower dependency on primary resources, a circular economy shall contribute to enhanced strategic autonomy and resilience of Czechia. Inter alia, the strategy shall incentivise enterprises, consumers, cities and municipalities to support circular solutions through product design and manufacturing, innovation, research, digitalisation and education. The strategy shall be finalised by 31 March 2022, followed by the Action Plan.

The reform shall be completed by 30 September 2025.

Investment 1: **Building recycling infrastructure**

The measure aims at supporting investments leading to an increase in the capacity of recycling infrastructure by supporting projects that will contribute to the development of a circular economy in the field of biodegradable waste management. Innovative and advanced solutions for separate collection, sorting, preparing for reuse and recycling shall be supported.

The measure shall support projects enhancing the reintroduction of compost and the waste from biogas digesters back to the soil on agricultural land, increasing the proportion of organic matter in the soil. Inter alia, support shall be channelled directly to agricultural operators in order to increase their capacity and encourage the incorporation of compost from waste compost plants. Support for 300 projects is expected, increasing the capacity of the recycling infrastructure by at least 250 000 tonnes.

The investment shall be completed by 31 December 2025.

Investment 2: Circular solutions in businesses

The measure aims at contributing to the green transition and the sustainable use of primary raw material resources. To this end, the measure shall support projects that promote the development of circular economy solutions among businesses. This entails investments in innovative technologies that i) enable new or increased use of secondary raw materials as a substitute for primary resources, and ii) reduce the input intensity of production and substitute primary feedstocks through secondary ones.

The measure shall also focus on the optimisation of material eco-design of products to facilitate recycling and re-use, alongside industrial symbiosis projects and other investment business projects contributing to the transition to a circular economy. Lastly, the investment shall support projects addressing the targeted application of recycled materials in products. Support is expected for at least 60 businesses.

The investment shall be completed by 31 December 2025.

Investment 3: **Water saving in industry**

The measure aims at contributing to a circular economy by improving water management in the industry.

The measure shall focus on projects addressing the following issues:

- optimising water consumption through the installation of new water-saving technologies and equipment,
- water recycling in production sectors and other business activities with high water consumption,
- reusing polluted or used operating water in other processes,
- optimising water use in utility plants,
- reducing water losses in closed circuits water systems and water distribution systems,
- exploiting the potential of waste steam,
- other projects aimed at improving water management in industry.

Support is expected for at least 40 businesses.

The investment shall be completed by 31 December 2025.

M.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
144	Reform 1: Implementation of new legislation on waste management in the Czech Republic	Milestone	Entry into force of the implementing decisions following the legislation on waste management prepared by the Ministry of Environment	Provision in the implementing decisions indicating the entry into force of the respective implementing decisions				Q3	2023	These implementing decisions shall include the Decree on the waste catalogue No 8/2021 Coll., the Decree on the handling of packaging No. 30/2021 Coll., the Decree on the details of waste management, the Decree on by-products and waste transfer waste (asphalt decree), the Decree on the details of the handling of end-of-life vehicles, and the Decree on the details of handling of end-of-life products (tires, electrical, batteries).
145	Reform 1: Implementation of new legislation on waste management in the Czech Republic	Milestone	Entry into force of a national and regional waste management plan	Provision in the law indicating the entry into force of a national and regional waste management plan				Q4	2023	Providing a new national and regional waste management plan, aimed at improving the environmentally sound preparation for the re-use, recycling, recovery and disposal of waste.
146	Reform 2: Finalisation and implementation of the circular Czechia strategy 2040	Milestone	Completion and adoption of the circular Czechia strategy 2040 by the Ministry of Environment	Publication of the circular Czechia strategy 2040 in the database of the Czech Republic's strategic documents				Q1	2022	Completion and adoption of the Circular Czechia 2040 strategy. The strategy shall formulate the vision, global and strategic goals, priority areas and principles necessary to achieve a circular economy in the Czech Republic.
147	Reform 2: Finalisation and	Milestone	Completion of a monitoring report evaluating	Publication of a monitoring report evaluating the				Q3	2025	A monitoring report shall be completed and published by the Ministry of Environment, evaluating the development of the circular economy in Czechia and the progress made in

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
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	implementation of the circular Czechia strategy 2040		the state of implementation of the Circular Czechia 2040 strategy t	state of implementation of the circular Czechia strategy 2040						implementing the elements of the Circular Czechia 2040 strategy.
148	Investment 1: Building recycling infrastructure	Milestone	Award of all public contracts for projects investing in recycling infrastructure by the Ministry of Environment	Notification of the award of all public contracts for projects investing in recycling infrastructure by the Ministry of Environment				Q3	2022	Notification of the award of all public contracts for projects enhancing recycling infrastructure by the Ministry of Environment. Projects shall be selected that invest in energy recovery infrastructure fit for the long-term vision of the waste management and recycling industry by prioritising the higher levels of the waste hierarchy. The projects shall aim at converting at least 50 %, in terms of weight, of the processed separately collected non-hazardous waste into secondary raw materials. Innovative and advanced solutions for separate collection, sorting, preparing for reuse and recycling shall be only supported. The projects shall be evaluated according to the established criteria in line with the national and regional waste management plans which are in conformity with Article 28 of Directive 2008/98/EC, as amended by Directive (EU) 2018/851.
149	Investment 1: Building recycling infrastructure	Target	Completion of projects investing in recycling infrastructure		Tonnes	0	250 000	Q4	2025	Investment support shall be provided for investments in the construction of recycling infrastructure in the field of biodegradable waste management. As a priority, anaerobic digestion plants shall be supported. The projects shall aim at converting at least 50 %, in terms of weight, of the processed separately collected non-hazardous waste into secondary raw materials. Support for 300 projects is expected, that shallthe capacity of the recycling infrastructure by at least 250 000 tonnes.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
150	Investment 2: Circular solutions in businesses	Milestone	Award of all public contracts for projects investing in circular solutions in businesses by the Ministry of Industry and Trade	Notification of the award of all public contracts for projects investing in circular solutions in businesses by the Ministry of Industry and Trade				Q4	2022	Notification of the award of all public contracts for projects investing in circular solutions in businesses by the Ministry of Industry and Trade. Projects shall be selected that enhance the industrial transformation towards a low-carbon, circular and digital society, reducing the material intensity of production and the consumption of primary resources.
151	Investment 2: Circular solutions in businesses	Target	Completion of projects investing in circular solutions in businesses		Number of projects	0	60	Q4	2025	Projects shall be completed that support the development of circular solutions in industrial enterprises, increasing the use of secondary raw materials as a substitute for primary resources, reducing the material intensity of production, optimising material eco-design to facilitate recycling and re-use, implementing industrial symbiosis and encouraging the transition to a circular economy. The total budget executed for this purpose over the duration of the measure shall amount to at least EUR 39 000 000
152	Investment 3: Water saving in industry	Milestone	Award of all public contracts for projects to save and optimise water in the industry by the Ministry of Industry and Trade	Notification of the award of all public contracts for projects to save and optimise water in the industry by the Ministry of Industry and Trade				Q4	2022	Notification of the award of all public contracts for projects to save and optimise water in the industry by the Ministry of Industry and Trade. Projects shall be selected that optimise water consumption in the production process by installing new technologies and equipment to save water, direct water recycling in water-intensive industries, reuse polluted/used operating water in other processes, optimise water use in utility plants, reduce water losses in closed circuits, or optimise the use of steam or its distribution potential.
153	Investment 3: Water saving in industry	Target	Completion of projects to save and optimise water in the		Number of projects	0	40	Q4	2025	Projects shall be completed that optimise water consumption in the production process by installing new technologies and equipment to save water, direct water recycling in water-intensive industries, reuse polluted/used operating water in

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
			industry							other processes, optimise water use in utility plants, reduce water losses in closed circuits, or optimise the use of steam or its distribution potential. The total budget executed for this purpose over the duration of the measure shall amount to at least EUR 39 000 000.

N. COMPONENT 2.8: BROWNFIELDS REVITALISATION

This component of the Czech recovery and resilience plan contributes to addressing the challenge of supporting revitalisation of former industrial or unused sites in urban areas (henceforth brownfield sites) with the ultimate goals to:

- improve energy efficiency of renovated or reconstructed buildings;
- construct new energy-efficient buildings, where renovation would neither be possible nor efficient;
- create natural carbon sinks.

The component shall initiate comprehensive site conversions and enhance the ecological stability of the landscape by creating new green areas without affecting agricultural land. The revitalisation of the territory is expected to contribute to a more efficient use of technical and transport infrastructure, reduced energy consumption and increased energy efficiency.

The component supports addressing the country-specific recommendation, according to which Czechia shall focus on low carbon and energy transition, including energy efficiency (Country Specific Recommendation 3 2019), and the country-specific recommendation, according to which Czechia shall support clean and efficient production and use of energy (Country Specific Recommendation 3 2020).

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01). In particular, at least 70% of construction and demolition waste shall be prepared for reuse and recycling.

N.1. Description of the reforms and investments for non-repayable financial support

Investment 1: Investment aid for regeneration of specific brownfield sites

The investment shall support brownfield regeneration projects aimed at preparing areas for further multifunctional use (including refurbishment and construction of infrastructure or demolition of buildings). Specific brownfield sites have been identified by the Ministry of Regional Development in cooperation with CzechInvest, the investment and business development agency of Czechia subordinate to the Ministry of Industry and Trade, based on the size of the site, the expected size of the investment and the alignment of the project with Europe's green transition ambitions. The measure shall consist of the establishment of a subsidy programme which shall provide support for the preparation of land for future investments and for the investment projects themselves. The investment shall support 14 brownfield regeneration projects.

The investment shall be completed by 31 December 2025.

Investment 2: Investment aid for the regeneration of brownfield sites owned by municipalities and regions for non-business use

The investment shall support the regeneration of brownfield sites owned by local and regional authorities that shall be turned into an amenity or a public institution, such as a school, a cultural centre, a sports ground, a municipal authority or a publicly accessible park. Support shall exclusively be given to projects that commit either to energy-efficient renovation or the creation of natural carbon sinks, including the creation of permanent grassland or the planting of trees. The investment shall support 45 non-business brownfield regeneration projects.

The investment shall be completed by 31 December 2025.

Investment 3: Investment aid for the regeneration of brownfield sites owned by municipalities and regions for business use

The investment shall help revitalise brownfield degraded sites, including the removal of small-scale obstacles on the surface, owned by municipalities in particular for business use and, to a limited extent, for non-business use. These obstacles refer to parts of constructions marked as hazardous waste, such as asbestos-containing materials, or small oil leaks. A particular emphasis shall be placed on strict adherence to the principles of blue-green infrastructure and energy efficiency, implying that preference shall be given to projects implementing rainwater management pursuant to Act 254/2001 ("Water Act") and, in case of new buildings, energy savings measures beyond the legislative requirements of Act 406/2000 ("Energy Management Act"). Regenerated sites shall be used prefereably by small- and medium sized enterprises and local firms. The investment shall support projects to revitalise brownfield sites for business use corresponding to the target of at least 76000 m3 of built-up space.

The investment shall be completed by 31 December 2025.

N.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					unit of measure	Base line	Goal	Quarter	Year	
154	Investment 1: Support for revitalisation of specific areas	Milestone	Award of all public contracts for projects revitalising specific brownfields	Notification of the award of all public contracts for projects revitalising specific brownfields by the Ministry of Regional Development				Q4	2023	Announcement of a subsidy program for specific brownfield site regeneration (project preparation, land preparation, investment projects) following the preparation of a subsidy program, which requires formal approval by the Ministry of Finance. The projects shall both be aimed at supporting demolition and energy-efficient construction as well as energy-efficient renovation. Concerning energy-efficient construction, the calls shall specify that the new buildings supported by the projects shall have a Primary Energy Demand (PED) that is at least 20 % lower than the NZEB requirement. After evaluating the call, there shall be a list of recommended projects for support. Projects shall be pre-selected and recommended by regional permanent conferences. Every region shall recommend at least one project to be supported. At least one industrial site shall be supported in each region of Czechia, with the list of supported brownfields including the sites of Terezin and Josefov. Formal control of the projects shall be taken by the State Investment Fund.
155	Investment 1: Support for revitalisation of specific areas	Target	Completion of energy-efficient revitalisation projects of specific brownfields		Number of projects	0	14	Q4	2025	30 % of the investment under this measure shall be aimed at supporting demolition and energy-efficient construction, and 70 % shall be aimed at supporting energy-efficient renovation of buildings on brownfield sites. As to the funding of demolition and energy-efficient construction, it shall be ensured that the supported projects are such that (i) new buildings shall have a Primary Energy Demand (PED) that is at least 20 % lower than the NZEB requirement; (ii) deep renovation is not possible due to technical, health/safety or fit-for-purpose reasons; (iii) a maximum of 5 % new land shall be used at the place where the former building was located. This excludes the possibility of demolishing buildings in one place and constructing a building on another site instead.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					unit of measure	Base line	Goal	Quarter	Year	
										Concerning the support of renovation activities, it shall be ensured that at least 90% of the costs shall support energy-efficiency renovations. The total budget executed for this purpose over the duration of the measure shall amount to at least EUR 79 000 000.
156	Investment 2: Support for the revitalisation of areas in public ownership for non-business use	Milestone	Award of all public contracts for the regeneration of publicly owned brownfields for non-business use	Notification of the award of all public contracts by the Ministry of Regional Development				Q4	2023	Announcement of calls for regeneration of publicly owned brownfields following the preparation of a subsidy program, which requires formal approval by the Ministry of Finance. The projects shall both support energy-efficient renovation and measures aimed at turning industrial sites and contaminated land into a natural carbon sink. Projects shall be contracted in two phases: first, by 31 December 2022, at least 35 projects shall be contracted. Second, by 31 December 2023, at least 10 additional projects shall be contracted.
157	Investment 2: Support for the revitalisation of areas in public ownership for non-business use	Target	Completion of energy efficient revitalisation projects of brownfields owned by municipalities and regions for non-business use		Number of m2 of revitalised buildings footprint	0	94 000	Q4	2025	80 % of the investment shall support energy-efficient renovation, and 20 % shall be aimed at measures aimed at turning industrial sites and contaminated land into a natural carbon sink. Overall, at least 45 projects shall be completed. Concerning the support of renovation activities, it shall be ensured that at least 90 % of the costs shall support energy-efficiency renovations.
158	Investment 3: Support for the revitalisation of areas in public ownership for business use	Milestone	Award of all public contracts for the regeneration of publicly owned brownfields for business use	Notification of the award of all public contracts by the Ministry of Industry and Trade				Q4	2023	Announcement of calls for regeneration of publicly owned brownfields following the preparation of a subsidy program. The projects shall both be aimed at supporting demolition and energy-efficient construction as well as energy-efficient renovation. Concerning energy-efficient construction, the calls shall specify that the supported projects are such that new buildings shall have a Primary Energy Demand (PED) that is at least 20 % lower than the NZEB requirement. Projects shall be contracted in two phases: first, by 31 December 2022, at least 15 projects shall be contracted. Second, by 31 December 2023, at

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					unit of measure	Base line	Goal	Quarter	Year	
										least 5 additional projects shall be contracted.
159	Investment 3: Support for the revitalisation of areas in public ownership for business use	Target	Completion of energy efficient revitalisation projects of brownfields owned by municipalities and regions for business use		Number of m3 of built-up space	0	76 000	Q4	2025	30 % of the investment under this measure shall be aimed at supporting demolition and energy-efficient construction, and 70 % shall be aimed at supporting energy-efficient renovation of buildings on brownfield sites. Overall, at least 20 projects shall be completed. As to the funding of demolition and energy-efficient construction, it shall be ensured that the supported projects are such that (i) new buildings shall have a Primary Energy Demand (PED) that is at least 20 % lower than the NZEB requirement; (ii) deep renovation is not possible due to technical, health/safety or fit-for-purpose reasons; (iii) a maximum of 5 % new land shall be used at the place where the former building was located. This excludes the possibility of demolishing buildings in one place and constructing another building on another site instead. Concerning the support of renovation activities, it shall be ensured that at least 90 % of the costs shall support energy-efficiency renovations. The supervisory company of the grant provider (Ministry of Industry and Trade) shall carry out an on-site inspection of the work performed and compliance with project documentation and the calls for tender.

O. COMPONENT 2.9: PROMOTION OF BIODIVERSITY AND FIGHT AGAINST DROUGHT

This component of the Czech recovery and resilience plan contributes to addressing the challenges arising from low water retention and the impact of climate change in Czechia. The component aims at improving the protection against drought and floods by increasing water retention in the landscape and in urban areas. Investments in the protection of Natura 2000 network sites and Specifically Protected Areas (SPAs) are also planned.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the recovery and resilience plan in accordance with the DNSH Technical Guidance (2021/C58/01).

In order to ensure that the measure complies with the 'Do no significant harm' Technical Guidance (2021/C58/01), the eligibility criteria contained in terms of reference for upcoming calls for projects shall require that only activities that comply with relevant EU and national environmental legislation can be selected, namely the Water Framework Directive, Floods Directive, Habitats and Birds Directive, Environmental Impact Assessment and Strategic Environmental Assessment Directives.

O.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Amendment to the Water Management Act

The objective of the reform shall be to amend the Water Management Act, in order to tackle droughts and water scarcity in a more systematic way. The amendment shall define the framework for prevention and monitoring of droughts, the responsibilities of relevant authorities and control mechanisms. It shall aim at the establishment of regional commissions with a mandate to issue a declaration of "state of water scarcity" and apply corresponding limitations on the use of water in the region, pursuant to droughts management plans.

The implementation of the reform shall be completed by 31 December 2024.

Investment 1: Protection against droughts and floods of the city of Brno

This investment shall aim at strengthening Brno city's flood defences and at revitalising the River Svratka. The realisation of the project shall consist of nature-based solutions such as natural spill of the increased water-level of the basins in meadows, establishment of natural pools, meadows, floodplains, and creation of wetlands. Nature-based solutions shall be implemented on the Svratka river, mostly upstream of Brno city.

The realisation of the investment shall be completed by 31 December 2025.

Investment 2: Rainwater Management in urban agglomerations

This investment shall aim at slowing-down run-offs and at retention and accumulation of water in urban agglomerations through surface twisting, absorption strips and reservoirs, rain gardens, underground traps, drainage, storage underground reservoirs and green roofs.

The realisation of the investment shall be completed by 31 December 2025.

Investment 3: Management of Natura 2000 sites and protected species of plants and animals

This investment shall aim at enhancing the ecological stability of landscapes and biodiversity in Czechia. It shall consist of the elaboration and adoption of management plans for restoration and revitalisation of Natura sites 2000 (Special Protection Areas and Sites of Community Importance) as well as nationally protected sites. The investment shall achieve

the favourable conservation status by implementing conservation measures set in the nature management plans.

The realisation of the investment shall be completed by 31 December 2025.

Investment 4: Adaptation of aquatic, non-forest and forest ecosystems to climate change

This investment shall aim at enabling systemic water retention in the landscape (based on a water retention potential assessment). It shall consist of the implementation of actions such as improving the species and spatial composition of forests; at protecting non-forest habitats; at the creation or restoration of wetlands and ponds; at the revitalisation of watercourses, restoration of landscape elements (besides others to divide large plots of agricultural land), planting of trees outside forested areas and other related actions.

The realisation of the investment shall be completed by 31 December 2025.

O.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
160	Reform 1: Amendment to the Water Management Act	Milestone	Amendment to the Water Management Act (Act No. 254/2001 Coll.) aiming at a systemic approach to management of drought and water scarcity.	Entry into force of the Amendment to the Water Management Act (Act No. 254/2001 Coll.)				Q4	2024	The amendment to the Water Act defining the framework for the prevention of droughts and water scarcity by the monitoring of droughts, the establishment of control mechanisms and definition of responsibilities of competent authorities shall be adopted. A regional and a central commission for the prevention, monitoring and management of drought and water scarcity shall be established. Regional and national drought plans shall be developed and approved. Amendment to the Act shall be in compliance with the applicable EU acquis, namely Directive 2000/60/EC.
161	Investment 1: Protection against droughts and floods of the city of Brno	Milestone	Notification of award of contracts for projects aiming at the protection against droughts and floods of the city of Brno.	Notification of award of all contracts.				Q4	2022	Notification of all contracts awarded for projects aiming at the protection against droughts and floods of the city of Brno.
162	Investment 1: Protection against droughts and floods of the city of Brno	Target	Completion of nature-based flood protection measures to protect the city of Brno		Number of project	0	1	Q4	2025	The implementation of the project shall lead to the creation of a set of close to nature flood protection measures in the section of the river Svratka. The flood protection measures shall include: • Improvement of the morphology of the water course bed • Adjustment of land banks to milder and more variable slopes and their eventual stabilization. • Planting of accompanying trees together with grassing of the banks and the surroundings of the watercourse.

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
										• Opening of floodplains for floods and their modifications (eg construction of a wetland). The flood protection measure shall consist mostly of nature-based solutions conducted upstream of the city of Brno and shall be in line with the National Action Plan for Climate Change Adaptation and State Policy of the Environment in the Czech Republic 2030 with a view to 2050. • Accompanying measures, which cannot be avoided by any means, and which are strictly necessary for the implementation of the measures above.
163	Investment 2: Rainwater management in urban agglomerations	Target	Increase of the volume of rainwater retained by rainwater management measures in urban areas		Volume of m3 of rainwater retained	0	40 000	Q4	2025	Completion report submitted by an independent body. This measure shall include surface absorption and retention green measures, rain gardens, underground rainwater retention devices, surface and underground retention storages.
164	Investment 3: Protected areas including Natura 2000 sites and protected species of plants and animals	Target	Completion of projects aiming at the conservation of protected areas including Natura 2000 sites and of protected species of plants and animals.		Hectares	0	2 625	Q4	2025	Completion report submitted by the Ministry of Environment. The investment shall achieve the favourable conservation status by implementing conservation measures set in the nature management documents. It shall complete the designation of protected areas including Natura 2000 sites and elaboration of management documents containing conservation objectives and measures for protected areas including Natura 2000 sites.
165	Investment 4: Adaptation of aquatic, non-forest and forest ecosystems to	Milestone	Completion of projects aiming at adapting aquatic, non-forest and forest	Completion report by independent engineer certified by				Q4	2025	Submission of completion report by independent engineer certified by the Ministry of Environment. Projects shall contribute to improve the species and spatial composition of the forest on an area of 200 ha; shall provide care for valuable non-forest terrestrial habitats in a total area of 1250

Seq. Num.	Related Measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
	climate change		ecosystems to climate change	the Ministry of Environment						ha; shall create and restore wetlands, ponds and small reservoirs in the total area of 48 ha; revitalize watercourses in the total area of 4 ha and shall implement the planting of 32 thousand pieces of woody plants outside the forest.
166	Investment 4: Adaptation of aquatic, non-forest and forest ecosystems to climate change	Target	Assessment of water retention potential and proposal of concrete measures		Km2	0	5000	Q4	2025	Territories of small river basins shall be assessed in terms of their water retention potential, pre-feasibility studies shall be carried out, discussed with stakeholders and agreed with landowners. Detailed project documentation shall be elaborated only for selected water retention measures, based on a binding declaration of interest by landowners.
167	Investment 4: Adaptation of aquatic, non-forest and forest ecosystems to climate change	Target	Implementation of proposed selected water retention measures		% of the selected territory used for water retention measures	0	10	Q4	2025	Selected proposed measures shall be implemented based on the assessment of water retention potential, pre-feasibility studies and detailed projects

P. COMPONENT 3.1: INNOVATION IN EDUCATION IN THE CONTEXT OF DIGITALISATION

This component of the Czech recovery and resilience plan contributes to addressing the challenges related to the digital transition of the education system, in particular strengthening digital literacy and computational thinking of pupils and fostering the use of digital technologies by teachers. This shall be achieved by revising the curricula for primary and secondary education in order to reinforce IT education, extend its scope to advanced digital technologies and foster digital skills across the educational areas. It shall also promote digital skills of teachers and improve the level of digital equipment in schools. The component also aims at addressing the digital divide, exacerbated by the prolonged school lockdown, by setting up a fund for mobile digital devices at the disposal of disadvantaged pupils and students. The ultimate objective of the component is to adapt education to the changing needs of the labour market, address the lack of IT specialists and advanced digital skills across the labour force, and ensure long-term employability.

The reforms under the component support addressing country-specific recommendation 2, 2019, according to which Czechia shall increase the quality and inclusiveness of the education and training systems, including by fostering technical and digital skills and promoting the teaching profession, and country-specific recommendation 2, 2020, according to which Czechia shall support employment through active labour market policies, the provision of skills, including digital skills, and access to digital learning.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01).

P.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Curricula reform and strengthening of IT education

The reform includes a revision of the curricula of primary, lower-secondary schools and upper-secondary (*gymnázium*) schools with a view to promote digital literacy and IT skills. Teaching of informatics shall be reinforced in terms of hours taught. It shall also be extended to new areas such as data processing and modelling, coding and programming, robotics and advanced digital technologies (augmented reality, virtual reality, 3D printing). In addition, the new curricula foresee that those digital skills shall be developed as a key competence across all educational areas, including non-IT subjects. The revision of the curricula for primary and lower-secondary schools and *gymnázia* shall be approved by 30 September 2021. Schools are expected to phase in the new curricula gradually. The deadline for full compliance with the new curricula shall be set at 1 September 2023 for primary schools, 1 September 2024 for lower-secondary schools and 1 September 2025 for *gymnázia*.

The reform shall therefore be fully completed by 1 September 2025.

Investment 1: Implementation of the revised curriculum and digital skills of teachers

The measure aims at supporting the implementation of the revised curricula and the Framework of Teacher's Digital Skills (DigCompEdu) in schools. The support shall be demand-driven and reach at least 4000 schools. It shall consist of:

- financial support for training of teachers in digital skills and IT literacy as required by the revised curricula;

- guidance (workshops, webinars, individual counselling) for headmasters, school ICT coordinators, curricula coordinators and IT teachers with a view to help effectively implement the curricula reform;
- creation by 31 December 2024 of a digital platform providing teachers with access to existing databases with education content (such as online teaching material, webinars, e-learning courses).

The investment shall be completed by 31 March 2026.

Investment 2: Digital equipment for schools

The first aim of the investment is to prevent digital exclusion by ensuring that digital equipment is accessible to all pupils. The investment shall address the growing inequalities in education, which have been further aggravated by the prolonged school lockdown. As a first step, funding of ICT equipment for distance learning was to be provided to schools by 31 December 2020 in order to allow for distance learning during the school lockdown, including for pupils from disadvantaged socio-economic backgrounds. As a second step, further funding shall be provided to schools to set up a fund for mobile digital devices for disadvantaged pupils by 31 December 2025. The funds shall be allocated to schools based on criteria reflecting whether the school is located in a socially excluded area and the estimated number of pupils who need digital mobile devices to borrow. Schools shall acquire 70 000 devices supporting 70 000 pupils in need.

The second aim of the investment is to ensure that schools are adequately equipped with both basic and advanced digital technologies to support digital literacy and implement the revised curricula under reform 1 of this component. Of the total of approx. 10 000 kindergartens, primary and secondary schools, at least 9 260 shall be equipped by 31 March 2024 with basic and advanced digital technologies (such as augmented reality, virtual reality, robotics and 3D printing). Provision of funding shall be accompanied by technical assistance for schools in order to ensure efficient spending of funds. This technical assistance shall be delivered to schools either through centrally-provided guidance (a dedicated website, webinars, online evaluation tools, examples of good practices), or through a new network of IT counsellors (“IT gurus”) at the regional level who shall provide targeted mentoring to schools on the purchase of IT equipment, setup of IT administration, connectivity and internal school networks. The IT guru network shall support at least 1120 schools in the period between 1 January 2022 and 31 December 2025, that is about one fifth of schools, with a particular focus on smaller rural schools, which have the greatest IT diffusion challenges.

The investment shall be completed by 31 March 2026.

P.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
168	Reform 1: Curricula reform and strengthening of IT education	Milestone	Approval of new curricula strengthening digital literacy and computational thinking	Approval of new curricula for primary, lower-secondary schools and *gymnázia* by the Ministry of Education, Youth and Sports				Q3	2021	The new curricula shall • reinforce education of Informatics in terms of teaching hours • extend the coverage of informatics to new areas, such as data processing and modelling, coding and programming, robotics, augmented reality, virtual reality and digital technology. • Introduce the digital competence as one of the key competences • promote the use of digital technologies across educational areas, including non-IT subjects.
169	Reform 1: Curricula reform and strengthening of IT education	Milestone	Implementation by schools of new curricula strengthening digital literacy and computational thinking	Implementation of the new curricula by primary, lower-secondary schools and *gymnázia*				Q3	2025	Implementation of the new curricula by schools will be gradual. Full compliance with the new curricula shall be achieved by 1 September 2023 by primary schools, by 1 September 2024 by lower-secondary schools and by 1 September 2025 by gymnázia.
170	Investment 1: Implementation of the revised curriculum and digital skills of teachers	Milestone	Creation of a digital platform for effective sharing of educational resources	A digital platform fully operational				Q4	2024	The digital platform under the responsibility of the Ministry of Education, Youth and Sports shall provide teachers with access to existing education content (e.g. digital educational resources, webinars, e-learning courses). It shall establish links to existing databases of digital education materials.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
171	Investment 1: Implementation of the revised curriculum and digital skills of teachers	Target	Number of schools which received support to imúplement new IT curricula (digital skills of teachers and guidance)		Number	0	4 000	Q1	2026	The support to implement the new curricula shall target primary and lower secondary schools. It shall consist of • training of teachers in digital skills and IT literacy • guidance (workshops, webinars, individual counselling) for headmasters, school ICT coordinators, curricula coordinators and IT teachers
172	Investment 2: Digital equipment for schools	Target	Number of digital devices purchased by schools for distance learning		Number	0	74000	Q4	2020	At least 74 000 digital devices (tablets, laptops, mobile phones, etc.) are purchased by schools for distance learning. At least 4102 primary and secondary schools received funding for IT equipment for distance learning.
173	Investment 2: Digital equipment for schools	Milestone	Number of IT devices purchased for the school fund of mobile digital devices for disadvantaged pupils		Number	0	70 000	Q4	2025	The purchase of 70 000 devices shall support 70 000 pupils in need. At least 80% of schools set up a fund for mobile digital devices for disadvantaged pupils. This IT equipment is additional to equipment referred to in Target 159.
174	Investment 2: Digital equipment for schools	Target	Number of schools supported with digital technologies and equipment to promote digital literacy and implement the new IT curricula		Number	0	9 260	Q1	2024	Of the total of approximately 10 000 schools, at least 9 260 schools are equipped with both basic and advanced digital technologies necessary for promoting digital literacy and teaching new informatics according to the revised curricula.
175	Investment 2: Digital equipment for schools	Target	Number of schools supported in counselling and mentoring on IT		Number	0	1 120	Q1	2026	At the regional level, a network of regional IT counsellors shall provide targeted mentoring and counselling to at least 1120 schools on the purchase of IT equipment, connectivity, setup of IT administration, and internal school networks.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
			equipment and internal IT systems							Counselling through the regional IT counsellors shall be complemented by centrally-provided, methodological guidance, such as a dedicated website, webinars, good practice sharing, and online evaluation tools.

Q. COMPONENT 3.2: ADAPTATION OF SCHOOL PROGRAMMES

This component of the Czech recovery and resilience plan contributes to addressing challenges in the fields of tertiary and primary and lower-secondary education, respectively. At the level of tertiary education, the component aims at increasing the capacities of universities and adapting the study programmes to new forms of learning and new fields, in particular digital expertise, in line with changing needs of the labour market. Also, new university facilities shall be supported to expand and modernise tertiary education in the area of medical and pharmaceutical science. At the level of primary and lower-secondary education, the component aims at addressing growing inequalities in education by providing a multi-layered support to disadvantaged schools, additional tuition to pupils at risk of failure and by strengthening the abilities of teachers and professionals to teach heterogeneous classes.

The component supports addressing the country-specific recommendation 2, 2019, according to which Czechia shall increase the quality and inclusiveness of the education and training systems, including by fostering technical and digital skills and promoting the teaching profession, and country-specific recommendation 2, 2020, according to which Czechia shall support employment through active labour market policies, the provision of skills, including digital skills, and access to digital learning.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01).

Q.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Transformation of universities to adapt to new forms of learning and changing needs of the labour market

The objective of the reform is to initiate and accelerate transformation of universities as regards both the content and forms of learning. Regarding the content, the range of study programmes shall be adjusted to new trends and changing needs in the labour market, in particular to the digital transformation. The identification of priority sectors shall be made at the national level, in consultation with the social partners. The academic focus of the existing study programmes shall also be adjusted to include a significant share of work-based learning to better match the needs of the labour market. The reform shall also facilitate transition to new, mainly digital forms of learning, such as blended learning and distance learning. This shall require investment in digital equipment and technologies and training of university staff in digital skills and modern teaching methods. The measure shall also focus on development of those capacities, which would allow universities to provide reskilling and upskilling courses, in particular for workers in knowledge-intensive areas.

The support shall be channelled to universities through an open call administered by the Ministry of Education, Youth and Sports. It is expected that at least 20 universities shall be supported. At least 35 new study programmes shall receive accreditation, including:

- at least 15 study programmes in the priority fast-growing, high value-added sectors, suffering from a lack of highly-skilled specialists, such as cybersecurity, artificial intelligence, Industry 4.0, e-government services.
- at least 20 additional study programmes (Bachelor or Master) with a professional profile.

In addition, at least 20 new life-long learning courses (including micr-credentials) shall be offered by universities.

The reform and the accompanying investment shall be completed by 31 March 2026.

Investment 1: Development of selected key academic sites

The investment consists of expanding the facilities of universities in the area of medicine, biomedicine and pharmaceutical science. The new facilities shall allow for innovation of academic programmes, expansion of practical teaching, development of interdisciplinary research and increased internationalisation. The ultimate aim is to increase the share of students of medicine and pharmacy, thereby addressing the lack of healthcare professionals in Czechia. The investment includes construction and equipment of new academic facilities in three university campuses:

- MEPHARED 2 – merger of fragmented academic sites of the Faculty of Medicine and the Faculty of Pharmacy of Charles University in Hradec Králové
- Biocentrum – new facilities for medical, biomedical natural studies and science in the Alberov Campus of Charles University in Prague
- Biopharma Hub – new facilities for pharmaceutical and biomedical studies allowing to link the Faculty of Pharmacy with the single academic site of the Masaryk University in Brno.

The investments shall be completed by 30 June 2026.

Reform 2: Support of disadvantaged schools

The aim of the reform is to tackle growing disparities between educational results of schools and to ensure equal access to quality education. This shall be achieved through comprehensive support of the most vulnerable schools with an above-average proportion of pupils with disadvantaged socio-economic backgrounds. A programme of targeted support shall be developed and implemented for schools in socially excluded areas and segregated schools, as well as schools with a higher proportion of pupils with a different mother tongue. The support shall focus on training for teachers to work with heterogeneous groups and disadvantaged pupils, as well as on effective cooperation with school psychologists, teachers' assistants and school social workers.

Based on the outcomes of the support programme, a reform of financing of schools shall be presented introducing index funding to reflect the level of socio-economic disadvantage. This shall allow for reinforced funding of the most vulnerable schools on a systematic basis, thereby increasing the quality of their education and narrowing disparities between schools.

The reform shall be completed by 31 December 2025.

Investment 2: Tutoring of pupils

The investment aims at providing catch-up classes for pupils with a disadvantaged socio-economic background, whose educational outcomes deteriorated due to the prolonged school lockdown. Based on reports by the Czech School Inspection, it is estimated that 500 000 pupils lag behind and need tutoring due to insufficient participation in online learning during the ten-month school lockdown. The investment shall thus prevent further widening of inequalities between pupils and schools driven by social or other disadvantages. The support to pupils at risk of failure shall be temporary, limited to the recovery phase following return of pupils to full-time education. It shall help restore the learning habits and acquire the knowledge prescribed by the curricula in mathematics, the Czech and foreign languages.

The investment shall be completed by 31 December 2023.

Q.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
176	Reform 1: Transformation of universities to adapt to new forms of learning and changing needs of the labour market	Milestone	Launch of a programme to support transformation of universities	Launch of the programme by the Ministry of Education				Q2	2022	The programme shall support adaptation of universities to new forms of learning and introduction of new study programmes. The sectors to be supported from the programme shall be identified on the basis of an analysis of economic data, in consultation with the social partners. Focus shall be on fast-growing, high value-added sectors suffering from a lack of highly-skilled specialists, such as cybersecurity, artificial intelligence, Industry 4.0 or e-government services. The objective is to support at least 20 universities.
177	Reform 1: Transformation of universities to adapt to new forms of learning and changing needs of the labour market	Target	Number of new accredited study programmes		Number	0	35	Q1	2026	At least 35 new study programmes shall receive accreditation, of which: - at least 15 study programmes shall fall under the sectors identified as fast-growing, high value-added sectors suffering from a lack of highly-skilled specialists; - at least 20 new study programmes (Bachelor or Master) shall have a professional profile.
178	Reform 1: Transformation of universities to adapt to new forms of learning and changing needs of the labour market	Target	Number of new reskilling and upskilling courses		Number	0	20	Q1	2026	At least 20 new courses focused on upskilling os reskilling (including micro-credential forms) shall be cerated and offered by universities.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
179	Investment 1: Development of selected key academic sites	Milestone	Award of contracts for the construction of new university facilities	Notification of the award for the construction of new university facilities				Q2	2024	Notification of the award of the public contracts for construction of new university facilities with the objective of 100 000 m2 of new university area including material equipment, broken down: 1. Mephared 2 (Charles University, Hradec Králové) – 58 092 m² 2. Biocentrum (Charles University, Prague-Albertov) – 33 934 m² *3.* BiopharmaHub (Masaryk University, Brno) – 19 035 m²
180	Investment 1: Development of selected key academic sites	Target	Number of square metres of new university area		number	0	100 000	Q2	2026	Of the overall objective to construct 111 000 m², at least 100 000 m² of new university areas shall be constructed.
181	Reform 2: Support of disadvantaged schools	Target	Number of disadvantaged schools supported		Number	0	400	Q4	2025	The programme shall provide support to at least 400 schools with a high proportion of disadvantaged pupils. The support shall focus on training for teachers to work with heterogeneous groups and disadvantaged pupils. The selection of schools shall be carried out by the National Institute of Pedagogy in cooperation with the Czech School Inspection, based on a set of criteria, such as the proportion of disadvantaged pupils, the proportion of pupils with different mother tongues and the educational outcomes of the school.
182	Reform 2: Support of disadvantaged schools	Milestone	Proposal of a new system of financing of schools according to socio-economic	Approval by the Ministry of Education, Youth and Sports of the proposal				Q4	2025	The proposal for index funding shall be based on the results of the support programme for disadvantaged schools under Reform 2 (Support of disadvantaged schools). The index shall take into account several indicators of the socio-economic advantage of schools, such as educational outcomes, proportion of pupils with a social or other disadvantage and

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
			disadvantage	for index funding						proportion of pupils with different mother tongue.
183	Investment 2: Tutoring of pupils	Target	Number of pupils who received tutoring		Number	0	500 000	Q4	2023	Tutoring shall be provided to at least 500 000 pupils at risk of school failure. Tutoring shall help pupils restore learning habits and acquire the knowledge prescribed by the curricula in mathematics, the Czech and foreign language.

R. COMPONENT 3.3: MODERNISATION OF EMPLOYMENT SERVICES AND LABOUR MARKET DEVELOPMENT

This component of the Czech recovery and resilience plan contributes to addressing several challenges in the area of labour market and social care. First, it aims at increasing the adaptability of the labour force by developing its skills, in particular in the digital field. Second, it aims at tackling persistent gender inequalities in the labour market, in particular the low labour market participation of women with small children. Third, the component aims at modernising and expanding social services in compliance with the principles of deinstitutionalisation and independent living, as described in the UN Convention on the Rights of Persons with Disabilities.

The component supports addressing country-specific Recommendation 2, 2019, according to which Czechia shall foster the employment of women with young children, including by improving access to affordable childcare, and of disadvantaged groups, and country-specific Recommendation 2 2020, according to which Czechia shall support employment through active labour market policies, the provision of skills, including digital skills, and access to digital learning.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01).

R.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Development of labour market policies

The objective if this reform is to promote life-long learning in Czechia. The reform consists of a number of systemic measures:

- setting up a tripartite mechanism, by 31 March 2022, involving the Ministry of Labour, the Ministry of Education, employers and trade union representatives, to coordinate development of life-long learning programmes in line with the actual and anticipated demand for skills;
- creating by 31 December 2023 a database of reskilling and upskilling courses which shall increase the offer of retraining courses and improve matching of supply and demand; the database shall comprise both reskilling programmes certified according to the Employment Act, but also courses offered by vocational schools and higher education institutions;
- expanding the target groups that can participate in retraining organised by the Labour Office to employed people at risk of outplacement and employed people seeking upskilling; this is expected to increase the demand for and uptake of further education;
- establishment, by 31 December 2025, of at least 14 regional training centres (under the responsibility of the Labour Office) sufficiently equipped to provide life-long learning in the area of digital technologies and Industry 4.0; this shall allow for reinforced cooperation with regional vocational schools and a more flexible provision of reskilling courses according to the actual needs of the regional labour market (without the need to tender requalification programmes);

- a legislative amendment, by 31 December 2025, to increase the flexibility and effectiveness of retraining courses organised by the Labour Office and to better target support to the most vulnerable groups.

The reform measures shall be completed by 31 December 2025.

Reform 2: Ensuring sustainable financing of childcare facilities

The objective of this measure is to foster the availability of affordable childcare for children below three in order to facilitate return of parents, in particular mothers, to work after parental leave. The reform shall consist of an amendment of the law on pre-school care, which shall ensure stable financing of facilities for children below three years of age. The legislative amendment shall also aim at ensuring access to affordable childcare for children below three in all regions of Czechia.

The reform shall be completed by 31 December 2023.

Reform 3: Reform of long-term care

The reform aims at addressing the challenge of fragmented governance and financing of long-term care and a low proportion of community-based and home-based services in Czechia. The measure consists of a legislative reform, which shall aim at integrating health and social long-term care, ensure a stable system of adequate financing of quality long-term services, provide incentives for community-based and home-based care, allow access of private providers and improve supervision of social care. By 31 December 2022, a system for mapping social and long-term needs is expected to be established and an action plan for deinstitutionalisation is expected to be adopted.

The reform shall be completed by 31 December 2023.

Investment 1: Development of labour market policies

The measure aims at increasing the adaptability of the labour force to the changing needs of the labour market. The measure comprises mainly projects in reskilling and upskilling, with a focus on people with reduced capacity to adapt to changing labour market conditions.

Provision of skills shall, on the one hand, ensure the supply of skilled labour, which is a prerequisite for competitiveness, and on the other hand prevent unemployment and foster social cohesion. Upskilling or reskilling shall be provided by 31 December 2025 to 130,000 people in digital skills or other skills required by the digital transition and Industry 4.0. Out of this number, 65,000 people are expected to receive support through the Czech Labour Office and further 65,000 shall be supported through professional training provided directly by employers (preference shall be given to the SMEs and the self-employed).

The investment shall be completed by 31 December 2025.

Investment 2: Increasing the capacity of childcare facilities

The investment aims at increasing the availability of childcare services for children under the age of three. This shall help address the low labour market participation of women with small children and reduce the persistent gender inequalities in the labour market, which translate into a high gender employment gap, pay gap and pension gap. The investment also aims at increasing access to childcare for families with lower incomes who cannot afford the existing childcare services, which further exacerbates the risk of social exclusion and weak educational outcomes of their children. It is expected that the investment shall increase the number of child groups and nurseries by 40%. The investment shall include:

- investment into new nurseries. Of the overall objective to establish 435 new nurseries, at least 391 shall be created;

- refurbishment of existing facilities to comply with the new technical standards (hygiene and fire safety) set by the amendment of the Child Group Act or to expand capacity. Of the overall objective to refurbish 370 facilities, at least 333 shall be refurbished.

Investment in new capacities shall contribute to climate objectives by increasing energy efficiency as follows:

- 25% shall be allocated to new constructions with primary energy demand at least 20% below the nearly zero-energy buildings requirement.
- 45% shall be allocated to energy efficiency renovations, achieving on average either at least 30% primary energy savings or at least a 30% reduction of direct and indirect greenhouse gas emissions.
- 30% shall be allocated to other energy efficiency renovations.

The investment shall be completed by 31 December 2025.

Investment 3: Development and modernisation of social care infrastructure

This measure aims at addressing the lack of social care infrastructure and the need to support the transition towards community-based social and long-term care in the Czech Republic.

Investments shall support the establishment of additional social care facilities infrastructure, either by reconstruction of existing building or by new constructions. These investment projects shall be implemented by the autonomous municipalities based on the assessment of territorial needs; ensuring that new and refurbished residential places are aligned to the UN Convention on the Rights of Persons with Disabilities. Investment into home-based and community-based care settings shall be favoured and the principle of freedom of choice and independent living shall be respected for all investment projects. Investment in new capacities shall contribute to climate objectives by increasing energy efficiency as follows:

- one third of the allocation shall support new constructions with primary energy demand at least 20% below the nearly zero-energy buildings requirement.
- one third of the allocation shall be earmarked for renovations achieving on average either at least 30% primary energy savings or at least 30% reduction of direct and indirect greenhouse gas emissions;
- one third of the allocation shall be earmarked for renovations achieving on average neither at least 30% primary energy savings nor at least 30% reduction of direct and indirect greenhouse gas emissions.
- At least 100 electric vehicles and at least 151 plug-in hybrids shall be purchased for social prevention, counselling and home-care services.

The investment shall be completed by 31 December 2025.

R.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
184	Reform 1: Development of labour market policies	Milestone	Establishment of the tripartite Re-skilling and Upskilling Committee	Entry into force of a decree establishing a permanent Reskilling and Upskilling Committee of the Council of Economic and Social Agreement (tripartite)				Q1	2022	The Reskilling and Upskilling Committee shall coordinate development of life-long learning in line with the actual and anticipated demand for skills. It shall consists of the representatives of the Ministry of Labour and Social Affairs, Ministry of Education, Youth and Sports, employers associations and trade unions
185	Reform 1: Development of labour market policies	Milestone	Entry into force of the amended Employment Act increasing efficiency of employment services and better targeting of most vulnerable groups	Provision in the amended Employment Act indicating the entry into force of the amended Employment Act				Q4	2025	The law shall • Provide a definition of disadvantaged people in the labour market • better target support to the most vulnerable groups (especially the low-skilled , excluded persons or at risk of social exclusion) • increase the flexibility and effectiveness of retraining courses organised by the Labour Office
186	Reform 1: Development of labour market policies	Milestone	Database of reskilling and upskilling courses	Public database of upskilling and reskilling courses put in				Q4	2023	The database shall comprise upskilling and reskilling programmes certified according to the Employment Act (provided by the Labour Office) as well as courses offered by vocational schools, higher education institutions and other providers

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
				operation						
187	Investment 1: Development of labour market policies	Target	Number of people who received reskilling and upskilling in digital skills and skills needed for Industry 4.0		Number	0	130 000	Q4	2025	At least 65 000 people shall receive upskilling or reskilling in digital skills. In addition, at least 65 000 people shall receive upskilling or reskilling in skills needed for Industry 4.0. Support to upskilling and reskilling shall be provided through the Czech Labour Office or through company-based training provided by employers. Selection criteria shall ensure that preference shall be given to the SMEs and the self-employed.
188	Reform 1: Development of labour market policies	Target	Number of regional training centres established to promote Industry 4.0		Number	0	14	Q4	2025	At least 14 training centres shall be established, equipped and put in operation (one centre per region). The centres shall be established by the Labour Office. They shall be equipped to provide upskilling and reskilling courses in digital skills and skills needed for transition to Industry 4.0., in cooperation with regional vocational schools.
189	Investment 2: Increasing the capacity of pre-school facilities	Target	Number of refurbished existing pre-school facilities		Number	0	333	Q4	2025	Of the overall objective to refurbish 370 facilities, at least 333 shall be refurbished, to comply with the new technical standards set by the amendment of ct No 247/2014 on the provision of childcare services in a child group (Child Group Act) or to expand capacity.
190	Investment 2: Increasing the capacity of pre-school facilities	Target	Number of new pre-school facilities		Number	0	391	Q4	2025	Of the overall objective to establish 435 new nurseries, at least 391 shall be created, by constructing new buildings and by renovating existing buildings. The investment includes the use of grant support as follows: • At least 98 shall be new constructions with primary energy demand at least 20% below the nearly zero-energy buildings requirement. • At least 176 shall be renovations achieving on

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
										average either at least 30% primary energy savings or at least 30% reduction of direct and indirect greenhouse gas emissions. • At least 117 shall be other energy efficiency renovations.
191	Investment 2: Increasing the capacity of pre-school facilities	Target	Number of new places in pre-school facilities		Number	0	7430	Q4	2025	Creation of at least 7430 new places in pre-school facilities for children below the age of three. These facilities shall be distinct from the facilities financed from other Union funding programmes.
192	Reform 2: Ensuring sustainability of financing of childcare facilities	Milestone	Entry into force of the lawon child care (amendment to Act No 247/2014 on the provision of childcare services in a child group)	Provision in the law on child care (amendment to Act No 247/2014 on the provision of childcare services in a child group) indicating the entry into force of the law				Q4	2023	The law on pre-school child care (amendment to Act No 247/2014 on the provision of childcare services in a child group) shall • ensure stable financing of pre-school facilities for children below three years of age • aim at ensuring access to affordable childcare for children below three years of age in all regions.
193	Reform 3: Reform of long-term care	Milestone	Entry into force of the law on long-term care	Provision in the law on long-term care indicating the entry into force of the law				Q4	2023	The law on long-term care shall • aim at integrating health and social long-term care; • ensure high quality standards for all types of long-term care services; • promote community-based care and home care ensuring independent living in natural environment ;

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
										• ensure a stable system of adequate financing of the long-term care services, including for community-based and home care; • define rules on monitoring of quality of care, requirements for the staff (including qualifications) and equipment; • allow for access of private LTC providers while applying the same rules and quality standards to all providers.
194	Investment 3: Development and modernisation of social care infrastructure	Target	T1: Number of community-based residential facilities constructed or reconstructed		Number of facilities	0	121	Q4	2024	At least 121 facilities shall be created, of which: • 69 facilities shall be new constructions with primary energy demand at least 20% below the nearly zero-energy buildings requirement; • 26 facilities shall be renovated achieving on average either at least 30% primary energy savings or at least 30% reduction of direct and indirect greenhouse gas emissions. • 26 facilities shall be other energy efficiency renovations The facilities shall be built/reconstructed in accordance with the conditions of the UN Convention on the Rights of Persons with Disabilities, in particular the principles of freedom of choice and independent living.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
195	Investment 3: Development and modernisation of social care infrastructure	Target	T2: Number of community-based residential facilities constructed or reconstructed		Number of facilities	121	288	Q4	2025	At least 288 facilities shall be created, of which: • 116 facilities shall be new constructions with primary energy demand at least 20% below the nearly zero-energy buildings requirement; • 106 facilities shall be renovated, achieving on average either at least 30% primary energy savings or at least 30% reduction of direct and indirect greenhouse gas emissions. • 66 facilities shall be other energy efficiency renovations achieving on average neither at least 30% primary energy The facilities shall be built/reconstructed in accordance with the conditions of the UN Convention on the Rights of Persons with Disabilities, in particular the principles of freedom of choice and independent living. The measure is expected to create at least 5000 new beds in social care facilities.
196	Investment 3: Development and modernisation of social care infrastructure	Target	T1: Number of low-emission vehicles purchased for social prevention, counselling and home-care services		Number	0	120	Q4	2023	At least 120 low-emission vehicles shall be purchased, of which: • 40 electric cars • 80 plug-in hybrid cars
197	Investment 3: Development and modernisation of social care infrastructure	Target	T2: Number of low-emission vehicles purchased for social prevention, counseling and home-care services		Number	120	251	Q4	2024	At least 251 low-emission vehicles shall be purchased, of which: • 100 electric cars • 151 plug-in hybrid cars

S. COMPONENT 4.2: NEW QUASI-EQUITY INSTRUMENTS FOR THE PROMOTION OF ENTREPRENEURSHIP AND DEVELOPMENT OF CZECH-MORAVIAN GUARANTEE AND DEVELOPMENT BANK (ČMZRB) AS A NATIONAL DEVELOPMENT BANK

This component of the Czech recovery and resilience plan addresses the challenges concerning the access to finance by small and medium sized enterprises (SMEs).

The objectives of the component are extending the ČMZRB's product line to include a new quasi-equity instrument and strengthening ČMZRB's capacities for its implementation, including the design of internal regulatory procedures and IT systems. An integral part of the reform shall be to update the ČMZRB strategy to include principles for sustainable financing in line with EU environmental objectives with the full application of the 'Do no significant harm principle'.

The component supports addressing the country specific recommendation on supporting small and medium sized enterprises by making greater use of financial instruments to ensure liquidity support (Country Specific Recommendation 3 2019).

S.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Development of the Czech-Moravian Guarantee and Development Bank as a National Development Bank

The purpose of the reform is to strengthen the ČMZRB position as a national development bank, its capacity to implement financial instruments, especially those supporting the objectives of green transition.

The reform shall aim at completing the following objectives:

- Updating of the ČMZRB strategy to include principles for sustainable financing in line with EU environmental objectives.
- Strengthening institutional and human resources to ensure the efficient management of the new type of financial instruments, including through adjustment of internal regulatory procedures of the IT systems for the new product.
- Development of a methodology for project evaluation and selection that complies with "Do no significant harm" (DNSH) Technical guidance (2021/C58/01) requirements and green tagging criteria as established under Annex VI to the RRF Regulation, allowing for support of activities with a climate coefficient of 40% or 100%.

The reform shall be completed by 31 December 2021.

Investment 1: Development of a new line of quasi-equity instruments supporting entrepreneurship

The purpose of the investment is to provide support in the combined amount of EUR 32 400 000 to at least 30 projects fulfilling the environmental and climate criteria on the basis of the new methodology, in line with the new mid-term strategy of the ČMZRB as developed under the Reform part and following a transparent and competitive selection procedure. Support provided under the Czech recovery and resilience plan is expected to mobilise private capital as private co-financing and, in the longer term, increase the core capital of the ČMZRB available for further financing of firms through the financial instruments.

Czechia shall complete the following measures:

- Concluding a funding agreement between the ČMZRB and the Ministry of Industry and Trade, which clearly sets that the projects supported by the ČMZRB under the recovery

and resilience plan shall comply with the objectives of the Regulation (EU) 2021/241, including the DNSH and green tagging criteria, as well as that until 31 December 2026 the reflows from the new quasi-equity instrument shall be re-used only for the purposes of this instrument.

- The extension of the ČMZRB product lines to new quasi-equity instruments supporting SMEs (mezzanine loans). The new instrument shall be a quasi-equity instrument in the sense of subordination to its senior debt, but it shall provide for a project-specific financing.
- Providing aid amounting to a total of at least EUR 32 400 000 million (30 projects) through the financing of investments being in line with the "Do no significant harm" (DNSH) Technical guidance (2021/C58/01) and with a coefficient of climate of 40% or 100% by quasi-equity instruments, following a transparent and competitive procedure.
- In order to ensure that the measure complies with the 'Do no significant harm' Technical Guidance (2021/C58/01), the legal agreement between the Ministries of Industry and Trade, Finance and Local Development and the ČMZRB and the subsequent investment policy of the financial instrument shall:
    i. require the application of the European Commission's technical guidance on sustainability proofing for the InvestEU Fund; and
    ii. exclude the following list of activities and assets from eligibility: (i) activities and assets related to fossil fuels, including downstream use[11]; (ii) activities and assets under the EU Emission Trading System (ETS) achieving projected greenhouse gas emissions that are not lower than the relevant benchmarks[12]; (iii) activities and assets related to waste landfills, incinerators[13] and mechanical biological treatment plants[14]; and (iv) activities and assets where the long-term disposal of waste may cause harm to the environment; and
    iii. require the verification of legal compliance with the relevant EU and national environmental legislation of the beneficiary by the entrusted entity or financial

[11] Except projects under this measure in power and/or heat generation, as well as related transmission and distribution infrastructure, using natural gas, that are compliant with the conditions set out in Annex III of the 'Do no significant harm' Technical Guidance (2021/C58/01).

[12] Where the activity supported achieves projected greenhouse gas emissions that are not significantly lower than the relevant benchmarks an explanation of the reasons why this is not possible should be provided. Benchmarks established for free allocation for activities falling within the scope of the Emissions Trading System, as set out in the Commission Implementing Regulation (EU) 2021/447.

[13] This exclusion does not apply to actions under this measure in plants exclusively dedicated to treating non-recyclable hazardous waste, and to existing plants, where the actions under this measure are for the purpose of increasing energy efficiency, capturing exhaust gases for storage or use or recovering materials from incineration ashes, provided such actions under this measure do not result in an increase of the plants' waste processing capacity or in an extension of the lifetime of the plants; for which evidence is provided at plant level.

[14] This exclusion does not apply to actions under this measure in existing mechanical biological treatment plants, where the actions under this measure are for the purpose of increasing energy efficiency or retrofitting to recycling operations of separated waste to compost bio-waste and anaerobic digestion of bio-waste, provided such actions under this measure do not result in an increase of the plants' waste processing capacity or in an extension of the lifetime of the plants; for which evidence is provided at plant level.

intermediary for all transactions, including those exempted from sustainability proofing.

In order to ensure that the activities are in line with Annex VI to Regulation (EU) 2021/241, the selection criteria shall require that the supported activities comply with the requirements of the applicable intervention fields of Annex VI of that Regulation (with a 40% or 100% coefficient).

The investment shall be completed by 31 December 2025.

S.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Sequ. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
198	Reform 1: Development of the Czech-Moravian Guarantee and Development Bank as a National Development Bank	Milestone	Adoption of the medium-term strategy of the Czech-Moravian Guarantee and Development Bank (ČMZRB) approved by the bank's shareholders (represented by the Ministries of Industry and Trade, Finance and Local Development)	Adoption of the medium-term strategy of the Czech-Moravian Guarantee and Development Bank (ČMZRB)				Q4	2021	The new strategy shall be approved by the bank's shareholders: Ministries of Industry and Trade, Finance and Local development). It shall include provisions on ensuring compliance with the 'Do no significant harm' Technical Guidance (2021/C58/01).
199	Reform 1: Development of the Czech-Moravian Guarantee and Development Bank as a National Development Bank	Milestone	Delivery of a management model for the new quasi-equity instrument	Approval of the implementation plan and internal regulations for the management of the new type of financial instruments by the Board of				Q4	2021	The milestone shall be achieved through the approval of the implementation plan and internal regulations for the management of new type of financial instruments by the Board of Directors of the Czech-Moravian Guarantee and Development Bank (ČMZRB). The new rules shall include conditions and methods of project evaluation ensuring compliance with the "Do no significant harm" (DNSH) Technical guidance (2021/C58/01) and with therequirements of the applicable intervention fields of Annex VI of Regulation (EU) 2021/241 (with a 40% or 100% coefficient). The new rules shall be consulted with market entities and professional advisers.

Sequ. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
				Directors of the Czech-Moravian Guarantee and Development Bank (ČMZRB)						
200	Investment 1: Development of a new line of quasi-equity instruments supporting entrepreneurship	Milestone	Funding agreement with the Czech-Moravian Guarantee and Development Bank as a National Development Bank (ČMZRB)	Signing of the Funding agreement,				Q4	2021	The milestone shall be achieved upon signing the funding agreement between the Czech-Moravian Guarantee and Development Bank as a National Development Bank (ČMZRB) and the Ministry of Industry and Trade. The agreement shall include: 1) investment policy, 2) eligibility criteria, 3) compliance with the 'Do no significant harm' Technical Guidance (2021/C58/01) of supported beneficiaries under this measure through the use of sustainability proofing, an exclusion list and the requirement of compliance with the relevant EU and national environmental legislation. The selection criteria shall require that the supported activities comply with are in line with the requirements of the applicable intervention fields of Annex VI to Regulation (EU) 2021/241 (with a 40% or 100% coefficient). The funding agreement shall specify that the use of reflows from the financial instrument for the Czech-Moravian Guarantee and Development Bank as a National Development Bank (ČMZRB) core capital shall take place only after 2026.
201	Investment 1: Development of a new line of quasi-equity instruments supporting entrepreneursh	Target	Investment of a total of 32 400 000 EUR in quasi-equity instruments supporting sustainable		EUR	0	32 400 000	Q4	2025	The investment shall support with an amount of EUR 32 400 000 at least 30 projects by the end of 2025, in accordance with the investment policy, following a transparent and competitive selection procedure. The projects shall be in line with the "Do no significant harm" (DNSH) Technical guidance (2021/C58/01) and with the

Sequ. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Base line	Goal	Quarter	Year	
	ip		projects of SMEs							relevant requirements of the the applicable intervention fields in Annex VI of Regulation (EU) 2021/241 (with a 40% or 100% coefficient.

T. COMPONENT 4.3: ANTI-CORRUPTION REFORMS

This component of the Czech recovery and resilience plan contributes to addressing the challenge of strengthening the anti-corruption framework of the Czech Republic through the adoption of legislation on whistle-blower protection and lobbying regulation. The reform shall also aim at building analytical databases on corruption, which may subsequently be used in designing and implementing more effective and better targeted anti-corruption measures. The component also includes a reform of the judiciary aiming at strengthening the legislative framework and transparency in the areas of courts, judges, prosecutors and bailiffs.

The component supports addressing the country-specific recommendation 1, 2019, according to which Czechia shall adopt pending anti-corruption measures.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01).

T.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Protection of whistle-blowers

The measure aims at improving the legal safeguards for whistle-blowers and improving the perception of whistle-blowers within the public administration and in civil society. A new legislation is foreseen to ensure effective protection of whistle-blowers against retaliation at work, establishing internal reporting channels for whistle-blowing by public institutions, municipalities and large companies. An external notification system for whistle-blowing shall be set up at the Ministry of Justice. In order to improve the perception of whistle-blowers, an awareness-raising campaign shall be carried out targeting both public administration and judiciary, as well as the general public.

The reform shall be completed by 31 December 2025.

Reform 2: Strengthening the legislative framework and transparency in the areas of courts, judges, prosecutors and bailiffs

The aim of this reform is to establish a transparent and uniform system of recruitment and selection of judges and judicial office-holders based on precise, objective and uniform criteria. Furthermore, the reform aims at regulating in more detail the ancillary activities of judges and to streamline court proceedings involving assessors. It also seeks to strengthen the safeguards of disciplinary proceedings for judges, prosecutors and bailiffs by introducing an appeal review. The reform shall be achieved by the following measures:

- Entry into force, by 31 December 2021, of the law on courts, judges, assessors and state administration of courts (Courts and Judges Act);
- Entry into force by 31 December 2024 of the law on proceedings in cases of judges, prosecutors and bailiffs.

Reform 3: Collection and analysis of data on corruption

The reform aims at obtaining quantitative and qualitative data on the prevalence of corruption and broadening the range of tools to map and analyse the predominant types of corruption in different sectors. This shall be achieved by a research project, which shall identify the extent and forms of corruption in selected sectors in the Czech Republic. The analysis shall result in recommendations of measures to reduce corruption in the selected sectors and is expected to feed into the future anti-corruption strategies of the government. The final research report

shall propose a methodology for the measurement of direct and indirect experience of corruption. The methodology shall be made available to government authorities, non-profit organisations and academic communities for further development and application.

The reform shall be completed by 31 March 2026.

Reform 4: Establishing rules for lobbying

Lobbying is currently not regulated in Czechia. The aim of this reform is to establish a legal framework for lobbying activities in the legislative process, to enable public scrutiny of lobbying and thereby to increase transparency of the entire legislative process. A new law on lobbying shall be adopted, which shall lay down rules for lobbying activities in order to distinguish between legitimate lobbying activities and undesirable, non-transparent lobbying.

The reform shall be completed by 31 March 2026.

Reform 5: Control and audit

The efficient protection of the financial interests of the Union when implementing the Recovery and Resilience Facility is subject to the establishement of appropriate measures to prevent, detect and correct fraud, corruption and conflict of interests as defined in Article 61 of the Financial Regulation. Therefore, the improvement of the control and audit environment is a pre-requisite for the efficient implementation of the plan in compliance with the applicable Union and national law. This reform includes several measures to protect the financial interests of the Union, in particular (i) improvements of the national control system to prevent, detect and correct situations of the conflict of interests, (ii) a compliance review of the national procedures to ensure that the application of beneficial ownership in the context of the Facility's internal control system is fully aligned with the definition of 'beneficial owners' as defined in Article 3, point 6 of Directive 2015/849, as amended by Directive 2018/843, (iii) adoption of an audit strategy ensuring the independent and effective audit of the RRF implementation, (iv) approval of the procedures for the system to collect, store and process data in relation to all final recipients, including all beneficial owners as established by Article 3 of the Directive (EU) 2015/849, and (v) a repository system for monitoring the implementation of the RRF and for collection and storage of all the data referred to in Article 22(2)(d) of the Regulation (EU) 2021/241.

The reform shall be completed by 30 June 2022. All these milestones shall be fulfilled before the first payment request is submitted to the Commission.

T.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
202	Reform 1: Protection of whistle-blowers	Milestone	Entry into force of the law on the protection of whistle-blowers and the accompanying amending law	Provision in the law on the protection of whistle-blowers indicating the entry into force				Q4	2024	The law on protection of whistle-blowers shall: • prohibit retaliatory measures against whistle-blowers • require establishment of an external notification channel for whistleblowing at the Ministry of Justice • require public institutions, large municipalities and large companies to set up internal notification systems for whistle-blowing
203	Reform 2: Judiciary reform aimed at strengthening the legislative framework and transparency in the areas of courts, judges, prosecutors and bailiffs	Milestone	Entry into force of the Courts and Judges Act	Provision in Courts and Judges Act indicating the entry into force				Q4	2021	The Courts and Judges Act shall: • introduce objective rules for the selection of judges and court officials • provide a more detailed regulation of secondary activity of judges • streamline court proceedings in which lay judges participate
204	Reform 2: Judiciary reform aimed at strengthening the legislative framework and	Milestone	Entry into force of the law on proceedings in cases of judges, prosecutors and bailiffs	Provision in the law on proceedings in cases of judges, prosecutors and bailiffs indicating the entry into force				Q4	2024	The law on proceedings in cases of judges, prosecutors and bailiffs shall: • introduce an appeal-based instance review of decisions by the Disciplinary Board • introduce measures to increase efficiency in proceedings of judges, prosecutors, and bailiffs, namely as regards the composition of the

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
	transparency in the areas of courts, judges, prosecutors and bailiffs									Disciplinary Boards, salaries for civil servants convicted for disciplinary misconduct and settlement of a disciplinary case by agreement
205	Reform 3: Collection and analysis of data on corruption	Milestone	Creation of methodology for measuring of corruption in the Czech Republic	Publication of the methodology by the Ministry of Justice				Q4	2023	The new methodology shall allow for replicable and efficient measurement of the direct and indirect experience of corruption in the Czech Republic. It shall be a part of the final research report which shall also: • identify the extent and forms of corruption in selected social sectors in the Czech Republic. • formulate recommendations of measures to reduce corruption in the selected sectors
206	Reform 4: Regulation of lobbying	Milestone	Entry into force of the law on lobbying	Provision in the law on lobbying indicating entry into force				Q1	2026	The law on lobbying shall: • define lobbying • require setting up a register of lobbyists and lobbied persons • introduce an obligation to register lobbying and sanctions for non-compliance.
207	Reform 5: Control and audit	Milestone	The system to collect, store and make available data in relation to all final recipients including all beneficial owners (as established by article 3, point	Procedure approved and implemented by the delivery unit with the description of the system to collect and make available data on final recipients				Q2	2022	The procedure describing how the data on final recipients, contractors, sub-contractors, beneficial owners and the list of any measures for the implementation of reforms and investment projects is to be collected and stored is being successfully implemented. The system to collect and make available data on final recipients shall be in line with the requirements of Article 22(2)(d) of the RRF Regulation. This description shall explicitly cover all categories of data mentioned in Article 22(2)(d), including on 'beneficial owners' as defined in Article 3, point 6, of Directive 2015/849, as amended by Directive 2018/843. The procedures shall be approved and implemented by the

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
			6, of the Anti-money laundering directive.							RRF Managing Council. The system of collecting data will be based on and follow the best practices gained of the MS2014+ system.
208	Reform 5: Control and audit	Milestone	Creation and implementation of an action plan on the administrative system of the coordinating body in particular as regards sufficient and systemic prevention of the conflict of interest in the context of the RRF.	Effective implementation of the action plan confirmed by updated procedures and processes of the coordinating body				Q4	2021	Effective implementation of the action plan will ensure an efficient internal administrative system of the coordinating body in particular as regards sufficient and systemic prevention of the conflict of interest. The action plan shall include measures to ensure that payments to final recipients, contractors and subcontractors under the Plan would be subject to prior controls of conflict of interest verification down to the level of beneficial owners as defined in Article 3, point 6, of Directive (EU) 2015/849 of the European Parliament and of the Council.
209	Reform 5: Control and audit	Milestone	Measures preventing conflict of interest implemented by the Coordinating body.	Audit report confirming effective implementation of the action plan.				Q2	2022	Follow-up audit shall be carried out by the audit body to confirm the implementation of the action plan.
210	Reform 5: Control and audit	Milestone	Repository system	Audit report confirming repository system functionalities				Q2	2022	A repository system for monitoring the implementation of the RRF shall be in place and operational. The system shall include, as a minimum, the following functionalities:

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
										(a) collection of data and monitoring of the achievement of milestones and targets; (b) collection, storage and ensuring access to the data required by Article 22(2)(d)(i) to (iii) of the RRF Regulation.
211	Reform 5: Control and audit	Milestone	Audit strategy ensuring independent and effective audit of the RRF implementation	Audit strategy approved by the head of the audit body				Q4	2021	Adoption and entry into force of an audit strategy for the audit body, ensuring the independent and effective audit of the RRF implementation in accordance with internationally accepted audit standards. The strategy shall at least set out the methodology and approach to risk assessment, the frequency and type of audits (such as systems and project audits, desk-based and on-the-spot) to be carried out in the different implementation stages of the reforms and investment implemented under the Plan as well as the reliability of data supporting the achievement of milestones and targets.
212	Reform 5: Control and audit	Milestone	Review of the definition of beneficial ownership as it relates to the RRF control system	Report from a compliance review including suggestions on possible follow-up action.				Q4	2021	A compliance review of the national procedures shall be carried out to ensure that the application of beneficial ownership in the context of the RRF control system is fully aligned with the definition of 'beneficial owners' as defined in Article 3, point 6, of Directive 2015/849, as amended by Directive 2018/843. The review shall encompass both legislation and guidance, including manual for the registry of beneficial owners. The review shall also look at the effective, proportionate and dissuasive sanctions in case of breaches of the obligation to obtain and hold information on the beneficial ownership, as provided by Article 30(1) of Directive 2015/849, as amended by Directive 2018/843. Following the review, potential deficiencies identified shall be corrected.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
213	Reform 5: Control and audit	Milestone	Guidance on the avoidance and management of conflict of interests	Guidance on the avoidance and management of conflict of interests issued by the delivery unit of the coordinating body. Revision by the audit authority				Q2	2022	Adoption by the delivery unit of the coordinating body of guidance to ensure avoidance and management of conflict of interests by the component owners and other entities implementing reforms and investments under the recovery and resilience plan. The guidance shall reflect the full breadth of necessary measures to protect the EU budget against fraud and irregularities. This guidance shall be based on Commission Notice - Guidance on the avoidance and management of conflicts of interest under the Financial Regulation (OJ C 121, 9.4.2021, p. 1). The guidance shall harmonize the measures to be taken by the component owners and other entities implementing reforms and investments under the recovery and resilience plan (ministries, other public bodies, state funds, etc.).
214	Reform 5: Control and audit	Milestone	Procedures to avoid conflict of interests in line with Article 61 of the Financial Regulation	Audit report with the unqualified audit opinion on the effectiveness of the RRF internal control system to prevent, detect and correct situations of conflict of interests				Q2	2022	The RRF internal control system to avoid conflict of interests shall be effective and shall ensure, in particular that: (a) collection, storage and processing data in relation to all final recipients, including all beneficial owners as established by Article 3, point 6 of the Directive (EU) 2015/849; (b) internal control system to prevent, detect and correct conflict of interests situations is in accordance with Article 61 of the Financial Regulation; and (c) national control procedures to avoid conflict of interests situations for all beneficial owners are effective.

U. COMPONENT 4.4: ENHANCING THE EFFICIENCY OF PUBLIC ADMINISTRATION

This component of the Czech recovery and resilience plan addresses the challenge of strengthening the application of the evidence-based approach to public policymaking, while enhancing the coordination between different levels (central and regional) of the public administration. It aims to address the lack of sufficient analytical capacities in the public administration in Czechia.

The component supports addressing the Country Specific Recommendation, according to which Czechia shall aim at reducing the administrative burden and improving e-government (Country Specific Recommendation 3 2019).

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01).

U.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Increased efficiency, pro-client orientation and the use of the principles of evidence-based decision-making in public administration.

The following measures, aimed at enhancing the efficiency of public administration, shall be completed under this reform:

- Setting up a central analysis team to raise awareness of the importance of evidence-based policymaking principles among all relevant stakeholders in the public administration, while supporting the relevant departments in the correct application of qualitative and quantitative analytical methods.
- Developing a methodology for collecting data on the activities of the offices and sharing them across public administrations.
- Developing an electronic tool for collecting data on public administration activities.
- Creating a database of relevant data such as information on processes, performance, personnel capacities, in public administration, at central and local level.
- Implementing targeted pro-client training programmes for at least 1000 front-office officials.

The reform shall be completed by 31 December 2025.

U.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
215	Reform 1: Increase efficiency, pro-client orientation and use of the principles of evidence-based decision-making in public administration	Milestone	Completion of a database with relevant data on processes, performance, personnel capacities in public administration by the Ministry of Interior	Acceptance protocols for the operational database provided by the Ministry of Interior				Q4	2025	A specific, publicly accessible data warehouse shall be established and operational for the public administration, containing available individual data from selected information systems, open data and data obtained through a newly created electronic data-collection tool on authorities' activities. The database shall be completed by the Ministry of Interior.
216	Reform 1: Increase efficiency, pro-client orientation and use of the principles of evidence-based decision-making in public administration	Target	Completion of training accredited by the Ministry of Interior on client-oriented approaches for front-office staff of central, regional or local authorities		Number	0	1000	Q4	2025	A targeted training program for front-office staff of central, regional or local authorities in client-oriented approach shall be completed. The training program shall be implemented at the level of districts in small groups of up to 20 officials, and shall be aimed at practicing skills in model situations. The training programme shall be accredited by the Ministry of the Interior and shall be free for all participants.

V. COMPONENT 4.5: DEVELOPMENT OF THE CULTURAL AND CREATIVE SECTOR

This component of the Czech recovery and resilience plan addresses the need to support the recovery of the cultural and creative sectors, which were hard-hit by the COVID-19 pandemic, while making it a firm part of the overall economic and social recovery of the Czech Republic. The component shall also stimulate a digital shift in the cultural and creative sectors and their effective integration within the Czech innovation ecosystem. Furthermore, the aim is to strengthen the resilience of the cultural and creative sectors through introducing the status of 'artist' in legislation and investing in skills of artists and cultural professionals to foster their adaptability to new, in particular digital, working environments. The component includes measures aimed at relaunching culture and tourism-related activities in the regions, thereby contributing to regional cohesion.

The component supports addressing the country-specific recommendation 3, 2019, according to which Czechia shall remove the barriers hampering the development of a fully functioning innovation ecosystem, and country-specific recommendation 2, 2020, according to which Czechia shall support employment through active labour market policies, the provision of skills, including digital skills, and access to digital learning.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01).

V.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Status of the artist

The reform shall address the absence of an adequate regulatory environment of artists: this exacerbated the negative impact of the covid pandemics on cultural and creative professionals who operated under precarious working arrangements, outside the social safety net. A new legislation shall introduce the status of 'artist' with the aim to improve and stabilise the working conditions of artists and cultural professionals and increase the resilience of the sector. The legislation shall be complemented by methodological guidance focusing on the treatment of professionals with precarious working arrangements, fair use of intellectual property and support of artists in their early career.

The reform also includes setting up a comprehensive programme to support skills of cultural and creative professionals, in particular digital skills, financial literacy, management skills, linking culture and creativity with education, and the promotion of mobility. The programme is expected to increase the resilience of the cultural and creative sectors, foster the adaptability of culture and creative professionals to digital technologies and new working environments and help restore disrupted cooperation networks in the cultural and creative sectors.

The reform shall be completed by 31 December 2025.

Reform 2: Legislative reform introducing multi-fund financing of cultural institutions

This reform aims at fostering financial stability and sustainability of cultural institutions. It consists of a legislative reform which shall introduce multi-source cooperative financing of cultural institutions, thereby increasing their financial resilience. The reform shall simplify cooperation between cities, regions and the state in funding of cultural institutions in Czechia, and specify conditions for involvement of private funding. The reform also includes regional and national mapping of the cultural and creative sectors.

The reform shall be completed by 31 December 2024.

Investment 1: Development of regional cultural and creative sectors

The main objective is to ensure equitable development of the cultural and creative sectors in the entire territory of the Czech Republic. The investment aims at creation of 15 cultural and creative centres, which shall promote links between culture, creative industries and regional innovation ecosystems. The investments shall benefit structurally disadvantaged regions and areas suffering from a lack of cultural infrastructure, thereby fostering territorial cohesion. Preference shall be given to projects that revitalise existing objects, contribute to the restoration of cultural heritage or extend the functions of existing cultural institutions. The investment shall include support to project preparation and development of regional strategic documents regarding cultural and creative sectors.

The investment shall be completed by 31 December 2025.

Investment 2: Digitalisation of cultural and creative sectors

The aim is to support digitalisation of cultural content in order to ensure its preservation and improve its accessibility. The investment shall address the low level of digitalisation of the cultural content in Czechia and a lack of a comprehensive methodology and good practice sharing in this area. This shall be achieved by:

- a grant scheme to support at least 80 projects of digitalization of the cultural content, with preference given to projects allowing for equipment and capacity sharing;
- developing a methodology to facilitate digitalisation of the cultural content in libraries, museums and other cultural institutions;
- digitalisation of the grant system of the Ministry of Culture, which shall allow for an efficient administration of applications.

The investment shall be completed by 31 December 2025.

Investment 3: Creative vouchers

The investment aims at promoting innovation through links between the SMEs and the emerging creative sectors. External services of creative professionals may help SMEs innovate their post-production services and respond swiftly to market demands, thereby supporting their competitiveness. The investment shall be achieved through a voucher scheme to support soft innovations in SMEs, such as web design, product and service design, graphic design or marketing strategies. At least 3000 creative vouchers shall be allocated to SMEs in three consecutive calls (2022-24). In addition, at least 300 design credits shall be allocated to SMEs in a complementary scheme supporting export promotion and consultation activities in design. The allocation of vouchers to SMEs shall aim at equal distribution among the regions and creative professionals shall be limited to provide service to at most three SMEs in order to avoid concentration in large creative and advertising companies. The investment shall include setting up a creative gallery, which shall serve the implementation and administration of the voucher scheme and as a wider communication platform for the cultural and creative sectors. The voucher scheme shall be based on a successful local scheme organised in Southern Moravia.

The investment shall be completed by 31 December 2025.

V.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
217	Reform 1: Status of the Artist	Milestone	Entry into force of the law on the Status of the Artist	Provision in the law on the Status of the Artist indicating the entry into force				Q4	2025	The law on the Status of the Artist shall ensure stable working conditions of artists and creative professionals. The legislation shall be complemented by methodological materials on the treatment of professionals with precarious working arrangements, fair use of intellectual property and support of artists in the first stages of their careers.
218	Reform 1: Status of the Artist	Target	Number of cultural and creative professionals supported by skills provision		Number	0	2000	Q4	2024	Support shall be channelled through a grant scheme with a total allocation of EUR 27 100 000*)*. Skills development shall focus on digital, financial and management skills, cultural innovations, internationalization and promoting linkages of art and culture with the educational sector.
219	Investment 1: Development of regional cultural and creative sectors	Target	Opening of new regional cultural and creative centres to public		Number	0	15	Q4	2025	At least 15 regional cultural and creative centres shall be supported and open to the public. Support shall be channelled through a grant scheme with a total allocation of EUR 125 677 000. Preference shall be given to projects that revitalise existing objects, contribute to restoration of cultural heritage and follow climate objectives. Selection of projects shall respect geographical balance. Within the individual regions, preference shall be given to structurally disadvantaged areas and areas suffering from a lack of cultural infrastructure.
220	Reform 2.: Legislative reform introducing multi-fund financing of cultural	Milestone	Entry into force of a legislative amendment allowing for cooperative multi-source financing of culture	Provision in the legislative amendment allowing for cooperative multi-source financing of culture, indicating the				Q4	2024	The legislative amendment shall: • allow for multi-source financing of culture • simplify cooperation between cities, regions and the state • strengthen financial sustainability of cultural

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
	institutions			entry into force						institutions
221	Investment 2: Digitalisation of cultural and creative sector	Target	Number of completed projects of digitalisation of the cultural content		Number	0	80	Q4	2025	The grant scheme shall support at least 80 projects of digitalisation of the cultural content, with preference given to projects allowing for equipment and capacity sharing. A methodology for effective digitalisation of the cultural content shall be made available to cultural institutions, drawing on the best practice in the field. The total budget executed for this purpose shall amount to EUR 31 419 000.
222	Investment 3: Creative vouchers	Target	Number of creative vouchers allocated to SMEs		Number	0	3300	Q4	2025	The measure shall support soft innovations in SMEs, such as web design, product and service design, graphic design or marketing strategies and export promotion activities. Support shall be channelled through two grant schemes with a total allocation of EUR 20 800 000. At least 3000 creative vouchers and 300 design credits shall be allocated to SMEs. The distribution of vouchers shall respect geographical balance. Creative professionals may provide service to at most three SMEs. A creative gallery shall be set up to serve the implementation and administration of the scheme and as a wider communication channel.

W. COMPONENT 5.1: EXCELLENT RESEARCH AND DEVELOPMENT IN THE HEALTH SECTOR

The component of the Czech recovery and resilience plan addresses the challenge of improving the excellence of research in medical sciences and related disciplines. This includes research in the areas of: infectious diseases, cancer, neurosciences, metabolic disorders or cardiovascular diseases and research on the socio-economic impact of health risks. The identification of these fields was conducted on the basis of three criteria: the existing data on fatality rates, the potential to achieve excellence and the current existence of cooperation structures.

The component aims at modernising and renovating Czechia's scientific infrastructure to European standards, developing networking structures in the Research & Development sector and reducing fragmentation of the research sector in Czechia, thus improving its management.

This component provides support complementary to components 6.1 and 6.2 in the area of health system support.

The component supports addressing the country specific recommendation on public-private cooperation in research and development (country specific recommendation 3 2020).

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01).

W.1. Description of the reforms and investments for non-repayable financial support

Investment 1: Public Research & Development support for priority areas of medical sciences and related social sciences

This investment aims at supporting at least four research consortia each of them aimed at improving a systematic provision of necessary expertise in one of the selected disciplines: infectious diseases research, cancer research, neurosciences, metabolic disorders or cardiovascular diseases research and research on the socio-economic impact of health risks. This shall enhance scientific support to the public administration or faster and more transparent sharing of relevant and scientifically validated information and Research & Development & Innovation results.

The consortia are expected to be established between relevant universities, public research institutions and other public and private entities, ensuring the necessary knowledge transfer. These consortia shall form national research authorities aimed to bring about a qualitative change to the chosen Research & Development priority areas with impacts both in terms of scientific production and on the functioning of Czechia's public administration in health crisis situations.

The investment is expected to include supporting basic and applied research activities, equipping research entities with scientific infrastructure of a new quality, establishing a single scientific platform for each supported priority area, and improving the capacities of the consortium's researchers through upskilling activities.

The implementation of the investment shall be completed by 31 December 2025.

W.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
223	Investment 1: Public Research & Development support for priority areas of medical sciences and related social sciences	Milestone	Launch of a new Research & Development support program	Approval of the program by the Czech Government and launch of a tender				Q4	2021	The milestone shall be achieved upon launching of a new systemic programme instrument to support Research & Development in priority medical sciences and related social sciences, namely: infectious diseases research, cancer research, neurosciences, metabolic disorders or cardiovascular diseases research and research on the socio-economic impact of diseases, in accordance with the national rules established in the Act No 130/2002 on support for research, experimental development and innovation from public funds . Adoption by the government shall follow consultation with all stakeholders and in internal and inter-ministerial consultation procedures, consultation with representatives of the academic and application communities and universities in the Research, Development and Innovation Council, verification of absorption capacity. The open call for public tender in Research & Development & Innovation for the new Research & Development programme shall follow the national rules, especially established in the Act No 130/2002 on support for research, experimental development and innovation from public funds.
224	Investment 1: Public Research & Development support for priority areas of medical sciences and related social sciences	Target	Award of public contracts to at least four Research & Development consortia		Number of contracts	0	4	Q2	2022	The target shall be achieved upon notification of the award of public contracts to at least four Research & Development consortia in priority medical sciences and related social sciences, namely: infectious diseases research, cancer research, neurosciences, metabolic disorders or cardiovascular diseases research and research on the socio-economic impact of diseases. The total budget allocated for this purpose shall amount to at least EUR 196 371 000.

Seq. Num	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
225	Investment 1: Public Research & Development support for priority areas of medical sciences and related social sciences	Target	Validation of at least four national Research & Development consortia and their integration in the Czech Research & Development system as national research authorities		Number of consortia validated by the Ministry of Education, Youth and Sport	0	4	Q4	2025	The target will be achieved upon validating the functioning of at least four consortia in the areas of infectious diseases research, cancer research, neurosciences, metabolic disorders or cardiovascular diseases research and research on the socio-economic impact of diseases and their integration in the Czech Research & Development system as national research authorities by the Ministry of Education, Youth and Sport. Validation process shall be conducted on the basis of the assessment and evaluation in accordance with the national rules established in the Act No 130/2002 on support for research, experimental development and innovation from public funds, peer review and expert site visits.

X. COMPONENT 5.2: SUPPORT FOR RESEARCH AND DEVELOPMENT IN COMPANIES AND INTRODUCTION OF INNOVATIONS INTO BUSINESS PRACTICE

This component of the Czech recovery and resilience plan contributes to addressesing the challenge of boosting the innovation capacity of domestic businesses, and improving cooperation within Czechia's innovation ecosystem. This shall be achieved through support to innovative enterprises, with particular regard to digitalisation, organisational innovation and to academia-business linkages. The support shall emphasise international cooperation and synergies with the research and innovation Framework Programme.

The component supports addressing country-specific recommendation 3 2019, according to which Czechia shall remove the barriers hampering the development of a fully functioning innovation ecosystem, and country-specific recommendation 3 2020, according to which Czechia shall ensure access to finance for innovative firms and improve public-private cooperation in research and development.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01). In particular, the results of the R&I process shall be technologically neutral at the level of their application (i.e. they shall be applied across all available technologies, including low-impact technologies), and the measure shall ex ante exclude R&I dedicated to the 'brown R&I' elements (i.e. coal, lignite, oil/petroleum, natural gas not covered by Annex III of the DNSH Technical Guidance, blue and grey hydrogen, incinerators and landfills).

X.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Creation of a National Coordination Group for Support for Industrial Research

The reform entails the establishment of a National Coordination Group for Support for Industrial Research, which shall harmonise the industrial R&D support policies between policy makers, existing RDI support providers and the Government Council for RDI.

The National Coordination Group shall ensure the establishment of a structure for supporting programmes compatible with the smart specialization strategy. It should harmonize the conditions for granting support and the concentration of all relevant programmes under a single implementing body – the Technology Agency of the Czech Republic.

The reform shall be implemented by 31 December 2021.

Investment 1: Support for the introduction of innovation into business practice

The measure aims at supporting innovation projects by SMEs, with a view to introducing product, process or organisational innovation into business practice.

90 individual innovation projects by SMEs (process, product, organization) shall be put into practice as a result of the supported project.

The investment shall be implemented by 31 March 2026.

Investment 2: Support for R&D cooperation (in line with the National RIS3 Strategy)

The measure aims at supporting industrial research projects by providing long-term support for cooperation between research organisations and enterprises, especially SMEs, under the National Centres of Competence programme.

Cooperation of 30 SMEs with a public research organisation under four newly created National Centres of Competence shall be established.

The investment shall be implemented by 31 December 2022.

Investment 3: Aid for research and development in the field of the environment

The measure aims at supporting industrial RDI projects submitted by research organisations and enterprises, including collaborative projects, aimed at addressing challenges identified under the "State Environmental Policy of the Czech Republic 2030 with outlook to 2050" and the sectoral strategy of research support. The RDI projects shall focus on priority thematic areas such as protection and sustainable use of natural resources, climate protection and improvement of air quality, waste management and reuse, protection of nature and landscape or a safe and resilient environment, including prevention and reduction of the consequences of natural and anthropogenic hazards.

Ten RDI projects in the field of environment shall be supported.
The investment shall be implemented by 30 September 2022.

Investment 4: Support for research and development in synergy effects with the Framework Programme for Research and Innovation

The measure aims at funding Seal of Excellence projects, in particular the instruments of the European Innovation Council Accelerator, which supports SMEs with the highest potential for rapid growth, as well as supporting European Research Area NET Cofunds (European Partnerships) that address the most pressing research and development challenges in the international context.

At least 16 enterprises involved in European Research Area NET Cofunds and at least 8 enterprises presenting projects that received the Seal of Excellence shall be supported.
The investment shall be implemented by 30 September 2025.

X.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
226	Reform 1: Creation of National Coordination Group for Support for Industrial Research	Milestone	Establishment of National Coordination Group for Support for Industrial Research	Start of operation of the group				Q4	2021	A National Coordination Group for Support for Industrial Research shall be established and put in operation. The coordination group shall harmonize the industrial R&D support policies between policy makers, existing RDI support providers and the Government Council for RDI, the conditions for granting support, and concentrate all relevant programmes under the remit of the Technology Agency of the Czech Republic.
227	Investment 1: Supporting the uptake of innovation in business practice	Target	Introduction of product, process or organisational innovations		Number of individual innovations (process, product, organisation) put into practice as a result of the supported project	72	162	Q1	2026	90 individual innovations (process, product, organization) shall be put into practice as a result of the supported project. The total budget executed for this purpose shall amount to at least EUR 39 000 000.
228	Investment 2: Support for research and development cooperation (in line with Smart Specialization Strategy)	Target	Cooperation of SMEs with a public research organisation under National Centres of Competence		Number of supported projects	0	30	Q4	2022	Long-term cooperation projects of 30 SMEs with a public research organisation under four newly created National Centres of Competence shall be achieved. The total budget executed for this purpose shall amount to at least EUR 58 000 000.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
229	Investment 3: Aid for research and development in the environmental field	Target	research and development in the environmental field		Number of supported projects in the environmental field	43	53	Q3	2022	Ten RDI projects in the environmental field shall be supported. The projects shall focus on priority thematic areas such as protection and sustainable use of natural resources, climate protection and improvement of air quality, waste management and reuse, protection of nature and landscape or a safe and resilient environment, including prevention and reduction of the consequences of natural and anthropogenic hazards. The total budget executed for this purpose shall amount to at least EUR 7 000 000.
230	Investment 4: Aid for research and development in synergy effects with the Framework Programme for Research and Innovation	Target	Research and development in synergy effects with the Framework Programme for Research and Innovation		Number of projects participating in European Research Area NET Cofunds and projects that received the Seal of Excellence	53	79	Q3	2025	26 projects participating in European Research Area NET Cofunds and projects that received the Seal of Excellence, including 18 projects participating in European Research Area NET Cofunds and 8 projects that received the Seal of Excellence, shall be supported. The total budget executed for this purpose shall amount to at least EUR 19 000 000, including at least EUR 12 000 000 for projects participating in European Research Area NET Cofunds and at least EUR 7 000 000 for projects that received the Seal of Excellence.

Y. COMPONENT 6.1: INCREASING RESILIENCE OF THE HEALTH SYSTEM

This component of the Czech recovery and resilience plan addresses the challenge of strengthening the resilience of the health system by investing in healthcare infrastructure and improving the education of health workers in acute care. With respect to healthcare infrastructure, the objective is to increase availability and quality of rehabilitation care for patients recovering from critical conditions (acute medical conditions), which proved insufficient during the pandemic. Also, the component aims at addressing the lack of highly specialised diagnosis tools and treatment of serious cardiovascular diseases, including transplant medicine. With respect to the education of healthcare personnel, systemic measures and investment are foreseen to tackle the growing shortage of healthcare workers.

The component contributes to addressing the country-specific recommendation 1, 2020, according to which Czechia shall ensure the resilience of the health system, strengthen the availability of health workers, primary care and the integration of care, and deployment of e-health services.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01).

Y.1. Description of the reforms and investments for non-repayable financial support

Reform 1: Improvement of education of healthcare professionals

The training and education of healthcare workers shall be adapted with the aim to improve the availability of highly specialized healthcare professionals. Planning of healthcare staff at the national and regional level shall be improved thanks to creation of an electronic system (connecting existing databases of healthcare professionals) for management, administration and evaluation of training needs of healthcare professionals. The improvement of the organisation of post-graduate training of health professionals shall help reduce the duration of specialist training and allow younger doctors to start providing care earlier, thereby improving access to care.

The investment shall be completed by 30 June 2024.

Investment 1: Creation of the Intensive Medicine Simulation Centre

The investment consists of building an Intensive Medicine Simulation Centre which shall expand the infrastructure for post-graduate training and life-long learning of healthcare professionals. The centre shall provide training with the state-of-the-art technologies and equipment, imitating real-life situations, including by using virtual reality. This shall enable training of complex clinical tasks in a safe environment without impacting on patient safety, effective transfer of acquired skills into clinical practice and improving cooperation between medical disciplines. Simulation training shall cover a wide range of activities, ranging from simple treatments to comprehensive patient care by specialised medical teams in pre-hospital care, intensive care units or operating rooms. Also, a system of training for medical personnel in intensive medicine shall be developed.

The investment shall be completed by 31 December 2025.

Investment 2: Rehabilitation care for patients recovering from critical condition

The aim of the investment is to address the need to strengthen rehabilitation care of patients recovering from critical conditions, which multiplied due to the covid pandemic. This shall be achieved by refurbishments and modernising the equipment in the rehabilitation departments

and by improving the organisation of rehabilitation care. Acquiring state-of-the-art equipment for comprehensive rehabilitation care shall reduce the need for staffing, thereby increasing the availability of rehabilitation care for patients. Support shall be channeled through a grant scheme with a total allocation of 61 660 000 EUR. Support shall be provided to at least 19 public hospitals which provide acute inpatient care in intensive care units and follow-up rehabilitation care. The selection of projects shall reflect the increased needs for rehabilitation care after the covid pandemic. It is expected that the number of treatments of patients after critical conditions in the rehabilitation care units shall increase by 10%.

The investment shall be completed by 31 December 2025.

Investment 3: Building a centre for cardiovascular and transplant medicine

The investment aims at increasing the accessibility of highly specialised care in cardiovascular and transplant medicine in the South Moravian region. Construction of new facilities of the Centre of Cardiovascular and Transplant Surgery in Brno is foreseen in order to expand the current capacity and modernise the equipment to reflect modern treatment methods, with a view to addressing the lack of adequate facilities in the Moravian region. The investment shall increase the number of beds in the current Centre of Cardiovascular and Transplant Surgery from the current 90 to at least 125 beds.

The investment shall be completed by 31 December 2025.

Y.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
231	Reform 1: Improvement of education of healthcare professionals	Milestone	Electronic system for management, administration and evaluation of training of healthcare professionals	A basic platform for the electronic system of management, administration and evaluation of healthcare workers' education put in operation				Q2	2024	Creation of a basic platform by the Ministry of Health for the new electronic system of management, administration and evaluation of healthcare workers' education. The electronic system shall be further developed and completed with modules according to education needs.
232	Investment 1: Creation of the Intensive Medicine Simulation Centre and optimisation of the education system	Milestone	Call for tender for the construction of the Intensive Medicine Simulation Centre	Notification of award of the open and public tender to the contractor				Q4	2022	Notification of the award of the public contract to build the Intensive Medicine Simulation Centre which will provide training to healthcare professionals in a wide range of medical fields: • Anaesthesiology and resuscitation • Other medical and non-medical skills training related to emergencies • Pre-hospital care and ambulance • Urgent admission • Intensive Care Units and multipurpose operational room • Integrated Rescue System • Soft Skills – team communication, crisis communication, leadership. The contractor shall be selected through open and public tender procedures. A needs assessment shall be carried out prior to the launch of the tender.
233	Investment 1: Creation of the Intensive	Milestone	Intensive Medicine Simulation	Intensive Medicine Simulation Centre constructed, fully				Q4	2025	The Intensive Medicine Simulation Centre shall be constructed, fully equipped and put in operation. It shall be run by the Institute for Postgraduate Education in Healthcare.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
	Medicine Simulation Centre and optimisation of the education system		Centre put in operation	equipped and put in operation						The capacity should be sufficient to ensure that at least 1 500 healthcare professionals shall be trained in the centre per year.
234	Investment 2: Rehabilitation care for patients recovering from critical conditions	Target	Support of rehabilitation care		Number	0	19	Q4	2024	Support shall be channeled through a grant scheme with a total allocation of 61 660 000 EUR. At least 19 projects shall be supported to increase the capacity of rehabilitation care for patients after critical conditions in public hospitals. It is expected that the number of treatments of patients after critical conditions in the reghabilitation care units shall increase by 10%.
235	Investment 3: Building a centre for cardiovascular and transplant medicine	Milestone	Centre for Cardiovascular and Transplant Medicine fully operational	Centre for Cardiovascular and Transplant Medicine fully operational				Q4	2025	New facilities of the Centre for Cardiovascular and Transplant Medicine fully operational. The construction of the new facility shall create at least 35 new beds at the Centre for Cardiovascular and Transplant Medicine. The construction shall be subject to open and public tender procedures. A needs assessment shall be carried out prior to the launch of the tender.

Z. COMPONENT 6.2: THE NATIONAL PLAN TO STRENGTHEN ONCOLOGICAL PREVENTION AND CARE

This component of the Czech recovery and resilience plan addresses the challenge of increasing the resilience of the cancer prevention and care system, which has been affected by the long-term negative effects of the COVID-19 pandemic.

With respect to reforms, a new National Oncological Programme for the Czech Republic for 2022-2030 shall be set up and the scope and quality of screening programmes for cancer prevention shall be enhanced.

With respect to healthcare infrastructure, the objective is to support the construction of the Czech Oncology Institute in Prague and the Centre for Oncological Prevention. Furthermore, oncological and hematooncological care facilities shall be also supported, as well as new facilities at the Masaryk Oncology Institute in Brno to strengthen cancer prevention.

The component contributes to addressing the country-specific recommendation 1, 2020, according to which Czechia shall ensure the resilience of the health system, strengthen the availability of health workers, primary care and the integration of care, and deployment of e-health services.

It is expected that no measure in this component does significant harm to environmental objectives within the meaning of Article 17 of Regulation (EU) 2020/852, taking into account the description of the measures and the mitigating steps set out in the plan in accordance with the DNSH Technical Guidance (2021/C58/01).

Z.1. Description of the reforms and investments for non-repayable financial support

Reform 1: National Oncological Programme of the Czech Republic – NOP CZ 2030

The reform is aimed at establishing the Czech Republic's National Oncological Programme for the period 2022-2030 (NOP CR 2030). The NOP 2022-2030 shall reflect the priorities set out in Europe's Beating Cancer Plan, including the principles of the Patient Centered Cancer Care Culture[15]. The preparation of the programme is under the responsibility of the Czech Oncological Society. The Ministry of Health shall set up a National Council for the Implementation of the NOP, which shall play a coordinating role in the preparation, implementation and evaluation phases.

The reform shall be completed by 31 December 2025.

Reform 2: Supporting and enhancing the quality of preventive screening programmes

The reform shall focus on enhancing the scope and quality of cancer prevention programmes with the aim to reduce morbidity and mortality of cancer cases, limit the costs of treatment at advanced stages of the disease and increase life expectancy and quality of life. The measures include:

- appointment of the National Screening Centre, by 30 June 2025, as the body responsible for coordination of cancer screening programs in the Czech Republic;
- enhancing the scope, accessibility, performance and impact of the existing screening programmes, in particular by increasing the coverage of the target population. For

[15] https://ec.europa.eu/health/sites/default/files/non_communicable_diseases/docs/eu_cancer-plan_en.pdf

example, the coverage of the target population by the colorectal cancer screening programme shall increase to at least 40% by 30 June 2026;

- piloting of new screening programmes, including their verification through population and clinical studies. In particular, an early lung cancer detection programme shall be launched and at least 20 000 participants of the target population shall participate by 30 June 2026.
- setting up a system to plan new prevention programmes and estimate their cost-effectiveness and impact in the public health insurance system;
- creation of a database for across-the-board monitoring and evaluation of screening programmes, including a broad quality indicator panel and efficiency assessment.

The measure shall be completed by 30 June 2026.

Investment 1: Establishment of the Czech Oncology Institute

The investment focuses on building the Czech Oncology Institute in Prague with the aim to provide cancer prevention, diagnosis and all treatment modalities, in one single point-of-care. The investment shall include the construction of a new building and acquisition of equipment (including, among others clinical equipment and information and communications technology equipment and safety equipment). The objective is also to establish a cancer centre with an international outreach in the Central and Eastern Europe region. It is expected that the capacity shall be 8500 –1200 hospitalised patients per year.

The Ministry of Health shall submit by 15 March 2022 a set of necessary documents, including:

- Medical program/functional plan and draft design suitable for Design and Build procurement purposes,
- Feasibility study, including needs assessment in context of the wider health strategy, technical, operational and economic feasibility, sustainability in both of financial and staffing terms, and impact on provision of oncology care at regional and country level, including on the travelling time and professional proficiency.

These documents shall be validated by an independent authority by 31 December 2022.

The investment shall be completed by 30 June 2026.

Investment 2: Developing highly specialised oncological and hematooncological care

The investment aims at strengthening highly specialised cancer care in both Complex Oncology Centres and Centres of highly specialised haematooncology, by the acquisition of cutting-edge technologies and equipment. The investment shall enable the oncology centres to provide diagnosis and cancer treatment based on the principles of precision and personalised medicine, which would improve the diagnosis and treatment in particular of rare cancer types. The concept of precision medicine covers in particular theranostics, advanced visualisation methods, individualised cell and gene therapies and modern radiotherapy. At least ten Complex Oncology Centres and Centres for highly specialised hematooncology shall be supported.

The investment shall be completed by 30 June 2026.

Investment 3: Establishment and development of the Centre for Cancer Prevention and Infrastructure for Innovative and Supportive Care at the Masaryk Oncology Institute

The investment aims at increasing the capacity and developing innovative cancer prevention and care in the Masaryk Oncology Institute in Brno. First, the investment includes the construction of a new facility of the Centre for Cancer Prevention, which shall increase the

number of cancer prevention programmes (primary, secondary and tertiary) and separate preventive care from care facilities (to cater for anti-epidemic and psychosocial aspects). Second, new facilities shall be created for innovative and supportive cancer care, namely the First Contact Centre, the Clinical Trial Centre, the Support Care Centre and the Education Centre. The Support Care Centre shall allow for piloting a new support programme for cancer survivors, the results of which may then be transferred to other cancer centres in the Czech Republic.

The investment shall be completed by 31 December 2025.

Z.2. Milestones, targets, indicators, and timetable for monitoring and implementation for non-repayable financial support

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
236	Reform 1: National Oncological Programme	Milestone	National Oncological Programme of the Czech Republic 2022-2030	Approval of the National Oncological Programme 2022-2030 by the government				Q4	2021	The National Oncological Programme shall be prepared under the responsibility of the Czech Oncology Society in consultation with key actors and stakeholders, in particular the Ministry of Health, National Oncology Centres, Centres of highly specialised cancer and haematology care, Institute of Health Information and Statistics, representatives of healthcare providers, health insurance companies and patients associations.
237	Reform 2: Supporting and enhancing quality of preventive screening programmes	Milestone	Appointment of an institution responsible for coordination of oncological screening programs	National Screening Centre appointed by the government as the body responsible for coordination of cancer screening programmes				Q2	2025	The National Screening Centre shall be responsible for: • coordination, planning, monitoring and evaluation of the screening programmes • setting-up a predictive system to plan new prevention programmes and estimate their cost-effectiveness and impact in the public health insurance system; • building a database for monitoring and evaluation of screening programmes, including setting up a scoreboard of quality indicators • piloting new screening programmes
238	Reform 2: Supporting and enhancing quality of preventive screening programmes	Target	Increase in the coverage of the target population by the colorectal cancer screening		%	34	40	Q2	2026	The participation of the target population in the appropriate screening test (e.g. biennial Faecal Occult Blood Test) shall increase to at least 40%.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
			programme							
239	Reform 2: Supporting and enhancing quality of preventive screening programmes	Target	Number of participants in the new early lung cancer detection programme		Number	0	20 000	Q2	2026	An early lung cancer detection programme shall be launched and at least 20 000 participants of the target population shall participate.
240	Investment 1: Building and establishment of the Czech Oncological Institute	Milestone	Feasibility study validated by an independent authority	Validation of a feasibility study by an independent authority				Q4	2022	Validation by an independent authority of: • Medical program/functional plan and a draft design suitable for Design and Build procurement purposes, • Feasibility study, including needs assessment in context of the wider health strategy, technical, operational and economic feasibility, sustainability in both of financial and staffing terms, and impact on provision of oncology care at regional and country level, including on the travelling time and professional proficiency. The feasibility study recommended guidelines have been presented by the EC in the "Guide to CBA of Investment Projects, December 2014.
241	Investment 1: Building and establishment of the Czech Oncological Institute	Milestone	The Czech Oncology Institute put in operation	An operating licence issued by the Ministry of Health to the Czech Oncology Institute				Q2	2026	Construction works completed and an operating licence obtained. The capacity shall be at least 300 beds for in-patient care (leading to an increase of the number of beds for cancer treatment by the healthcare provider concerned by at least 50 beds) It is expected that the capacity shall be 8500 –1200 hospitalised patients per year.

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
										The construction shall be subject to open and public tender procedures.
242	Investment 2: Developing highly specialised oncological and hematooncological care	Target	Number of supported facilities providing oncological and hematooncological care		Number of supported health facilities	0	10	Q2	2026	Support shall be provided to the Complex Oncology Centres and Centres of highly specialised oncology and hemato-oncology care through a grant scheme administered by the Ministry of Health, with a total allocation of 64 920 000 EUR.. At least ten centres shall be supported in acquisition of cutting-edge technologies and equipment allowing for personalised medicine. The selection of projects to be supported shall ensure balanced geographical coverage. Only public healthcare providers shall be supported.
243	Investment 3: Establishment and development of the Center for Oncological Prevention and Infrastructure for Innovative and Supportive Care at the Masaryk Memorial Cancer Institute	Milestone	Cancer Prevention Center at the Masaryk Memorial Cancer Institute	The new Cancer Prevention Center at the Masaryk Memorial Cancer Institute put in operation				Q4	2025	Entry into use of new facilities of the Cancer Prevention Centre at the Masaryk Memorial Cancer Institute. Transfer of existing capacities to new premises completed. It is expected that the annual number of interventions at the Cancer Prevention Centre shall increase by 30 % compared to 2019. The construction shall be subject to open and public tender procedures. A needs assessment shall be carried out prior to the launch of the tender.
244	Investment 3: Establishment and development of the Center for Cancer Prevention and Infrastructure for Innovative and Supportive Care at	Milestone	Expansion of facilities for Innovative and Supportive Care at the Masaryk	New facilities for Supportive and Innovative care put in operation				Q4	2025	Entry into operation of the new facilities of the First Contact Centre, the Clinical Trial Centre, the Support Care Centre and the Education Centre. It is expected that the annual number of f clients of the Innovative and Supportive care at the Masaryk Oncology Institute shall increase by 20% compared to 2019. The construction shall be subject to open and public tender procedures. A needs assessment shall be carried out prior to

Seq. Num.	Related measure (Reform or Investment)	Milestone / Target	Name	Qualitative indicators (for milestones)	Quantitative indicators (for targets)			Indicative timeline for completion		Description and clear definition of each milestone and target
					Unit of measure	Baseline	Goal	Quarter	Year	
	the Masaryk Memorial Cancer Institute		Oncology Institute							the launch of the tender. The pilot project on the Programme of Cancer Survivors shall be completed.

SECTION 2: FINANCIAL SUPPORT

1. Financial contribution

The instalments referred to in Article 2(2) shall be organised in the following manner:

1.1. First Instalment (non-repayable support):

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
172	C 3.1: Innovation in Education in the Context of Digitalisation - Investment 2: Digital equipment for schools	Target	Number of digital devices purchased by schools for distance learning
72	C 1.6: Acceleration and Digitalisation of the Building Process - Reform 1: Implementation of the new construction law and zoning law into practice	Milestone	Entry into force of the new construction law
134	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 2: Small watercourses and water reservoirs	Milestone	Submission by the Ministry of Agriculture of the list of projects to be supported under investment 2
168	C 3.1: Innovation in Education in the Context of Digitalisation - Reform 1: Curricula reform and strengthening of IT education	Milestone	Approval of new curricula strengthening digital literacy and computational thinking
51	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 2: European Digital Media Observatory Hub (EDMO)	Milestone	Launch of the European Digital Media Observatory hub for CEE in the Czech Republic (CEDMO)
102	C 2.2: Reducing Energy Consumption in the Public Sector - Investment 1: Improving the energy performance of state buildings	Milestone	Adoption of the model contract by the Ministry of Industry and Trade for the Energy Performance Contracting method services with a guarantee
105	C 2.2: Reducing Energy Consumption in the Public Sector - Investment 2: Improving the energy performance of public lighting systems	Milestone	Adoption of programme documentation by the Ministry of Industry and Trade regarding measures to renovate public lightning systems
198	C 4.2: New Quasi-Equity Instruments for the Promotion of Entrepreneurship and Development of Czech-Moravian Guarantee and Development Bank (ČMZRB) as a National Development Bank - Reform 1: Development of the Czech-Moravian Guarantee and Development Bank as a National Development Bank	Milestone	Adoption of the medium-term strategy of the Czech-Moravian Guarantee and Development Bank (ČMZRB) approved by the bank's shareholders (represented by the Ministries of Industry and Trade, Finance and Local Development)
199	C 4.2: New Quasi-Equity Instruments for the Promotion of Entrepreneurship and Development of Czech-Moravian Guarantee and Development Bank (ČMZRB) as a National Development Bank - Reform 1: Development of the Czech-Moravian Guarantee and Development Bank as a National Development Bank	Milestone	Delivery of a management model for the new quasi-equity instrument

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
200	C 4.2: New Quasi-Equity Instruments for the Promotion of Entrepreneurship and Development of Czech-Moravian Guarantee and Development Bank (ČMZRB) as a National Development Bank - Investment 1: Development of a new line of quasi-equity instruments supporting entrepreneurship	Milestone	Funding agreement with the Czech-Moravian Guarantee and Development Bank as a National Development Bank (ČMZRB)
203	C 4.3: Anti-Corruption Reforms - Reform 2: Judiciary reform aimed at strengthening the legislative framework and transparency in the areas of courts, judges, prosecutors and bailiffs	Milestone	Entry into force of the Courts and Judges Act
208	C 4.3: Anti-Corruption Reforms - Reform 5: Control and audit	Milestone	Creation and implementation of an action plan on the administrative system of the coordinating body in particular as regards sufficient and systemic prevention of the conflict of interest in the context of the RRF.
211	C 4.3: Anti-Corruption Reforms - Reform 5: Control and audit	Milestone	Audit strategy ensuring independent and effective audit of the RRF implementation
212	C 4.3: Anti-Corruption Reforms - Reform 5: Control and audit	Milestone	Review of the definition of beneficial ownership as it relates to the RRF control system
223	C 5.1: Excellent Research and Development in the Health Sector - Investment 1: Public Research & Development support for priority areas of medical sciences and related social sciences	Milestone	Launch of a new Research & Development support program
226	C 5.2: Support for Research and Development in Companies and Introduction of Innovations into Business Practice - Reform 1: Creation of National Coordination Group for Support for Industrial Research	Milestone	Establishment of National Coordination Group for Support for Industrial Research
236	C 6.2: The National Plan to Strengthen Oncological Prevention and Care - Reform 1: National Oncological Programme	Milestone	National Oncological Programme of the Czech Republic 2022-2030
3	C 1.1: Digital services to citizens and businesses - Reform 2: eHealth	Milestone	Definition of interoperability standards in accordance with the European Interoperability Framework for eHealth and definition of rules governing telemedicine
68	C 1.5: Digital Transformation of Enterprises - Reform 1: Creation of Platform for the digitisation of the economy	Milestone	Creation of Platform for the digitisation of the economy
146	C 2.7: Circular Economy, Recycling and Industrial Water - Reform 2: Finalisation and implementation of the circular Czechia strategy 2040	Milestone	Completion and adoption of the circular Czechia strategy 2040 by the Ministry of Environment
184	C 3.3: Modernisation of Employment Services and Labour Market Development - Reform 1: Development of labour market policies	Milestone	Establishment of the tripartite Re-skilling and Upskilling Committee
29	C 1.2: Digital Public Administration Systems - Investment 4: Creating the conditions for digital justice	Milestone	Analysis of data management and use of data in the justice sector and the deployment of a data warehouse

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
83	C 2.1: Sustainable Transport - Investment 1: New technologies and digitisation on railway infrastructure	Milestone	Definition of the set of projects for Investment 1
86	C 2.1: Sustainable Transport - Investment 2: Electrification of railways	Milestone	Definition of the set of projects for Investment 2
89	C 2.1: Sustainable Transport - Investment 3: Improving the environment (railway infrastructure support)	Milestone	Definition of the set of projects for Investment 3
92	C 2.1: Sustainable Transport - Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of level crossings with an increased safety
93	C 2.1: Sustainable Transport - Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of built cycle paths, sidewalks and barrier-free routes
94	C 2.1: Sustainable Transport - Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of modernised railway bridges or tunnels
131	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 1: Flood protection	Milestone	Notification of award of flood protection contracts
135	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 2: Small watercourses and water reservoirs	Target	T1: Completion of 50% of the small watercourses and water reservoirs projects
176	C 3.2: Adaptation of School Programmes - Reform 1: Transformation of universities to adapt to new forms of learning and changing needs of the labour market	Milestone	Launch of a programme to support transformation of universities
207	C 4.3: Anti-Corruption Reforms - Reform 5: Control and audit	Milestone	The system to collect, store and make available data in relation to all final recipients including all beneficial owners (as established by article 3, point 6, of the Anti-money laundering directive.
209	C 4.3: Anti-Corruption Reforms - Reform 5: Control and audit	Milestone	Measures preventing conflict of interest implemented by the Coordinating body.
210	C 4.3: Anti-Corruption Reforms - Reform 5: Control and audit	Milestone	Repository system
213	C 4.3: Anti-Corruption Reforms - Reform 5: Control and audit	Milestone	Guidance on the avoidance and management of conflict of interests
214	C 4.3: Anti-Corruption Reforms - Reform 5: Control and audit	Milestone	Procedures to avoid conflict of interests in line with Article 61 of the Financial Regulation
224	C 5.1: Excellent Research and Development in the Health Sector - Investment 1: Public Research & Development support for priority areas of medical sciences and related social sciences	Target	Award of public contracts to at least four Research & Development consortia
		Instalment Amount	EUR 1 066 888 563

1.2. Second Instalment (non-repayable support):

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
110	C 2.3: Transition to Cleaner Energy Sources - Reform 1: Modernisation of distribution of heat in district heating systems	Milestone	Assessment of decarbonisation of district heating in Czechia
140	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 4: Building forests resilient to climate change	Target	T1: Reforestation of 12000 ha of areas by ameliorative and stabilising tree species (broad-leaved species and silver fir/abies alba)
148	C 2.7: Circular Economy, Recycling and Industrial Water - Investment 1: Building recycling infrastructure	Milestone	Award of all public contracts for projects investing in recycling infrastructure by the Ministry of Environment
229	C 5.2: Support for Research and Development in Companies and Introduction of Innovations into Business Practice - Investment 3: Aid for research and development in the environmental field	Target	Research and development in the environmental field
7	C 1.1: Digital services to citizens and businesses - Investment 1: Digital services for end users	Milestone	Full operation of the Single Digital Gateway
11	C 1.1: Digital services to citizens and businesses - Investment 2: Development of open data and public data	Milestone	Extension of National Open Data Catalogue with advanced functionalities
15	C 1.2: Digital Public Administration Systems - Investment 1: Development of information systems	Milestone	Successful establishment and operation of universal contact point enabling clients to communicate with the public administration in one place.
16	C 1.2: Digital Public Administration Systems - Investment 1: Development of information systems	Milestone	Successful upgrade and operation of ePassport (ePasy) and EVC2 visa system
20	C 1.2: Digital Public Administration Systems - Investment 2: Development of core registers and facilities for eGovernment	Milestone	Completion of a fully operational software-defined data centre including data containers.
23	C 1.2: Digital Public Administration Systems - Investment 3: Cyber security	Milestone	Modernisation of the Security Information and Event Management System of the police of Czechia and extension of its use for cybersecurity protection of further five other information systems, which shall be selected based on risk and feasibility study
25	C 1.2: Digital Public Administration Systems - Reforms 1: Centers of competence for supporting eGovernment, Cybersecurity and eHealth	Milestone	Full operation of three competence centres providing consulting services to authorities implementing the changes in information systems and eGovernment ecosystem foreseen under in the reforms and investments of A component 1.1 and B component 1.2 of the recovery plan
30	C 1.2: Digital Public Administration Systems - Investment 4: Creating the conditions for digital justice	Target	Increase in the number of conferencing rooms in the Justice system newly equipped and connected to enable

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
			video conferencing.
50	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 1: European Centre of Excellence in AI "for Citizens' Safety and Security"	Milestone	Launch of the European Centre of Excellence in Artificial Intelligence for Citizens Safety and Security
55	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 5: European Blockchain Services Infrastructure (EBSI) – DLT bonds for SME financing	Milestone	Completion of the use-case EBSI technical implementation and launch of the SME pilot phase
57	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 6: 5G Demonstrative application projects for cities and industrial areas	Target	Development and operation of reference applications for Smart Cities
67	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 13: Support to R & I in aviation industry	Milestone	Full operation of at least one testbed based on digital twin technology and digital transformation equipment in the aviation industry
90	C 2.1: Sustainable Transport - Investment 3: Improving the environment (railway infrastructure support)	Target	Completion of 26 projects from a predefined set of projects
95	C 2.1: Sustainable Transport - Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of modernised railway bridges or tunnels
96	C 2.1: Sustainable Transport - Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of level crossings with an increased safety
97	C 2.1: Sustainable Transport - Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of built cycle paths, sidewalks and barrier-free routes
111	C 2.3: Transition to Cleaner Energy Sources - Reform 2: Modernisation of distribution of heat in district heating systems	Milestone	Assessment of the trajectories of sustainable supply of biomass in Czechia
132	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 1: Flood Protection	Target	T1: Completion of 20 projects aiming at establishing resilient flood protection.
150	C 2.7: Circular Economy, Recycling and Industrial Water - Investment 2: Circular solutions in businesses	Milestone	Award of all public contracts for projects investing in circular solutions in businesses by the Ministry of Industry and Trade
152	C 2.7: Circular Economy, Recycling and Industrial Water - Investment 3: Water saving in industry	Milestone	Award of all public contracts for projects to save and optimise water in the industry by the Ministry of Industry and Trade
161	C 2.9: Promotion of Biodiversity and Fight against Drought - Investment 1: Protection against droughts and floods of the city of Brno	Milestone	Notification of award of contracts for projects aiming at the protection against droughts and floods of the city of Brno.

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
228	C 5.2: Support for Research and Development in Companies and Introduction of Innovations into Business Practice - Investment 2: Support for research and development cooperation (in line with Smart Specialization Strategy)	Target	Cooperation of SMEs with a public research organisation under National Centres of Competence
232	C 6.1: Increasing Resilience of the Health System - Investment 1: Creation of the Intensive Medicine Simulation Centre and optimisation of the education system	Milestone	Call for tender for the construction of the Intensive Medicine Simulation Centre
240	C 6.2: The National Plan to Strengthen Oncological Prevention and Care - Investment 1: Building and establishment of the Czech Oncological Institute	Milestone	Feasibility study validated by an independent authority
		Instalment Amount	EUR 807 375 129

1.3. Third Instalment (non-repayable support):

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
139	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 4: Building forests resilient to climate change	Milestone	Amendment to the ministerial decree on forest management planning (amendment to Decree No. 84/1996 Coll. on forest management planning)
142	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 5: Water retention in forest	Milestone	T1: Completion of 40 projects of torrent control (small scale wooden and natural stone dams) to slow down surface runoff and water retention projects in forests (retention and small reservoirs).
32	C 1.3: High Capacity Digital Networks - Reform 1: Improving the environment for the deployment of electronic communications networks	Milestone	Entry into force of measures prepared by the Ministry of Industry and Trade aimed at establishing a database of investment project plans and increasing the number of network quality measurements
70	C 1.5: Digital Transformation of Enterprises - Investment 2: European Reference Testing and Experimentation facility	Target	Creation of a European Reference Testing and Experimentation facility
78	C 2.1: Sustainable Transport - Reform 1: Creating alternatives to energy and space-intensive road transport	Milestone	Approval of the mobility plans
87	C 2.1: Sustainable Transport - Investment 2: Electrification of railways	Target	Completion of two projects from a predefined set of projects
99	C 2.1: Sustainable Transport - Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of modernised railway bridges or tunnels
		Instalment Amount	EUR 201 843 782

1.4. Fourth Instalment (non-repayable support):

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
73	C 1.6: Acceleration and Digitalisation of the Building Process - Reform 1: Implementation of the new construction law and zoning law into practice	Milestone	Start of the activity of the Supreme Construction Office
75	C 1.6: Acceleration and Digitalisation of the Building Process - Investment 1: Creation of a new central information system ("AIS")	Milestone	Central Information System fully operational
127	C 2.5: Building Renovation and Air Protection - Investment 2: Replacement of stationary sources of pollution in households with renewable energy sources	Milestone	Projects contracted for reduction of energy consumption and reduction of CO2 emissions (between Q1 2020 and Q3 2021)
128	C 2.5: Building Renovation and Air Protection - Investment 2: Replacement of stationary sources of pollution in households with renewable energy sources	Target	Reduction of energy consumption and CO2 emissions (35% implemented)
144	C 2.7: Circular Economy, Recycling and Industrial Water - Reform 1: Implementation of new legislation on waste management in the Czech Republic	Milestone	Entry into force of the implementing decisions following the legislation on waste management prepared by the Ministry of Environment
1	C 1.1: Digital services to citizens and businesses - Reform 1: Conditions for quality data pool management and ensuring controlled data access	Milestone	Finalisation of data audit at the levels of the central government, and adoption of the conceptual document "Strategy of controlled access to data to ensure conditions for quality management of the public administration data collection" by the Government, forming a basis for new data management legislation
8	C 1.1: Digital services to citizens and businesses - Investment 1: Digital services for end users	Milestone	Connection of Sick Note system to Regional Hygiene Stations and the Smart Quarantine project developed to fight COVID-19 infection in the population and completion of development of 3 information systems
13	C 1.1: Digital services to citizens and businesses - Investment 3: Digital service for justice	Milestone	Deployment of a new technology platform of the Justice Portal, which shall make digital services available to citizens and shall be connected to the central Citizen's Portal
14	C 1.1: Digital services to citizens and businesses - Investment 3: Digital service for justice	Target	Equipment of courtrooms with audio-visual data recorders
21	C 1.2: Digital Public Administration Systems - Investment 2: Development of core registers and facilities for eGovernment	Milestone	Completion of listed projects increasing the transmission capacity of the Central Point of Services and modernising and optimising communication and information infrastructure and information systems.

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
27	C 1.2: Digital Public Administration Systems - Reform 2: Development of systems supporting eHealth	Milestone	Extension of Shared Drug Recording (ePrescreption) to narcotics and psychotropic substances and to electronic vouchers for medical devices
49	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Reform 2: Joint Strategic Technologies Support and Certification Group with the Strategic Technologies Board	Target	Number of companies provided with certification
56	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 5: European Blockchain Services Infrastructure (EBSI) – DLT bonds for SME financing	Target	Number of SMEs supported following a successful pilot phase through offer of digital bonds on EBSI
59	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 7: Czech Rise-Up programme	Target	Support of projects aiming at innovation in medical and non-medical technological solutions to cope the effects of COVID-19 and with its economic and social consequences
64	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 11: Regulatory sandboxes in line with EU priorities	Milestone	Launch of two regulatory sandboxes in fintech and Artificial Intelligence
65	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 11: Regulatory sandboxes in line with EU priorities	Target	Sandbox participants supported by the sandboxes
79	C 2.1: Sustainable Transport - Reform 1: Creating alternatives to energy and space-intensive road transport	Milestone	Approval and entry into force of the new Freight Transport Concept
80	C 2.1: Sustainable Transport - Reform 1: Creating alternatives to energy and space-intensive road transport	Milestone	Approval of the transport service plans.
88	C 2.1: Sustainable Transport - Investment 2: Electrification of railways	Target	Completion of five additional projects from a predefined set of projects
91	C 2.1: Sustainable Transport - Investment 3: Improving the environment (railway infrastructure support)	Target	Completion of 26 additional projects from a predefined set of projects
100	C 2.1: Sustainable Transport - Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of built cycle paths, sidewalks and barrier-free routes
101	C 2.1: Sustainable Transport - Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of modernised railway bridges or tunnels
103	C 2.2: Reducing Energy Consumption in the Public Sector - Investment 1: Improving the energy performance of state buildings	Target	Award of 75 % of all public contracts for building renovation projects achieving at least 30% primary energy savings
108	C 2.2: Reducing Energy Consumption in the Public Sector - Investment 3: Improving the energy performance of public buildings	Target	Award of 75 % of all public contracts for building renovation projects achieving at least 30 % primary energy savings
133	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 1: Flood	Target	T2: Completion of additional 20 projects aiming at establishing resilient

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
	Protection		flood protection.
136	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 2: Small watercourses and water reservoirs	Target	T2: Completion of 50% additional small watercourses and water reservoirs
137	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 3: Land consolidation	Target	Completion of green infrastructure projects promoting biodiversity including bio centres, bio corridors and planting of locally typical greenery in the agriculture landscape (in ha of land served by the investment).
138	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 3: Land consolidation	Target	Completion of environmental protection activities and adaptation to climate change (in ha of land served by the investment).
145	C 2.7: Circular Economy, Recycling and Industrial Water - Reform 1: Implementation of new legislation on waste management in the Czech Republic	Milestone	Entry into force of a national and regional waste management plan
154	C 2.8: Brownfields Revitalisation - Investment 1: Support for revitalisation of specific areas	Milestone	Award of all public contracts for projects revitalising specific brownfields
156	C 2.8: Brownfields Revitalisation - Investment 2: Support for the revitalisation of areas in public ownership for non-business use	Milestone	Award of all public contracts for the regeneration of publicly owned brownfields for non-business use
158	C 2.8: Brownfields Revitalisation - Investment 3: Support for the revitalisation of areas in public ownership for business use	Milestone	Award of all public contracts for the regeneration of publicly owned brownfields for business use
183	C 3.2: Adaptation of School Programmes - Investment 2: Tutoring of pupils	Target	Number of pupils who received tutoring
186	C 3.3: Modernisation of Employment Services and Labour Market Development - Reform 1: Development of labour market policies	Milestone	Database of reskilling and upskilling courses
192	C 3.3: Modernisation of Employment Services and Labour Market Development - Reform 2: Ensuring sustainability of financing of childcare facilities	Milestone	Entry into force of the lawon child care (amendment to Act No 247/2014 on the provision of childcare services in a child group)
193	C 3.3: Modernisation of Employment Services and Labour Market Development - Reform 3: Reform of long-term care	Milestone	Entry into force of the law on long-term care
196	C 3.3: Modernisation of Employment Services and Labour Market Development - Investment 3: Development and modernisation of social care infrastructure	Target	T1: Number of low-emission vehicles purchased for social prevention, counselling and home-care services
205	C 4.3: Anti-Corruption Reforms - Reform 3: Collection and analysis of data on corruption	Milestone	Creation of methodology for measuring of corruption in the Czech Republic
		Instalment Amount	EUR 1 095 723 389

1.5. Fifth Instalment (non-repayable support):

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
143	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 5: Water retention in forest	Milestone	T2: Completion of 20 additional projects of torrent control (small scale wooden and natural stone dams) to slow down surface runoff and water retention projects in forests (retention and small reservoirs).
174	C 3.1: Innovation in Education in the Context of Digitalisation - Investment 2: Digital equipment for schools	Target	Number of schools supported with digital technologies and equipment to promote digital literacy and implement the new IT curricula
18	C 1.2: Digital Public Administration Systems - Investment 1: Development of information systems	Target	Contracting the execution of the listed information system projects forming the back-end basis of the information systems' development for public administration:
48	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Reform 2: Joint Strategic Technologies Support and Certification Group with the Strategic Technologies Board	Milestone	Establishment and appointment of certification authorities
84	C 2.1: Sustainable Transport - Investment 1: New technologies and digitisation on railway infrastructure	Target	Completion of two projects from a predefined set of projects.
113	C 2.3: Transition to Cleaner Energy Sources - Investment 2: Modernisation of distribution of heat in district heating systems	Milestone	Plan for investment in heat/power generation facilities
179	C 3.2: Adaptation of School Programmes - Investment 1: Development of selected key academic sites	Milestone	Award of contracts for the construction of new university facilities
231	C 6.1: Increasing Resilience of the Health System - Reform 1: Improvement of education of healthcare professionals	Milestone	Electronic system for management, administration and evaluation of training of healthcare professionals
		Instalment Amount	EUR 230 678 608

1.6. Sixth Instalment (non-repayable support):

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
125	C 2.5: Building Renovation and Air Protection - Investment 1: Renovation and revitalisation of buildings for energy savings	Milestone	Projects contracted for reduction of energy consumption (in the period 02/2022 - 07/2021)
141	C 2.6: Nature Protection and Adaptation to Climate Change - Investment 4: Reforestation	Target	T2: Reforestation of additional 24000ha of areas by ameliorative and stabilising tree species (broad-leaved species and silver fir/abies alba)
9	C 1.1: Digital services to citizens and businesses - Investment 1: Digital services for end users	Milestone	Full operation of 4 information systems

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
12	C 1.1: Digital services to citizens and businesses - Investment 2: Development of open data and public data	Target	Increase in the number of open data producers in the public administration publishing open data in the National Open Data Catalogue
17	C 1.2: Digital Public Administration Systems - Investment 1: Development of information systems	Milestone	Successful operation of the Integrated Foreigners system reducing the administrative burden of foreigners and public servants
31	C 1.2: Digital Public Administration Systems - Investment 4: Creating the conditions for digital justice	Target	Increase of the data storage capacity
36	C 1.3: High Capacity Digital Networks - Reform 2: Supporting the development of the 5G ecosystem	Target	Publication of studies aimed at improving the deployment of 5G networks by the Ministry of Industry and Trade
38	C 1.3: High Capacity Digital Networks - Investment 1: Building high-capacity connections	Milestone	Award of all grant decisions for connecting address points with the very high capacity network (VHCN) by the Ministry of Industry and Trade
43	C 1.3: High Capacity Digital Networks - Investment 3: Supporting the development of 5G mobile infrastructure in rural investment-intensive white areas	Milestone	Award of all grant decisions for connecting municipalities with high-capacity connection
45	C 1.3: High Capacity Digital Networks - Investment 4: Scientific research activities related to the development of 5G networks and services	Milestone	Award of all grant decisions for scientific research projects related to 5G networks
53	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 3: Transfer of foreign best practices and know-how for digital transformation, monitoring and research on the socio-economic effects of the crisis (Samuel Neaman Institute)	Target	Establishment of the Czech Samuel Neaman Institute with international outreach including 5 international cooperation agreements in a form of memorandums in order to transfer best practices in the area of digital transformation
54	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 4: SME Management Training Platform for post-COVID-19 Digital Transformation	Target	Launch of SME management training platform and involvement of the management of at least 200 SMEs in reskilling and upskilling activities focusing on digital transformation
60	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 8: Fostering entrepreneurship and innovative firms	Target	Number of start-ups supported via innovation hubs and partner organisations of the programme
69	C 1.5: Digital Transformation of Enterprises - Investment 1: European and national Digital Innovation Hubs	Target	Creation of functional and interconnected European and national Digital Innovation Hubs
76	C 1.6: Acceleration and Digitalisation of the Building Process - Investment 2: Development and use of public administration data in spatial planning	Milestone	Creation of a standardised database of spatial analytical documentation
77	C 1.6: Acceleration and Digitalisation of the Building Process - Investment 3: Reaping the Full Benefits of Digitising Building Control	Milestone	IT systems supporting digitalisation of the building permit process fully operational
85	C 2.1: Sustainable Transport - Investment 1: New technologies and digitisation on railway infrastructure	Target	Completion of six additional projects from a predefined set of projects.

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
98	C 2.1: Sustainable Transport - Investment 4: Road and rail safety (railway crossings, bridges and tunnels, cycle paths and barrier-free routes)	Target	Completion of level crossings with an increased safety
106	C 2.2: Reducing Energy Consumption in the Public Sector - Investment 2: Improving the energy performance of public lighting systems	Target	Award of 80 % of all public contracts for renovation of public lightning systems achieving at least 30 % primary energy savings
160	C 2.9: Promotion of Biodiversity and Fight against Drought - Reform 1: Amendment to the Water Management Act	Milestone	Amendment to the Water Management Act (Act No. 254/2001 Coll.) aiming at a systemic approach to management of drought and water scarcity.
170	C 3.1: Innovation in Education in the Context of Digitalisation - Investment 1: Implementation of the revised curriculum and digital skills of teachers	Milestone	Creation of a digital platform for effective sharing of educational resources
194	C 3.3: Modernisation of Employment Services and Labour Market Development - Investment 3: Development and modernisation of social care infrastructure	Target	T1: Number of community-based residential facilities constructed or reconstructed
197	C 3.3: Modernisation of Employment Services and Labour Market Development - Investment 3: Development and modernisation of social care infrastructure	Target	T2: Number of low-emission vehicles purchased for social prevention, counseling and home-care services
202	C 4.3: Anti-Corruption Reforms - Reform 1: Protection of whistle-blowers	Milestone	Entry into force of the law on the protection of whistle-blowers and the accompanying amending law
204	C 4.3: Anti-Corruption Reforms - Reform 2: Judiciary reform aimed at strengthening the legislative framework and transparency in the areas of courts, judges, prosecutors and bailiffs	Milestone	Entry into force of the law on proceedings in cases of judges, prosecutors and bailiffs
218	C 4.5: Development of the Cultural and Creative Sector - Reform 1: Status of the Artist	Target	Number of cultural and creative professionals supported by skills provision
220	C 4.5: Development of the Cultural and Creative Sector - Reform 2.: Legislative reform introducing multi-fund financing of cultural institutions	Milestone	Entry into force of a legislative amendment allowing for cooperative multi-source financing of culture
234	C 6.1: Increasing Resilience of the Health System - Investment 2: Rehabilitation care for patients recovering from critical conditions	Target	Support of rehabilitation care
		Instalment Amount	EUR 807 375 129

1.7. Seventh Instalment (non-repayable support):

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name

47	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Reform 1: Institutional reform of the coordination and support system for digital transformation of economy (incl. RIS 3)	Milestone	Implementation of organisational changes to reform the structure of public bodies overseeing digital transformation of the economy
237	C 6.2: The National Plan to Strengthen Oncological Prevention and Care - Reform 2: Supporting and enhancing quality of preventive screening programmes	Milestone	Appointment of an institution responsible for coordination of oncological screening programs
		Instalment Amount	EUR 57 669 652

1.8. Eigth Instalment (non-repayable support):

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
147	C 2.7: Circular Economy, Recycling and Industrial Water - Reform 2: Finalisation and implementation of the circular Czechia strategy 2040	Milestone	Completion of a monitoring report evaluating the state of implementation of the Circular Czechia 2040 strategy
169	C 3.1: Innovation in Education in the Context of Digitalisation - Reform 1: Curricula reform and strengthening of IT education	Milestone	Implementation by schools of new curricula strengthening digital literacy and computational thinking
230	C 5.2: Support for Research and Development in Companies and Introduction of Innovations into Business Practice - Investment 4: Aid for research and development in synergy effects with the Framework Programme for Research and Innovation	Target	Research and development in synergy effects with the Framework Programme for Research and Innovation
2	C 1.1: Digital services to citizens and businesses - Reform 1: Conditions for quality data pool management and ensuring controlled data access	Target	Introduction of new data management methodologies in public administration
4	C 1.1: Digital services to citizens and businesses - Reform 2: eHealth	Target	Number of new telemedicine services introduced and made available to patients
5	C 1.1: Digital services to citizens and businesses - Reform 2: eHealth	Target	Completion of projects leading to the implementation of new digital health services.
6	C 1.1: Digital services to citizens and businesses - Reform 2: eHealth	Target	Connection of health service providers / medical facilities to eHealth services according to interoperability rules and full operation of eHealth portal with increased functionality and service catalogue
19	C 1.2: Digital Public Administration Systems - Investment 1: Development of information systems	Target	Successful operation of new or upgraded information systems of public administration, which shall include the completion of the projects contracted under target 16
24	C 1.2: Digital Public Administration Systems - Investment 3: Cyber security	Target	Completion of projects leading to an increase of the number of information systems whose cyber security has been strengthened in line with Act No. 181/2014 Coll., on cyber security

26	C 1.2: Digital Public Administration Systems - Reforms 1: Centers of competence for supporting eGovernment, Cybersecurity and eHealth	Target	Consultations and assistance provided on topics related to the measures under component 1.1 and 1.2 reforms and investments of A component 1.1 and B component 1.2 of the recovery plan in the scope of at least 5 man-days, provided to specific public administration bodies
28	C 1.2: Digital Public Administration Systems - Reform 2: Development of systems supporting eHealth	Milestone	Completion of projects consolidating and developing the electronic healthcare infrastructure in order to create interlinked databases and improve digital healthcare services
33	C 1.3: High Capacity Digital Networks - Reform 1: Improving the environment for the deployment of electronic communications networks	Target	Completion of digital technical maps (DTM) objects for basic spatial situation
34	C 1.3: High Capacity Digital Networks - Reform 1: Improving the environment for the deployment of electronic communications networks	Target	Completion of digital technical maps (DTM) objects for transportation and technical infrastructure networks
35	C 1.3: High Capacity Digital Networks - Reform 1: Improving the environment for the deployment of electronic communications networks	Target	Completion of electronic communication quality measurements
37	C 1.3: High Capacity Digital Networks - Reform 2: Supporting the development of the 5G ecosystem	Milestone	Publication of guidelines on the deployment of 5G networks by the Ministry of Industry and Trade
40	C 1.3: High Capacity Digital Networks - Investment 2: Covering 5G corridors and promoting the development of 5G	Target	Completion of enhanced 5G signal coverage of selected rail corridors
41	C 1.3: High Capacity Digital Networks - Investment 2: Covering 5G corridors and promoting the development of 5G	Target	Completion of equipping railway wagons with repeaters for passive walls mobile signal coverage
42	C 1.3: High Capacity Digital Networks - Investment 2: Covering 5G corridors and promoting the development of 5G	Milestone	Installation and testing of the deployment of an intelligent transport system (C-ITS).
46	C 1.3: High Capacity Digital Networks - Investment 4: Scientific research activities related to the development of 5G networks and services	Target	Completion of scientific research projects related to 5G networks
52	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 2: European Digital Media Observatory Hub (EDMO)	Target	Minimum number of statistically relevant panellists involved in the CEDMO Index
58	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 6: 5G Demonstrative application projects for cities and industrial areas	Target	Expansion of applications of uses cases for Smart Cities and for Industry 4.0
61	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 9: Pilot co-investment funds for the development of pre/seed investments, strategic technologies and university spin-offs within the framework of European Centres of Excellence	Milestone	Launch of Funds of funds and the investment of the three designated funds (pre-seed, strategic technologies and spin-off funds)

62	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 9: Pilot co-investment funds for the development of pre/seed investments, strategic technologies and university spin-offs within the framework of European Centres of Excellence	Target	Investments in pre-seed and technology start-ups and spin-offs
63	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 10: Internationalisation of start-ups	Target	Support of start-ups international expansion via consulting, mentoring business advisory services, accelerator programmes
66	C 1.4: Digital Economy and Society, Innovative Start-Ups and New Technology - Investment 12: Building quantum communication infrastructure	Milestone	Completion of construction and pilot operation phase of an optical quantum network
71	C 1.5: Digital Transformation of Enterprises - Investment 3: Digital transformation of manufacturing and non-production companies and increase of their resilience	Target	Direct support to enterprises for digital transformation
74	C 1.6: Acceleration and Digitalisation of the Building Process - Reform 1: Implementation of the new construction law and zoning law into practice	Target	Shortening of the construction permit process by at least two years
81	C 2.1: Sustainable Transport - Reform 1: Creating alternatives to energy and space-intensive road transport	Target	Reaching an increased modal share of public transport in CZ cities bigger than 250 000 inhabitants and in CZ cities bigger than 75 000 inhabitants
82	C 2.1: Sustainable Transport - Reform 1: Creating alternatives to energy and space-intensive road transport	Target	Reaching an increased modal share of cycling in CZ cities bigger than 250 000 inhabitants and in CZ cities bigger than 75 000 inhabitants
115	C 2.4: Clean Mobility - Investment 1: Building infrastructure for public transport in the city of Prague	Target	Number of recharging points for the city of Prague
116	C 2.4: Clean Mobility - Investment 1: Building infrastructure for public transport in the city of Prague	Target	Number of kilometre of dynamic charging road for the city of Prague
117	C 2.4: Clean Mobility - Investment 2: Building infrastructure – Recharging points for private companies	Target	Number of recharging points deployed for private companies
118	C 2.4: Clean Mobility - Investment 3: Building infrastructure – Recharging points for residential buildings	Target	Number of recharging points deployed for residential buildings
119	C 2.4: Clean Mobility - Investment 4: Aid for purchase of vehicles – vehicles (electric, H2, bikes) for private companies	Target	Number of vehicles (electric, H2, bikes) for private companies
120	C 2.4: Clean Mobility - Investment 5: Aid for purchase of vehicles (electric, H2) and infrastructure for municipalities, regions, state administration and other public entities	Target	Number of vehicles (electric, H2) for municipalities, regions, state administration
121	C 2.4: Clean Mobility - Investment 5: Aid for purchase of vehicles (electric, H2) and infrastructure for municipalities, regions, state administration and other public entities	Target	Number of charging stations for municipalities, regions, state administration and other public entities
123	C 2.5: Building Renovation and Air Protection - Reform 1: Renovation and revitalisation of buildings for energy savings	Milestone	Consultation and training services for renovation wave in the household sector and timetable for implementing measures included in air quality plans

124	C 2.5: Building Renovation and Air Protection - Reform 2: Support for pre-project preparation and support of community energy projects	Target	Advisory services on energy communities
126	C 2.5: Building Renovation and Air Protection - Investment 1: Renovation and revitalisation of buildings for energy savings	Target	Reduction of energy consumption and reduction of CO2 emissions
129	C 2.5: Building Renovation and Air Protection - Investment 2: Replacement of stationary sources of pollution in households with renewable energy sources	Target	Reduction of energy consumption and reduction of CO2 emissions
130	C 2.5: Building Renovation and Air Protection - Investment 3: Support for pre-project preparation and awareness raising, education, training and information in the field of energy saving and reduction of emissions of greenhouse gases and other air pollutants	Target	Pre-project preparation projects, studies, trainings and community energy projects
149	C 2.7: Circular Economy, Recycling and Industrial Water - Investment 1: Building recycling infrastructure	Target	Completion of projects investing in recycling infrastructure
151	C 2.7: Circular Economy, Recycling and Industrial Water - Investment 2: Circular solutions in businesses	Target	Completion of projects investing in circular solutions in businesses
153	C 2.7: Circular Economy, Recycling and Industrial Water - Investment 3: Water saving in industry	Target	Completion of projects to save and optimise water in the industry
155	C 2.8: Brownfields Revitalisation - Investment 1: Support for revitalisation of specific areas	Target	Completion of energy-efficient revitalisation projects of specific brownfields
157	C 2.8: Brownfields Revitalisation - Investment 2: Support for the revitalisation of areas in public ownership for non-business use	Target	Completion of energy efficient revitalisation projects of brownfields owned by municipalities and regions for non-business use
159	C 2.8: Brownfields Revitalisation - Investment 3: Support for the revitalisation of areas in public ownership for business use	Target	Completion of energy efficient revitalisation projects of brownfields owned by municipalities and regions for business use
162	C 2.9: Promotion of Biodiversity and Fight against Drought - Investment 1: Protection against droughts and floods of the city of Brno	Target	Completion of nature-based flood protection measures to protect the city of Brno
163	C 2.9: Promotion of Biodiversity and Fight against Drought - Investment 2: Rainwater management in urban agglomerations	Target	Increase of the volume of rainwater retained by rainwater management measures in urban areas
164	C 2.9: Promotion of Biodiversity and Fight against Drought - Investment 3: Protected areas including Natura 2000 sites and protected species of plants and animals	Target	Completion of projects aiming at the conservation of protected areas including Natura 2000 sites and of protected species of plants and animals.
165	C 2.9: Promotion of Biodiversity and Fight against Drought - Investment 4: Adaptation of aquatic, non-forest and forest ecosystems to climate change	Milestone	Completion of projects aiming at adapting aquatic, non-forest and forest ecosystems to climate change
166	C 2.9: Promotion of Biodiversity and Fight against Drought - Investment 4: Adaptation of aquatic, non-forest and forest ecosystems to climate change	Target	Assessment of water retention potential and proposal of concrete measures
167	C 2.9: Promotion of Biodiversity and Fight against Drought - Investment 4: Adaptation of aquatic, non-forest and forest ecosystems to climate change	Target	Implementation of proposed selected water retention measures

173	C 3.1: Innovation in Education in the Context of Digitalisation - Investment 2: Digital equipment for schools	Milestone	Number of IT devices purchased for the school fund of mobile digital devices for disadvantaged pupils
181	C 3.2: Adaptation of School Programmes - Reform 2: Support of disadvantaged schools	Target	Number of disadvantaged schools supported
182	C 3.2: Adaptation of School Programmes - Reform 2: Support of disadvantaged schools	Milestone	Proposal of a new system of financing of schools according to socio-economic disadvantage
185	C 3.3: Modernisation of Employment Services and Labour Market Development - Reform 1: Development of labour market policies	Milestone	Entry into force of the amended Employment Act increasing efficiency of employment services and better targeting of most vulnerable groups
187	C 3.3: Modernisation of Employment Services and Labour Market Development - Investment 1: Development of labour market policies	Target	Number of people who received reskilling and upskilling in digital skills and skills needed for Industry 4.0
188	C 3.3: Modernisation of Employment Services and Labour Market Development - Reform 1: Development of labour market policies	Target	Number of regional training centres established to promote Industry 4.0
189	C 3.3: Modernisation of Employment Services and Labour Market Development - Investment 2: Increasing the capacity of pre-school facilities	Target	Number of refurbished existing pre-school facilities
190	C 3.3: Modernisation of Employment Services and Labour Market Development - Investment 2: Increasing the capacity of pre-school facilities	Target	Number of new pre-school facilities
191	C 3.3: Modernisation of Employment Services and Labour Market Development - Investment 2: Increasing the capacity of pre-school facilities	Target	Number of new places in pre-school facilities
195	C 3.3: Modernisation of Employment Services and Labour Market Development - Investment 3: Development and modernisation of social care infrastructure	Target	T2: Number of community-based residential facilities constructed or reconstructed
201	C 4.2: New Quasi-Equity Instruments for the Promotion of Entrepreneurship and Development of Czech-Moravian Guarantee and Development Bank (ČMZRB) as a National Development Bank - Investment 1: Development of a new line of quasi-equity instruments supporting entrepreneurship	Target	Investment of a total of 32 400 000 EUR in quasi-equity instruments supporting sustainable projects of SMEs
215	C 4.4: Enhancing the Efficiency of Public Administration - Reform 1: Increase efficiency, pro-client orientation and use of the principles of evidence-based decision-making in public administration	Milestone	Completion of a database with relevant data on processes, performance, personnel capacities in public administration by the Ministry of Interior
216	C 4.4: Enhancing the Efficiency of Public Administration - Reform 1: Increase efficiency, pro-client orientation and use of the principles of evidence-based decision-making in public administration	Target	Completion of training accredited by the Ministry of Interior on client-oriented approaches for front-office staff of central, regional or local authorities
217	C 4.5: Development of the Cultural and Creative Sector - Reform 1: Status of the Artist	Milestone	Entry into force of the law on the Status of the Artist
219	C 4.5: Development of the Cultural and Creative Sector - Investment 1: Development of regional cultural and creative sectors	Target	Opening of new regional cultural and creative centres to public

221	C 4.5: Development of the Cultural and Creative Sector - Investment 2: Digitalisation of cultural and creative sector	Target	Number of completed projects of digitalisation of the cultural content
222	C 4.5: Development of the Cultural and Creative Sector - Investment 3: Creative vouchers	Target	Number of creative vouchers allocated to SMEs
225	C 5.1: Excellent Research and Development in the Health Sector - Investment 1: Public Research & Development support for priority areas of medical sciences and related social sciences	Target	Validation of at least four national Research & Development consortia and their integration in the Czech Research & Development system as national research authorities
233	C 6.1: Increasing Resilience of the Health System - Investment 1: Creation of the Intensive Medicine Simulation Centre and optimisation of the education system	Milestone	Intensive Medicine Simulation Centre put in operation
235	C 6.1: Increasing Resilience of the Health System - Investment 3: Building a centre for cardiovascular and transplant medicine	Milestone	Centre for Cardiovascular and Transplant Medicine fully operational
243	C 6.2: The National Plan to Strengthen Oncological Prevention and Care - Investment 3: Establishment and development of the Center for Oncological Prevention and Infrastructure for Innovative and Supportive Care at the Masaryk Memorial Cancer Institute	Milestone	Cancer Prevention Center at the Masaryk Memorial Cancer Institute
244	C 6.2: The National Plan to Strengthen Oncological Prevention and Care - Investment 3: Establishment and development of the Center for Cancer Prevention and Infrastructure for Innovative and Supportive Care at the Masaryk Memorial Cancer Institute	Milestone	Expansion of facilities for Innovative and Supportive Care at the Masaryk Oncology Institute
		Instalment Amount	EUR 2 162 611 952

1.9. Ninth Instalment (non-repayable support):

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
10	C 1.1: Digital services to citizens and businesses - Investment 1: Digital services for end users	Target	Completion of the listed projects leading to an increase of the number of filled forms sent by natural and legal persons to state authorities in a digital way (through portals or digital mailboxes)
39	C 1.3: High Capacity Digital Networks - Investment 1: Building high-capacity connections	Target	Completion of address points connected with the very high capacity network (VHCN)
44	C 1.3: High Capacity Digital Networks - Investment 3: Supporting the development of 5G mobile infrastructure in rural investment-intensive white areas	Target	Completion of base stations for 5G signals
104	C 2.2: Reducing Energy Consumption in the Public Sector - Investment 1: Improving the energy performance of state buildings	Target	Reduction of energy consumption

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
107	C 2.2: Reducing Energy Consumption in the Public Sector - Investment 2: Improving the energy performance of public lighting systems	Target	Reduction of energy consumption
109	C 2.2: Reducing Energy Consumption in the Public Sector - Investment 3: Improving the energy performance of public buildings	Target	Reduction of energy consumption
112	C 2.3: Transition to Cleaner Energy Sources - Investment 1: Development of new photovoltaic energy sources	Target	Increase of installed capacity of FVE sources
114	C 2.3: Transition to Cleaner Energy Sources - Investment 2: Modernisation of distribution of heat in district heating systems	Target	Primary energy savings resulting from the modernisation of heat distribution
122	C 2.4: Clean Mobility - Investment 6: Aid for purchase of vehicles (battery trolleybuses and low-floor tramways) for public transport in the city of Prague	Target	Number of vehicles (battery trolleybuses and low-floor trams) for public transport in the city of Prague
171	C 3.1: Innovation in Education in the Context of Digitalisation - Investment 1: Implementation of the revised curriculum and digital skills of teachers	Target	Number of schools which received support to imúplement new IT curricula (digital skills of teachers and guidance)
175	C 3.1: Innovation in Education in the Context of Digitalisation - Investment 2: Digital equipment for schools	Target	Number of schools supported in counselling and mentoring on IT equipment and internal IT systems
177	C 3.2: Adaptation of School Programmes - Reform 1: Transformation of universities to adapt to new forms of learning and changing needs of the labour market	Target	Number of new accredited study programmes
178	C 3.2: Adaptation of School Programmes - Reform 1: Transformation of universities to adapt to new forms of learning and changing needs of the labour market	Target	Number of new reskilling and upskilling courses
206	C 4.3: Anti-Corruption Reforms - Reform 4: Regulation of lobbying	Milestone	Entry into force of the law on lobbying
227	C 5.2: Support for Research and Development in Companies and Introduction of Innovations into Business Practice - Investment 1: Supporting the uptake of innovation in business practice	Target	Introduction of product, process or organisational innovations
22	C 1.2: Digital Public Administration Systems - Investment 2: Development of core registers and facilities for eGovernment	Milestone	Provision of cloud computing services to public authorities
180	C 3.2: Adaptation of School Programmes - Investment 1: Development of selected key academic sites	Target	Number of square metres of new university area
238	C 6.2: The National Plan to Strengthen Oncological Prevention and Care - Reform 2: Supporting and enhancing quality of preventive screening programmes	Target	Increase in the coverage of the target population by the colorectal cancer screening programme
239	C 6.2: The National Plan to Strengthen Oncological Prevention and Care - Reform 2: Supporting and enhancing quality of preventive screening programmes	Target	Number of participants in the new early lung cancer detection programme
241	C 6.2: The National Plan to Strengthen Oncological Prevention and Care - Investment 1: Building and establishment of the Czech	Milestone	The Czech Oncology Institute put in operation

Sequential Number	Related Measure (Reform or Investment)	Milestone / Target	Name
	Oncological Institute		
242	C 6.2: The National Plan to Strengthen Oncological Prevention and Care - Investment 2: Developing highly specialised oncological and hematooncological care	Target	Number of supported facilities providing oncological and hematooncological care
		Instalment Amount	EUR 605 531 346

SECTION 3: ADDITIONAL ARRANGEMENTS

1. Arrangements for monitoring and implementation of the recovery and resilience plan

The monitoring and implementation of the recovery and resilience plan of Czechia shall take place in accordance with the following arrangements:

In order to establish well-defined tasks, competences and powers, the Czech Government adopted on 17 May 2021, the Government resolution No 467. This resolution approved the recovery and resilience plan, statute, rules of procedures and ethical code for the Managing Council of the national recovery and resilience plan, tasks and competences of the bodies involved in the implementation of the recovery and resilience plan and appointed the Ministry of Industry and Trade as coordinating body and the Ministry of Finance as the audit body for the recovery and resilience plan.

The Managing Council of the national recovery and resilience plan is the highest decision-making and approval body with the responsibility for the overall coordination and monitoring of the recovery and resilience plan. Payment claims have to be approved by this council. The Ministry of Industry and Trade, as the central coordinating body for the recovery and resilience plan and its implementation, is responsible for coordination, monitoring and reporting of the recovery and resilience plan and is main point of contact for the Commission. This body is also responsible for drawing-up of the payment claims and management declarations. It coordinates the reporting of milestones and targets, relevant indicators, but also qualitative financial information and other data, such as on final recipients. The data encoding is taking place in decentralized information systems throughout systems at the level of component owners, which are obliged to report the required data to the Ministry of Industry and Trade. Following a recent audit on other EU programmes, the Ministry of Industry and Trade has received a qualified audit opinion due to the absence of effective measures targeting the prevention, detection and correction of cases of conflict of interest. Dedicated milestones are included to the plan to ensure that these weaknesses have been addressed before the first payment request.

2. Arrangements for providing full access by the Commission to the underlying data

In order to provide full access to the Commission to the underlying relevant data, Czechia shall have in place the following arrangements:

The Ministry of Industry and Trade, as the central coordinating body for Czechia’s recovery and resilience plan and its implementation, is responsible for overall coordination and monitoring of the plan. In particular, it acts as a coordinating body for monitoring progress on milestones and targets, where appropriate, for carrying out management verifications, and for providing reporting and requests for payments. It coordinates the reporting of milestones and targets, relevant indicators, but also qualitative financial information and other data, such as on final recipients. The data encoding is taking place in decentralised systems throughout different component owners, which are obliged to report the required data to the coordinating body.

In accordance with Article 24(2) of Regulation (EU) 2021/241, upon completion of the relevant agreed milestones and targets in Section 2.1 of this Annex, Czechia shall submit to the Commission a duly justified request for payment of the financial contribution. Czechia shall ensure that, upon request, the Commission has full access to the underlying relevant data that supports the due justification of the request for payment, both for the assessment of the

request for payment in accordance with Article 24(3) of Regulation (EU) 2021/241 and for audit and control purposes.