EUROPEAN
COMMISSION

Brussels, 16.11.2020
SWD(2020) 266 final

PART 3/3

COMMISSION STAFF WORKING DOCUMENT

EVALUATION

OF THE OUTDOOR NOISE DIRECTIVE 2000/14/EC

Accompanying the document

Report from the Commission to the European Parliament and the Council

on the implementation and administration of Directive 2000/14/EC of the European Parliament and of the Council of 8 May 2000 on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors

{COM(2020) 715 final} - {SWD(2020) 267 final}

Table of contents

ANNEX 8: INTERNATIONAL TRADE DATA FOR OUTDOOR EQUIPMENT..... 99

Annex 8: International trade data for outdoor equipment

1. Introduction

This annex analyses international trade data of some outdoor equipment in order to investigate if there are any changes in outdoor equipment exports and imports due to the adoption of Directive 2000/14/EC (OND thereafter) from its entry into force in 2002.

It is analysed, in particular, if trade of some equipment in scope of the OND was affected by noise limits established for the same equipment by the Directive. Article 12, defining "Stage I" limits was applicable from 3 January 2002, followed by "Stage II" limits applicable as from 3 January 2006. Due to the OND, products placed on the EU market have to comply with stricter noise requirements than in the rest of the world.

2. Methodology

57 types of equipment are in scope for the OND, but exact data exist only for 6 categories out of 57 products from ESTAT. Other products are part of a bigger group of outdoor equipment, hence cannot be clearly identified.

The list of the 6 products by this analysis covers:

1. Concrete or mortar mixers CN 84743100, falls under Article 13;
2. Self-propelled boring or sinking machinery for boring earth or extracting minerals or ores (excl. those mounted on railway or tramway wagons, motor vehicle chassis or lorries and tunnelling machinery), CN 84304100, corresponding to :
    a. Drill rigs (Prodcom code:28921253); falls under Article 13;
    b. Dumpers (< 500 kW) (Prodcom code:28922900) fall under Article 12;
3. Tower cranes CN 84262000; falls under Article 12 ;
4. Concrete-mixer lorries CN 87054000[1];
5. Crane lorries[2] (excl. breakdown lorries) CN 87051000; 87051000 ;
6. Tools[3] CN 44170000.

[1] There is no type of product called ''Concrete-mixer lorries'' in OND, there is only a ''Truck mixer'' (item 55 Annex 1)

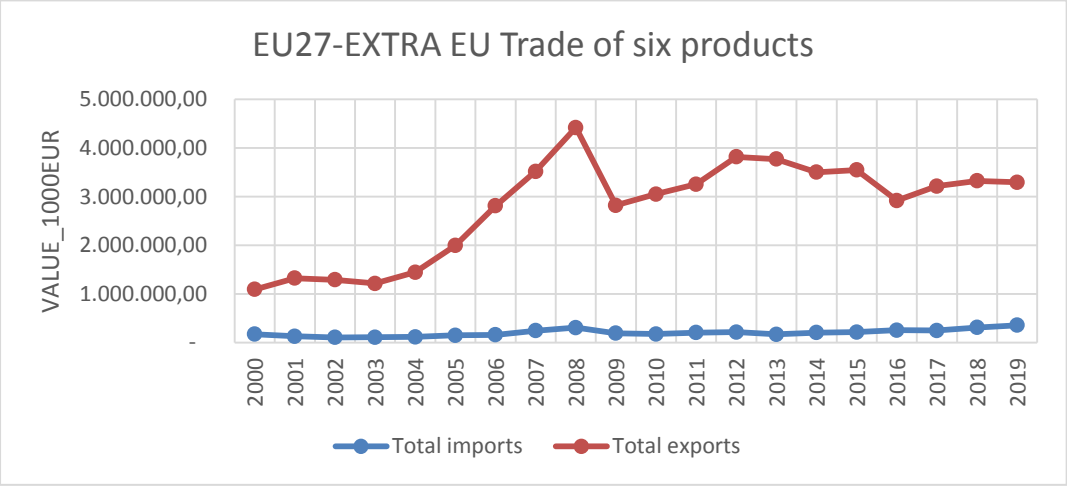
[2] There is no type of product called 'Crane lorries'' in OND, there is only ''Mobile crane'' (item 38 Annex 1, falls under Articl2 12)

[3] There is no type of product called '44170000 - Tools, tool bodies, tool handles, broom or brush bodies and handles, of wood; boot or shoe lasts and shoetrees, of wood'' in OND, there is only ''Power Sweepers'' (item 46 Annex 1, falls under Article 13).

3. Overall trade trends

For both, imports and exports, products show a strong correlation with the general economic situation. A major down turn in exports happened after 2008 due to the financial crisis. The crises and recoveries of the construction sector seem to have a strong impact on the sales of five out of six types of products which are used in sector: Concrete or Mortar mixers; Drill Rigs and Dumpers; Tower Cranes; Concrete-mixer Lorries.

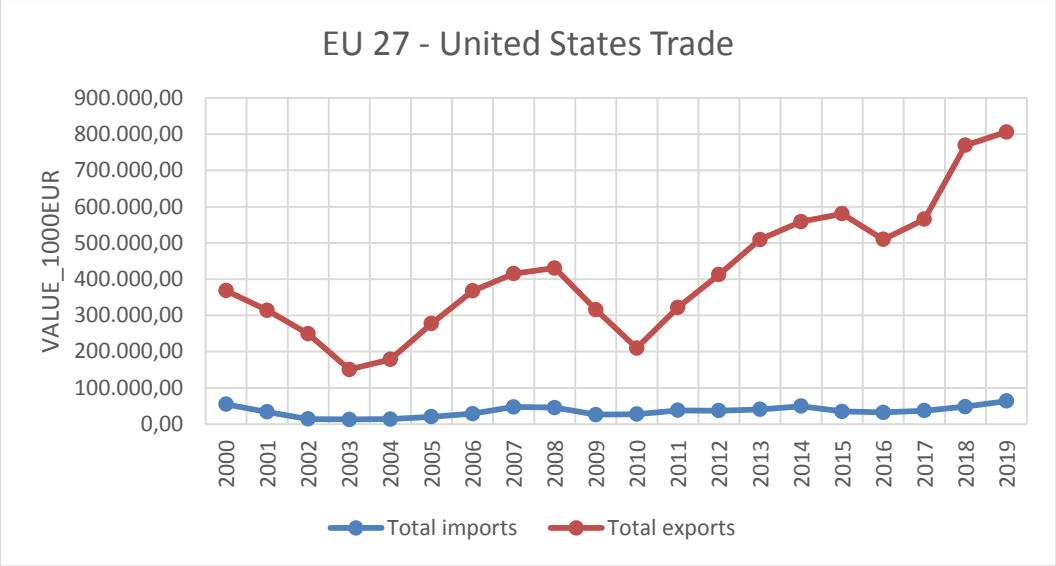
There was a slight decrease in exports around 2002, when the OND entered into force, but not in 2006, when requirements for some products were modified.



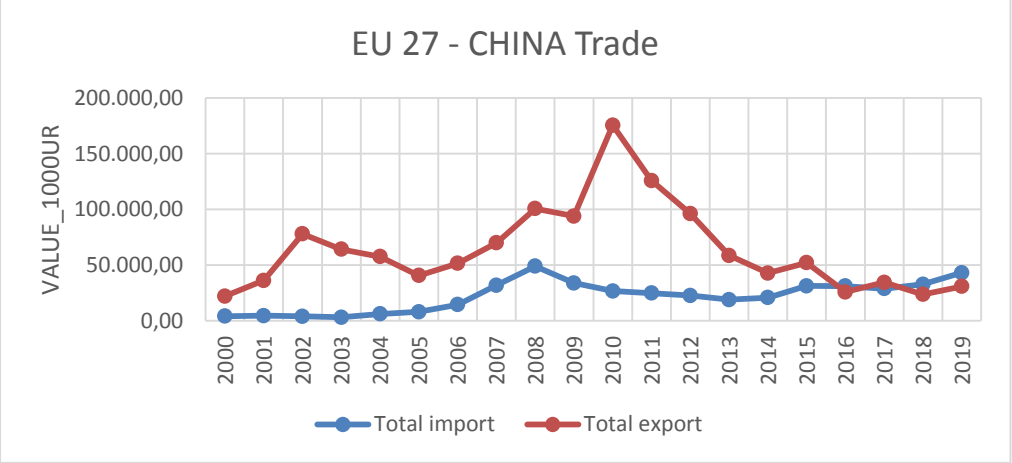
EU 27 – EXTRA EU Trade of six products. List of products is in Methodology section Annex 8 above

For China and the United States[4], which are the current EU 27 main trade partners in manufacturing goods, there were no significant changes in imports in 2002 and 2006, the two critical years for the changes introduced in the OND requirements while a direct correlation can be found with the general economic situation and the construction sector activities, in particular.

[4] Reference EUROSTAT Statistics Explained [https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Extra-EU_trade_in_manufactured_goods#Manufactured_goods_dominate_international_trade]

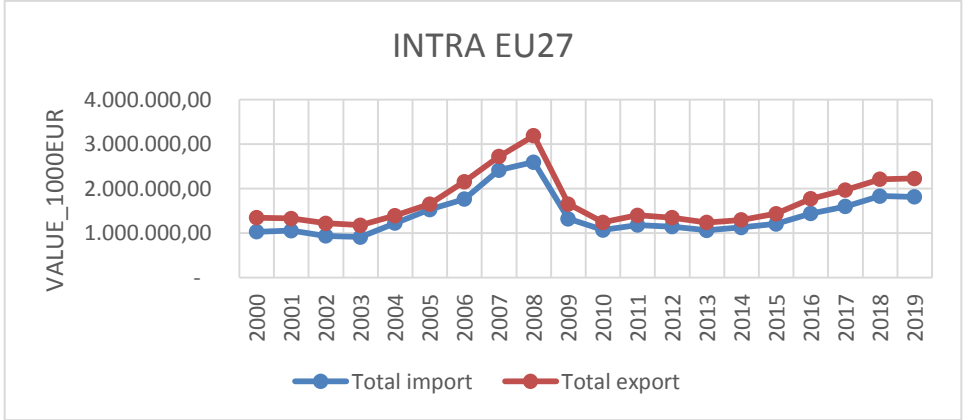


EU 27 – US Trade of six products. List of products is in Methodology section Annex 8 above



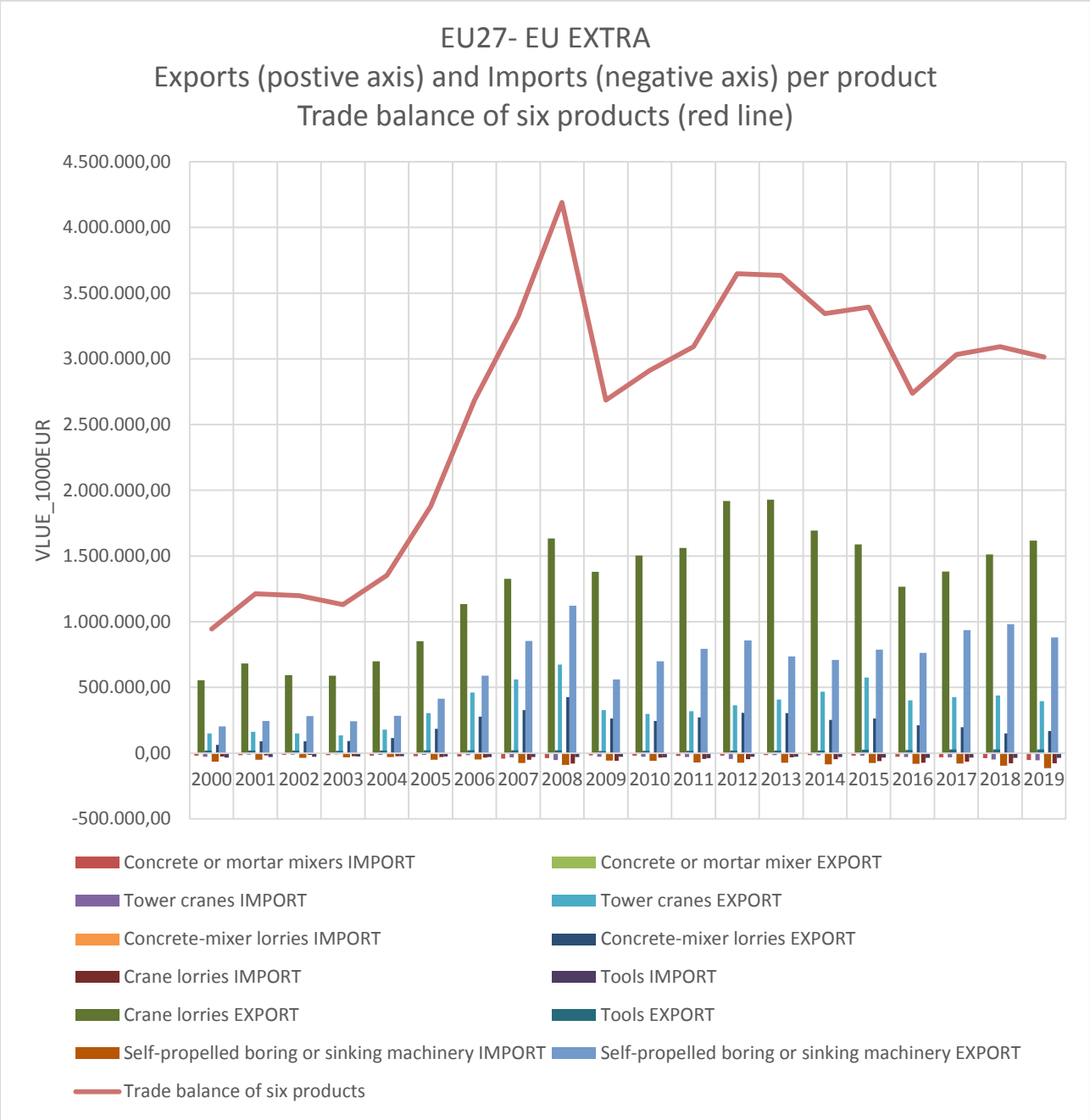
EU 27 – China Trade of six products. List of products is in Methodology section Annex 8 above

Intra EU 27 trade data in the six products does not show significant change in trade in 2002 compared to the sharp drop during the 2008 financial crisis, which is followed by a mild recovery and then a new slight downturn in 2011.



1. Trends at product level

Crane Lorries are the most exported type of product per value and follows a similar pattern as the trade balance of the six products with no significant decrease in 2002 compared to 2008 when they had a major fall due to the global financial crisis. The general trend for the products follows a similar one as the intra-EU trade.



Combined graph of exports on positive axis, imports on negative and trade balance shown as a line

2. Conclusions

The trade data for the six products available out of 57 products in scope of the OND do not allow for a comprehensive trade analysis. They are only a small sample of overall products and they represent a sub-sector belonging to the construction industry. Hence, the results are partial and related to the general trend of the EU and global economy, and the construction sector in particular.

From the six products analysed, no clear link in trade terms can be found with the new provisions introduced on noise requirements while trade was mostly affected by the 2008 financial crisis.