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Trade in Intermediate Goods and International Supply Chains in CEFTA







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FOREWORD

The eight Parties¹ to the Central European Free Trade Agreement (CEFTA) 2006 are aspiring to achieve a series of ambitious goals. These are: to expand trade in goods and services; foster investment, eliminate trade barriers, protect intellectual property rights in accordance with international standards and harmonise provisions on key trade policy issues.

In addition to implementing traditional trade-related liberalisation measures, CEFTA 2006 requires the Parties to undertake investment policy commitments. They include non-discriminatory treatment of investment underpinned by the principle of national treatment, and require the Parties to coordinate their investment policies and progressively open their government procurement markets.

To monitor the implementation of the investment-related clauses, the CEFTA Parties have mandated the CEFTA Secretariat to periodically review the status of compliance. The Organisation for Economic Co-operation and Development's Investment Compact for South-East Europe (OECD-IC) assists the CEFTA Secretariat in this effort, with financial support from the European Commission.

To enhance their competitiveness, CEFTA countries need to promote effective investment and trade policies that will help them move up the "global value chains". Today, the production of goods and services is increasingly taking place across the globe, with research and development, design, production of parts, assembly, and marketing, located across different countries. This trend, leading to greater investment and trade in intermediate goods, has implications for the development of adequate data and analysis in order to help governments design and implement well informed policies.

This report summarises the OECD-IC assessment of current trade in intermediate goods within the CEFTA region and the existing international supply chains of individual industries. It provides an overview of the region's trade patterns and identifies steps to support the Parties in further integrating global value chains and capturing more value from international linkages.

The key findings of this analysis were presented to the CEFTA Parties and various other stakeholders at the 3rd Budapest Roundtable (3-4 November 2011) during CEFTA Week 2011 (22-23 November 2011) and at the OECD workshop on Regional Trade Liberalisation, European Integration and Investment Flows in CEFTA (19-20 June 2012).

This report is part of a series of CEFTA Issues Papers, which is jointly produced by the OECD and the CEFTA 2006 Secretariat. These papers provide insights on a wide range of issues such as intellectual property rights, national treatment restructions, the elimination of non-tariff barrier (NTBs),

¹ The signatories of CEFTA 2006 are: Albania, Bosnia and Herzegovina, Croatia, the Former Yugoslav Republic of Macedonia, the Republic of Moldova, Montenegro, Serbia, and Kosovo*.

^{*} This designation is without prejudice to positions on status, and is in line with UNSCR 1244/99 and the ICJ Opinion on the Kosovo declaration of independence.

and trade in services liberalisation. They support the wider objective of the OECD-IC and the CEFTA bodies to enhance growth and employment in CEFTA economies through deeper regional, European and global economic integration.

in.

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The views expressed in this publication are those of the OECD-IC and do not reflect the official position of CEFTA institutions or any of the CEFTA Parties.

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EXECUTIVE SUMMARY

Economic globalisation, falling trade costs and technological progress have driven the international fragmentation of production and the development of international supply chains. As a consequence, trade in intermediate inputs, which connects the different production stages of international supply chains, plays a dominant role in world trade flows and allows countries around the world to enhance productivity, competition and innovation.

The eight CEFTA 2006 Parties (Albania, Bosnia and Herzegovina, Croatia, Kosovo*, the FYR Macedonia, Moldova, Montenegro and Serbia) have undertaken major efforts to liberalise trade of industrial products and implement investment policy commitments. This has led to deeper regional integration and stronger political and economic convergence towards the European Union (EU). These past achievements, along with current efforts to eliminate non-tariff barriers (NTBs) to trade and start negotiations on services trade liberalisation, can foster the development of regional supply chains and facilitate the integration into European supply chains.

This study examines the trade flows of intermediate and final goods to analyse the integration of CEFTA 2006 economies in international supply chains. In particular, it focuses on: the most important supply chains in CEFTA economies; the position of CEFTA economies in supply chains; and on the importance of intra-CEFTA versus extra-CEFTA supply chains.

Intermediate goods have been an important driver of overall export growth in CEFTA economies and accounted for 59% of manufacturing exports in 2010, compared to 55% in EU27 countries. Intermediate goods exports in medium-low technology industries are responsible for this high share, in particular, "Basic Metals" and "Fabricated Metal Products", which are the most important supply chains for CEFTA economies.

The measure of revealed comparative advantage (RCA) shows that CEFTA economies are the most specialised and hence the most competitive in intermediate and final goods exports in low-technology industries, and in intermediate goods exports in medium-low technology industries. To identify a country's position in supply chains, the export specialisation of an industry is linked to the import specialisation in intermediate goods of the industry's most important supplying industry. This results in a supply chain matrix that indicates whether the country is integrated at the first, intermediate or final stage of a supply chain.

In line with their export competitiveness, CEFTA economies are most heavily integrated in the supply chains of the low technology industries "Food, Beverages and Tobacco" and "Textiles, Clothing" and in

^{*} This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo declaration of independence.

the supply chains of the medium-low technology industries "Basic Metals" and "Fabricated Metal Products". In particular, the different CEFTA economies cover the entire supply chain in the industries "Food, Beverages and Tobacco", "Basic Metals" and "Fabricated Metal Products". In the "Food, Beverages and Tobacco" chain, CEFTA economies are mostly integrated at the final stage, while in the supply chain related to the two metal industries, CEFTA economies are positioned mostly at intermediate stages.

CEFTA economies export more than 70% of their products to countries that are not part of their free trade agreement, indicating the overall importance of international supply chains for the region. However, depending on the industry, supply chains tend to be more regional, intra-CEFTA, or more international, extra-CEFTA. While the food supply chain has a significant regional aspect with 43% of intermediate goods being exported intra-CEFTA, the metals supply chains are more internationally organised as more than 70% of intermediate goods exports of CEFTA economies go to countries outside CEFTA 2006.

The increasing importance of supply chains and the results of this study identify three policy options for consideration by policy makers from CEFTA economies. First, policy makers could step up their efforts to identify and promote high value added activities in which CEFTA economies can be competitive on international markets. Building on this study, future analysis could address the value added content of particular activities by going into more detail for specific industries. Along the same lines, further work may assess whether and how foreign direct investment (FDI) can support the movement of CEFTA economies up the value chain. For instance, FDI can contribute to the learning and technological upgrading of domestic suppliers or can increase the demand for medium- and high-skilled workers. Second, CEFTA economies need to continue fostering closer regional integration and cooperation to reap the benefits of synergies and complementarities within supply chains. Finally, CEFTA Parties could enhance their efforts to coordinate the elimination of NTBs and the adoption of the EU acquis in order to minimise potential trade distortions within supply chains.

INTRODUCTION

1. International supply chains, often also referred to as global value chains or international production networks, play a dominant role in world trade and are a key factor for economic development.

2. Intermediate inputs represent 56% of goods trade and 73% of services trade in OECD countries (Miroudot et al., 2009) and imports of intermediate goods increasingly determine the export competitiveness of countries (Beltramello et al., 2012). For the majority of OECD countries more than half of the value of exports stems from products traded in the context of global value chains (De Backer and Miroudot, 2012). Timmer et al. (2012) show that vertical specialisation as measured by the share of imported intermediate inputs in manufacturing gross output has increased for almost all developed and emerging economies. In particular, East Asian economies are characterised by increasing two-way integration, i.e. trade in intermediate inputs increased in both directions between Japan, South Korea and Taiwan on the one hand and China on the other hand.

3. Emerging economies are increasingly able to capture income in international supply chains. Using the World Input Output Database³, Timmer et al. (2012) developed an indicator of global value chain income for countries, measuring the income of labour and capital from activities (agriculture, manufacturing, services, etc.) which were directly or indirectly used to produce final manufacturing goods. Between 2005 and 2009, emerging economies increased their share in world income arising from global value chains. In particular, while in the past years the income share of the EU has remained relatively stable, close to 30%, China has more than doubled its income share since 1995 reaching about 15% in 2009.

4. Supply chains can be characterised along various dimensions including geography, ownership, activities and linkages. A supply chain can be national or international when the production process is spread over more countries. If a supply chain is international, cross-border trade in intermediate inputs is a natural consequence linking the different production stages. In the context of international supply chains, the concept of offshoring, i.e. the relocation of production abroad, and its determinants and consequences are of great relevance to policy makers as domestic jobs are affected. Ownership is another feature: supply chains can consist of independent firms or of affiliated firms. If the entire or a part of a supply chain is constituted by affiliated firms, then intra-firm trade arises as a result. The decision of a firm on whether to source intermediate inputs from within or outside the firm's boundaries is referred to as decision between vertical integration and outsourcing.

5. Antràs and Helpman (2004) provide a North-South modelling framework that explains both offshoring and outsourcing of firms. In their model, the decision to offshore depends on the trade-off between lower labour costs abroad (South) compared to lower fixed costs at home (North). On the other hand, the decision to vertically integrate or to outsource depends on the trade off between the ownership advantage in the form of lower transaction costs and the better incentives for the supplier in the case of outsourcing.

6. Furthermore, supply chains can involve both intra-industry and/or inter-industry linkages. While inter-industry linkages are sometimes neglected in academic and policy debates, they are actually of major importance. For instance, services such as telecommunications, financial services or business services

^{3.} The database is the output of a project involving several European Research Insitutions and has been funded by the European Commission as part of the 7th Framework Programme. The database is publicly available at the following website: <u>http://www.wiod.org/</u>

constitute significant inputs in the production process of manufacturing industries. Besides industry linkages, supply chains can also be represented as business functions such as research and design, production, marketing, distribution and support to the final consumer (Gereffi and Fernandez-Stark, 2011) or as a set of different "tasks" carried out by workers. For instance, Lanz et al. (2011) show that most occupations consist of a bundle of both "offshorable" and "non-offshorable" tasks highlighting the benefits of multi-tasked workers and the limits of the international division of labour.

7. The increasing importance of international supply chains has several implications for policy makers going beyond trade policy and covering issues such as trade and employment, national competitiveness and growth, moving up the value chain and innovation and global systemic risks (De Backer and Miroudot, 2012). For policy makers of the eight CEFTA 2006 Parties Albania, Bosnia and Herzegovina, Croatia, the FYR Macedonia, Moldova, Montenegro, Serbia and Kosovo^{*4}, the following issues are of particular relevance:

- **Regional integration:** CEFTA Parties are small economies, which generally tend to be more integrated in and reliant on international supply chains (De Backer and Miroudot, 2012). Due to their common history, (six out of eight CEFTA Parties formed the SFR Yugoslavia), CEFTA Parties have similar factor endowments and industrial structures which can allow them to develop and deepen regional supply chains by exploiting synergies and complementarities. Furthermore, regional integration and cooperation can make CEFTA Parties a more attractive investment location to lead firms of international supply chains.
- Non-tariff barriers (NTBs) to trade: CEFTA economies aim at eliminating NTBs between themselves to further trade integration and integration of regional supply chains. At the same time, CEFTA Parties are in the process of adapting the relevant EU acquis on their path towards accession. On this latter process, CEFTA Parties move to some extent in an uncoordinated fashion and at different speeds, which can lead to distortions in existing regional supply chains (OECD, 2012). Understanding the most relevant regional supply chains will allow policy makers to better coordinate the elimination of NTBs and the adoption of EU acquis, minimising potential trade distortions during their transition towards the EU.
- **Capturing high value added activities:** A crucial question for policy makers to consider in the context of international supply chains is how much value added the country contributes to the supply chain. For instance, CEFTA economies are well integrated into international supply chains in the textiles and clothing industry, importing intermediate products and exporting mainly final products. While exports are high, it is difficult to assess how much of the value of exports is actually due to domestic value added or due to foreign value added incorporated in the form of intermediate inputs. Hence, policy makers face the challenge of identifying high value added activities where CEFTA economies can be competitive on international markets, i.e. where do CEFTA economies have the potential to "move up the value chain"? Should CEFTA economies specialise in particular industries or rather try to move to different stages or specialise in different business functions in an existing value chain?

8. This study uses data on intermediate and final goods trade to analyse the integration of CEFTA 2006 economies in international supply chains. In particular, it uses the OECD STAN Bilateral Trade Database by Industry and End-use (BTDIxE) which provides bilateral trade flows of intermediate and final goods for industries based on the International Standard Industrial Classification, Revision 3 (ISIC Rev.3).

^{4.} Kosovo* is not covered by this study as trade data are not available in the OECD BTDIxE database.

9. Input-output tables are another main source of information for analysing supply chains as they provide information on value added and on intra- and inter-industry linkages. Building on national input-output tables, recent projects⁵ have developed international input-output tables, which provide information on international industry linkages, allowing a better identification of which countries actually add most value in international supply chains. Unfortunately, with the exception of the FYR Macedonia no national input-output tables are available for CEFTA economies. Therefore, this study uses the EU27 input-output table to identify the most important supplying industry.

10. The rest of the paper is structured as follows. Section 2 describes the patterns and importance of international supply chains by assessing intermediate and final goods trade. Section 3 analyses the competitiveness of intermediate and final goods exports of CEFTA economies based on the measure of revealed comparative advantage (RCA). Section 4 combines RCA measures for imports of intermediate inputs and exports with information on industry linkages to indicate the position of countries in supply chains. Section 5 concludes the analysis and provides a set of recommendations for policy-makers.

^{5.} The World Input-Output Database (WIOD) project (<u>www.wiod.org</u>) and the OECD inter-country inputoutput (ICIO) model as part of the OECD-WTO initiative to measure trade in value added.

SUPPLY CHAIN PATTERNS – TRADE IN INTERMEDIATE AND FINAL GOODS

How important is trade in intermediate goods?

11. Figure 1 shows that CEFTA economies experienced a higher growth of both manufacturing exports and imports compared to EU27 economies between 2004 and 2008. Import growth in particular was high between 2006 and 2008 in CEFTA. However, CEFTA economies also experienced a more severe trade collapse during the economic crisis in 2009. While manufacturing trade continued to fall in EU27 economies in 2010, it recovered in CEFTA economies after its sharp decline in 2009.

12. Intermediates were an important driver of overall export growth in CEFTA economies, which can be seen by the increasing share of intermediate goods between 2004 and 2010. Furthermore, intermediate goods account for a higher share in manufacturing trade in CEFTA than in EU27. The difference is greatest for the case of exports, where in 2010, 59% of CEFTA exports were intermediate goods compared to 55% in the EU27.





Source: OECD calculations based on data from the OECD BTDIxE Database; Note: Data have been estimated for Montenegro in 2004 and 2005 using its CEFTA trade shares of 2006, and for the FYR Macedonia in 2010 (using shares of 2009) and 2008 (for exports only; using the average share of 2007 and 2009).

What are the most important supply chains in CEFTA economies?

13. Medium-low technology industries are the main exporters of intermediate goods.⁶ Figure 2 shows that in 2009 intermediate goods accounted for 96% or more than EUR 4.5 bn of medium-low technology exports. This high share of intermediate goods reflects to a large extent the nature of the medium-low technology industries. For instance, in the EU27, intermediate goods accounted for 91% of

^{6.} See Table 1 in Section 4 for the technology classification of industries.

medium-low technology exports (Table 4 in Annex I). Medium-high technology industries are the second biggest exporters of intermediate goods followed by low technology industries, which overall export the most.





Source: OECD calculations based on data from the OECD BTDIxE Database

14. Figure 3 shows that "Basic Metals" and "Fabricated Metal Products" are the medium-low tech industries exporting most intermediates. In particular, 100% or 1.5bn EUR of "Basic Metals" exports are intermediate goods. While most products of the "Basic Metals" industry are by nature intermediate goods, the high export value in "Basic Metals" indicates the industry specialisation of CEFTA economies. Intermediate goods exports are highest in "Chemicals" and in "Electrical machinery n.e.c" for medium-high technology industries, and in "Coke, Petroleum Products" for low technology industries.

15. Overall exports are by far the highest in "Textiles, Clothing" and "Food, Beverages and Tobacco". However, for each of these two industries, final goods constitute more than 85% of exports reflecting the nature of the industry and the specialisation of CEFTA economies in final stages of the supply chain.



Figure 3. CEFTA exports in 2009 and their decomposition (%) into intermediate and final goods by industry (EUR 1'000)

Source: OECD calculations based on data from the OECD BTDIxE Database

16. Tables 4 and 5 in Annex I provide more detail on exports and imports by industry and CEFTA economy. For both EU27 and CEFTA economies imports in medium-high technology industries are most important in value terms. However, while EU27 economies export the most in medium-high technology industries, CEFTA economies export the most in low technology industries.

17. Different shares of intermediate goods for the same industry indicate that countries differ in their product specialisation and their supply chain position respectively. For instance, 11% of Croatia's exports in "Food, Beverages and Tobacco" are intermediates, while for Serbia the share of intermediate exports is 18%. In "Fabricated Metal Products", intermediate goods account for 94% of exports in Bosnia and Herzegovina compared to 68% in Serbia.

18. The comparison of exports and imports of intermediates already provides a good indication where CEFTA countries are positioned in supply chains. In the industry "Motor Vehicles, Trailers", CEFTA economies import mostly final goods, e.g. finished cars, while exports are overall rather low and consist mainly of intermediate goods.

How important are intra-CEFTA versus extra-CEFTA supply chains?

19. CEFTA economies export more than 70% of their products to countries outside the free trade agreement, i.e. extra-CEFTA economies. Figure 4 provides the shares of intra- and extra-CEFTA exports of intermediate goods by technology grouping and by disaggregated industries. Figure 5 provides the respective shares for exports of final goods. With a share of 33%, intra-CEFTA exports of intermediates are most important for medium-low technology industries, which are at the same time the biggest exporters of intermediates. In particular, in the medium-low technology industry "Other Non-Metallic Mineral Products", more than half of intermediate exports are accounted for by intra-CEFTA trade.

20. In the case of ICT goods, intra-CEFTA exports account for only 13% of intermediate goods exports (Figure 4) while they account for 30% of final goods exports (Figure 5). The difference is particularly striking for the two ICT industries "Radio, TV and Communication" and for "Office, Computers" for which intra-CEFTA trade accounts respectively for 5% and 41% in the case of intermediate goods but 18% and 62% in the case of final goods. This relatively low importance of intra-CEFTA trade in intermediate ICT goods indicates international supply chains are more predominant compared to regional supply chains at intermediate stages of the production process.





Source: OECD calculations based on data from the OECD BTDIxE Database



Figure 5. Intra- and extra-CEFTA exports (%) of final goods by technology grouping and by disaggregated industries

Source: OECD calculations based on data from the OECD BTDIxE Database

21. More detail on intra- and extra-CEFTA exports and imports of single CEFTA economies are provided in Table 6 and Table 7 in Annex I. In particular, these tables show the values of final and intermediate goods trade and the respective shares of intra-CEFTA trade by industry and country. For instance, in "Food, Beverages and Tobacco", exports of CEFTA economies to CEFTA partners account for 50% of EUR 2 bn final goods exports and for 43% of EUR 370 mn intermediate goods exports. Croatia is the largest exporter of final food products and Serbia is the largest exporter of intermediate food products. Furthermore, both countries export slightly more food products to CEFTA economies than to countries outside CEFTA.

COMPETITIVENESS OF CEFTA ECONOMIES IN INTERMEDIATE AND FINAL GOODS EXPORT

22. To assess the competitiveness of CEFTA economies in exports of intermediate and final goods, the measure of revealed comparative advantage (RCA) is applied. RCA captures a country's relative export specialisation in a given industry by dividing the industry market share by the manufacturing market share for exports. Hence, a RCA index higher than one indicates that a country is specialised and hence competitive in exports of a particular industry relative to overall manufacturing. In particular, the RCA in intermediate (final) exports of country i in industry k is calculated as the ratio of the share of country i in world intermediate (final) exports of industry k relative to the share of country i in world exports of manufacturing:

$$RCA_{ik,intermediates} = \frac{\left(\frac{X_{ik,interm.}}{X_{World,k,interm.}}\right)}{\left(\frac{X_i}{X_{World}}\right)} \quad \text{and} \quad RCA_{ik,final} = \frac{\left(\frac{X_{ik,final.}}{X_{World,k,final}}\right)}{\left(\frac{X_i}{X_{World}}\right)}$$

23. Figure 6 shows the RCA of CEFTA economies in exports of intermediate and final goods by technology grouping. CEFTA economies have a RCA in low technology industries for both intermediate and final goods exports and in medium-low technology industries for intermediate goods exports. Figure 6 also shows that EU27 economies are more specialised than CEFTA economies in higher technology industries.

Figure 6. Revealed comparative advantage of CEFTA and EU27 in intermediate and final goods exports by industry grouping in 2009



Source: OECD calculations based on data from the OECD BTDIxE Database

24. Figure 7 provides more detail on the export competitiveness of industries in the CEFTA region. The competitiveness of CEFTA in low technology final goods exports is driven by the industries "Textiles, Clothing" and "Food, Beverages and Tobacco". Table 8 in Annex I further shows that all countries except Albania are relatively specialised in these two industries. The high RCA of intermediate exports of "Other Non-Metallic Products" reflects the fact that all CEFTA economies except Montenegro are relatively specialised in this industry, i.e. have a RCA greater than one. Figure 7 furthermore shows that CEFTA economies are specialised in intermediate goods exports in the medium-low technology industries "Basic Metals" and "Fabricated Metal Products" with RCAs larger than 1.5.

25. While the CEFTA region has no RCA in overall ICT and medium-high technology exports, it has a RCA in the medium-high technology industries "Electrical Machinery n.e.c." in both intermediate and final goods exports and in "Other Transport Equipment" in final goods export. Table 8 in Annex I shows that Croatia, Moldova and Serbia have a RCA in intermediate goods exports of "Electrical Machinery n.e.c." and Croatia also in final goods exports. In addition, in the case of "Other Transport Equipment", Croatia has a RCA in final goods exports thanks to its specialisation in shipbuilding.





Source: OECD calculations based on data from the OECD BTDIxE Database

SUPPLY CHAIN MATRIX: INTEGRATION OF CEFTA ECONOMIES IN INTERNATIONAL SUPPLY CHAINS

26. This section introduces the methodology used to identify international supply chains in each manufacturing industry of the CEFTA 2006 Parties. Building on measures of revealed comparative advantage (RCA) for both imports and exports, the supply chain matrix indicates whether an industry is integrated in an international supply chain and if yes, at which stage – first, intermediate or final. Depending on the industry characteristics, the position in supply chains can also provide an indication of whether CEFTA economies tend to be specialised in low or high value activities.

27. In the ideal situation, observing an industry's position in an international supply chain would be a rather straightforward exercise if detailed input-output (IO) tables would be joined with equally specific trade data. One could then link imports of certain products to specific uses in the manufacturing process of another product and track whether this latter product is exported and if yes, whether as an intermediate or as a final good. In practice, especially for the CEFTA 2006 economies, input-output tables are far from complete and exact; in most cases they are non-existent (with the exception of the FYR Macedonia).

28. Thus, the matrix methodology developed in this paper is a proxy, but still based on the same logic of linking the supply and use of intermediates to the manufacturing of another intermediate or of a final product, which is then exported. Once this logic is established, the need for approximating the intensity of both imports and exports comes naturally: the RCA methodology is used to determine the competitiveness of each industry in exporting its outputs, but also assesses the economy's specialisation in imports of intermediate goods that present the main inputs for the exporting industry under consideration. Given the lack of input-output tables for CEFTA 2006 economies, the EU27 input-output table is used to identify the main supplying industry of intermediate inputs, as detailed below in Table 1 alongside with the technological classification of each industry. With few exceptions industries, intra-industry linkages are most important, i.e. the main supplier of intermediate inputs is the industry itself.

| Code | Using Industry | Top Supplying Industry | Technology Classification |
|-------|--------------------------------------|---|------------------------------|
| 15T16 | Food products, Beverages and Tobacco | Food products, Beverages and Tobacco | Low Tech |
| 17T19 | Textiles, Leather and Footwear | Textiles, Leather and Footwear | Low Tech |
| 20 | Wood and Products of Wood and Cork | Wood and Products of Wood and Cork | Low Tech |
| 21T22 | Pulp, Paper, Printing and Publishing | Pulp, Paper, Printing and Publishing | Low Tech |
| 23 | Coke, Refined Petroleum Products | Chemicals and Chemical Products | Medium-Low Tech |
| 24 | Chemicals and Chemical Products | Chemicals and Chemical Products | Medium-High Tech |
| 25 | Rubber and Plastics Products | Rubber and Plastics Products | Medium-Low Tech |
| 26 | Other Non-Metallic Mineral Products | Other Non-Metallic Mineral Products | Medium-Low Tech |
| 27 | Basic Metals | Basic Metals | Medium-Low Tech |
| 28 | Fabricated Metal Products | Basic Metals | Medium-Low Tech |
| 29 | Machinery and Equipment, n.e.c | Basic Metals | Medium-High Tech |
| 30 | Office, Accounting and Computing | Office, Accounting and | ICT |

 Table 1. Top supplying industry and technological classification

| | Machinery | Computing Machinery | |
|-------|--|---|------------------|
| 31 | Electrical Machinery and Apparatus n.e.c | Electrical Machinery and Apparatus n.e.c | Medium-High Tech |
| 32 | Radio, TV and Communication Equipment | Rubber and Plastics Products | ICT |
| 33 | Medical, Precision and Optical Instruments | Electrical Machinery and Apparatus n.e.c | ICT |
| 34 | Motor Vehicles, Trailers and Semi-Trailers | Basic Metals | Medium-High Tech |
| 35 | Other Transport Equipment | Other Transport Equipment | Medium-High Tech |
| 36T37 | Manufacturing n.e.c; Recycling | Wood and Products of Wood and Cork | Low Tech |

Source: OECD analysis based on EU27 input-output table

29. Furthermore, the RCA index for the imports of intermediates of the top supplying industry is calculated. The target industry's RCA indices for the exports of intermediates and final products are also calculated. With these values, each target industry has two pairs: [RCAimp(intermediates), RCAexp(intermediates)] and [RCAimp(intermediates), RCAexp(final)].

30. Going back to the base logic of this methodology, what does it imply to be at the final stage of an international supply chain? In simple terms, in this situation a country would display a high propensity to export final products combined by a high propensity to import the intermediates used by this target industry. In an equivalent manner, a first stage position is determined by low (or no) imports of intermediate inputs and high exports of the target industry's intermediates. In between, being at an intermediate stage of a supply chain is equivalent to a combination of a high proclivity to import intermediate inputs and a high proclivity to export the target industry's intermediates.

31. In the RCA terminology, the position of countries in international supply chains is then determined as shown in Table 2, with the size of the bubble representing the value of exports:

| No (evidence of) Supply Chains | Final Stage in Supply Chains |
|--|--|
| RCAimp(intermediates)<1 | RCAimp(intermediates)>1 |
| RCAexp(final)>1 | RCAexp(final)>1 |
| First Stage in Supply Chains | Intermediate Stage in Supply Chains |
| | |
| RCAimp(intermediates)<1 | RCAimp(intermediates)>1 |
| RCAimp(intermediates)<1 RCAexp(intermediates)>1 | RCAimp(intermediates)>1 RCAexp(intermediates)>1 |

 Table 2.
 Supply chain matrix framework

32. Figure 8 shows the supply chain matrix for CEFTA 2006. At the level of the entire CEFTA 2006, many manufacturing industries are integrated at various stages in international supply chains. The two largest industries – "Textiles and Clothing" and "Food, Beverages and Tobacco" are integrated at the last stage of the supply chains. While CEFTA 2006 economies are specialised in these industries, given the industries' organisation it can signal that little value is captured at this final stage. On the other hand, several industries with smaller shares in CEFTA 2006's exports are at first or at intermediate stages of supply chains – examples include the industries of "Basic Metals", "Fabricated Metal Products", "Coke and Petroleum" and "Wood and Cork".



Figure 8. Export competitiveness and integration into supply chains: CEFTA 2006

Source: OECD calculations based on data from the OECD BTDIxE Database

33. Table 6 in Annex I shows that the industries highlighted by the supply chain matrix are integrated to different degrees in intra- and extra-CEFTA 2006 supply chains. While the exports of the "Food, Beverages and Tobacco" and other "Non-Metallic Mineral Products" are distributed equally in the region and outside the region, all other industries export about two-thirds of their intermediate or final goods outside the CEFTA 2006 economies. The most significant case is that of the "Textiles and Clothing" industry, for which only 5% of final goods exports are intra-CEFTA 2006.



Figure 9. Export competitiveness and integration into supply chains: Albania

Source: OECD calculations based on data from the OECD BTDIxE Database

34. In the case of Albania (as seen in Figure 9), the analysis reveals the strong position of the "Textiles and Clothing" industry in the final stage of its supply chain. Being one of the least technology intensive manufacturing industries, integration in the final stage can imply that little value is generated in Albania, despite the significant size of this sector. Other competitive industries captured by the supply chain matrices are also of low technological intensity: the industries of "Other Non-Metallic Mineral Products" and "Fabricated Metal Products" display comparative advantages, while being low or medium-low technology intensive.

35. Table 6 in Annex I reveals that Albania's integration in intra-CEFTA 2006 supply chains is limited: with the exception of the industry of "Other Non-Metallic Mineral Products" – with 68% intra-CEFTA 2006 exports – all other industries are integrated in extra-CEFTA supply chains, with very limited exports to other CEFTA 2006 economies. Even the largest industry – "Textiles and Clothing" – exports only 8% of its final goods to other CEFTA 2006 parties.



Figure 10. Export competitiveness and integration into supply chains: Bosnia and Herzegovina

Source: OECD calculations based on data from the OECD BTDIxE Database

36. In Figure 10, Bosnia and Herzegovina, third largest economy of CEFTA 2006, presents a more complex picture: once again the "Textiles and Clothing" and the "Food, Beverages and Tobacco" industries are integrated at the final stage of their respective supply chains, but now alongside the interlinked industries of "Wood and Cork" and "Paper, Printing and Publishing". Bosnia and Herzegovina's natural endowment of wood also results in the country's position in intermediates stages of supply chains for "Wood and Cork" and "Paper, Printing and Publishing" industries. Borderline between first stage and intermediate stage, heavier industries like "Basic Metals", "Fabricated Metals Products" and "Motor Vehicles" are found.

37. Table 6 in Annex I indicates that Bosnia and Herzegovina is mostly integrated in regional, intra-CEFTA 2006 supply chains. With the exception the "Textiles and Clothing" industry, all other industries export a significant share of their intermediate or final goods to CEFTA 2006 partners. 69% of the "Food, Beverages and Tobacco" final exports, 80% of the "Paper, Printing and Publishing" final exports, 48% of the "Basic Metals" intermediate exports and 44% of the "Wood and Cork" intermediate exports are traded within CEFTA 2006.



Figure 11. Export competitiveness and integration into supply chains: Croatia

Source: OECD calculations based on data from the OECD BTDIxE Database

38. As other CEFTA economies, Croatia is integrated into the final stages of the supply chains in "Food, Beverages and Tobacco" and in "Textiles and Clothing" (presented above in Figure 11). Nevertheless, the rest of the picture is more varied and more technologically sophisticated when compared with the other CEFTA 2006 economies. The more technology intensive industry of "Electrical Machinery" – with a clear revealed comparative advantage – is integrated at the first stages of international supply chains. "Wood and Cork", "Other Non-Metallic Mineral Products", "Paper, Printing and Publishing" and "Other Manufacturing" are clearly positioned in intermediate stages of supply chains, while the industry of "Coke and Refined Petroleum" is found at the first stages.

39. Croatia is arguably integrated in both regional and international supply chains. Table 6 in Annex I shows that some of its largest industries – "Food, Beverages and Tobacco", "Other Non-Metallic Mineral Products", "Coke and Petroleum Products" – export in equal volumes to both CEFTA 2006 and non-CEFTA 2006 partners. On the other hand, the rather large "Textiles and Clothing" industry is mostly integrated in international supply chains, with only 5% of exports of final goods reaching an intra-CEFTA 2006 destination.



Figure 12. Export competitiveness and integration into supply chains: FYR Macedonia

Source: OECD calculations based on data from the OECD BTDIxE Database

40. Figure 12 shows that the FYR Macedonia does not depart from the regional picture, being positioned in the final stages of the "Textiles and Clothing" and "Food, Beverages and Tobacco" supply chains. The remaining export competitive industries identified by the analysis are found at intermediate stages of supply chains: "Other Non-Metallic Mineral Products", "Basic Metals", "Fabricated Metals Products" and "Rubber and Plastics".

41. The FYR Macedonia presents arguably the highest level of integration in intra-CEFTA 2006 supply chains – jointly with Bosnia and Herzegovina. With the exception of the "Textiles and Clothing" industry, whose most of the exports are directed to non-CEFTA 2006 economies, all other industries are exporting to a large degree to destinations within CEFTA 2006. This applies to 83% of the "Food, Beverages and Tobacco" exports, 62% of the "Rubber and Plastics" exports and 57% of the exports of "Fabricated Metal Products".



Figure 13. Export competitiveness and integration into supply chains: Moldova

Source: OECD calculations based on data from the OECD BTDIxE Database

42. As Figure 13 details, Moldova supports the pattern of integration in supply chains of CEFTA 2006: "Textiles and Clothing" and "Food, Beverages and Tobacco", making use of imported intermediates to successfully export final goods, positioning these industries at the final stages of their respective supply chains. Moldova's "Food, Beverages and Tobacco" industry is also positioned at intermediate stages in supply chains, alongside the industries of "Electrical Machinery" and "Other Non-Metallic Mineral Products".

43. Distance plays a role in Moldova's reduced volume of intra-CEFTA 2006 trade and also in its integration in supply chains with other CEFTA 2006 economies. Table 6 in Annex I shows that the exports of the industries identified in the supply chains matrix to CEFTA 2006 partners are virtually zero, even for Moldova's two largest industries – "Food, Beverages and Tobacco" and "Textiles and Clothing".



Figure 14. Export competitiveness and integration into supply chains: Montenegro

Source: OECD calculations based on data from the OECD BTDIxE Database

44. The small economy of Montenegro presents only three significant industries integrated in international supply chains (as detailed in Figure 14). As the rest of its peers, Montenegro is integrated in the final stage of the supply chain of the "Food, Beverages and Tobacco" industry. At the other extreme, the rather large "Basic Metals" industry makes use of domestic intermediates to produce further intermediates, in whose export it has a competitive advantage, positioning the industry in the first stages of its supply chain. With a limited scope, the industry of "Wood and Cork" is present at an intermediate stage in international supply chains.

45. Table 6 in Annex I reveals that Montenegro's industries are mostly integrated in intra-CEFTA 2006 supply chains. 83% of the final goods exports of the "Food, Beverages and Tobacco" industry are directed to the other CEFTA 2006 partners; the same holds true for 75% of the intermediate good exports of the "Basic Metals" industry. Less integrated is the "Basic Metals" industry, whose only 31% exports reach an intra-CEFTA destination.



Figure 15. Export competitiveness and integration into supply chains: Serbia

Source: OECD calculations based on data from the OECD BTDIxE Database

46. Figure 15 shows that Serbia, CEFTA 2006's largest country, also presents a more developed picture: while it is positioned similarly to other regional peers at the final stage of the supply chain in the low-technology industry "Textiles and Clothing", the "Food, Beverages and Tobacco" industry presents no clear evidence of integration in supply chains, partially indicating a link between a strong domestic agriculture that turns its products directly into final goods that then compete successfully on international markets. This observation is further substantiated by the presence of the "Food, Beverages and Tobacco" industry at the first stage of the supply chain. At the intermediate stages of international supply chains, Serbia presents numerous industries - all low or medium-low technology – the largest being the heavy industries of "Basic Metals" and "Rubber and Plastics".

47. Table 6 in Annex I shows that Serbia exhibits integration in both intra- and extra-CEFTA 2006 supply chains, with slightly more exports directed non-CEFTA 2006 partners. The "Food, Beverages and Tobacco" industry exports around 50% of both intermediate and final good to CEFTA 2006 economies. The "Basic Metals" industry is integrated less in intra-CEFTA 2006 supply chains, with only 14% of

exports of intermediates reaching CEFTA 2006 economies. The remaining industries fluctuate around the mid-point, supporting the argument of Serbia's balanced integration in international and regional supply chains.

Integration into supply chains by industry

48. To complement the country-wise assessment, the integration of CEFTA economies into supply chains is assessed from the industry perspective. Table 3 indicates by industry the respective supply chain position of CEFTA economies. For instance, it shows that in the industry "Food, Beverages and Tobacco", CEFTA economies cover the entire spectrum of the supply chain. Serbia is positioned at the first stage of the chain, Moldova at the intermediate stage and five countries, Bosnia and Herzegovina, Croatia, Moldova, the FYR Macedonia and Montenegro at the final stage. As mentioned in the analysis by country, the "Food, Beverages and Tobacco" supply chain has a rather strong regional component compared to other supply chains where international markets are more important.

49. "Basic Metals" are by nature almost exclusively intermediate goods and often used as an input for "Fabricated Metal Products". Hence, it makes sense to assess these two industries as one industry group. Table 3 shows that for such a combined "Metals" supply chain, CEFTA economies cover all stages. In "Basic Metals", Bosnia and Herzegovina and Montenegro are positioned at the first stage meaning that they are not specialised in importing basic metals but are specialised and competitive in exporting them. On the other hand, the FYR Macedonia and Serbia are located at the intermediate stage, being specialised in both intermediate imports and exports of basic metals at the same time. The same two countries plus Albania and Croatia are also positioned at intermediate stages for "Fabricated Metal Products". Finally, Serbia, is also competitive and well integrated at the final stage. Compared to the industry "Food, Beverages and Tobacco", the "Metals" supply chains is more oriented towards international markets as about a third of final and intermediate goods exports go to countries outside CEFTA 2006.

50. While CEFTA economies tend to be well integrated into low and medium-low technology supply chains, they have not yet achieved successful integration into most supply chains of medium-high and ICT industries, as summarised by Table 3. For instance, in the supply chains of the ICT industries "Office, Computers", "Radio, TV and Communication", "Medical Instruments" as well as in the medium-high technology industries "Other Transport Equipment" and "Chemicals" no CEFTA economy is well integrated as captured by the supply chain matrix.

| Industry | First stage | Intermediate stages | Final stages |
|----------------------------------|-------------|------------------------------|------------------------------|
| Food, Beverages and Tobacco | SRB | MDA | BIH, HRV, MKD, MDA, MNE |
| Textiles, Clothing | | | ALB, BIH, HRV, MKD, MDA, SRB |
| Wood and Cork | | BIH, HRV, MNE, SRB | ALB, BIH |
| Paper, Printing and Publishing | | ALB, BIH, HRV, SRB | BIH, SRB |
| Coke, Petroleum Products | HRV | | |
| Chemicals | | | |
| Rubber and Plastics | | MKD, SRB | |
| Other Non-Metallic Mineral Prod. | | ALB, BIH, HRV, MKD, MDA, SRB | |
| Basic Metals | BIH, MNE | MKD, SRB | |
| Fabricated Metal Products | BIH | ALB, HRV, MKD, SRB | SRB |
| Machinery and Equipment, n.e.c | | | |
| Office, Computers | | | |
| Electrical Machinery n.e.c | HRV, SRB | MDA | |
| Radio, TV and Communication | | | |
| Medical, Instruments | | | |
| Motor Vehicles, Trailers | BIH | | |
| Other Transport Equipment | | | |
| Manufacturing n.e.c; Recycling | | HRV, SRB | BIH, MDA |

Table 3. Position of countries in industry supply chains

51. As already mentioned, while revealed comparative advantage and the supply chain matrix provide some indication on the position of CEFTA economies in international supply chains, the methodology does not give insight into how much value is actually created domestically at the different stages of the supply chain. From a perspective on domestic value added, it will depend on the industry characteristics whether more value is created at initial, intermediate or final stages. For instance, in many ICT products such as smartphones, most value is incorporated in intermediate inputs such as the display, the processor or design and engineering services as well as in marketing and retail margins while the pure assembly of the smartphone and its consequent does not add much value.

CONCLUSIONS

52. This study analysed the integration of CEFTA 2006 economies in international supply chains based on trade flows of intermediate goods and final goods. Intermediate goods have been an important driver of overall export growth in CEFTA economies and accounted for 59% of manufacturing exports in 2010, even more compared to 55% in EU27 countries.

53. Total CEFTA exports are highest in the low technology industries "Textiles, Clothing" and in "Food, Beverages and Tobacco" consisting however mostly of final goods. On the other hand, intermediate goods exports are highest in the medium-low technology industries "Basic Metals" and "Fabricated Metal Products". CEFTA economies export more than 70% of their products to countries outside their free trade agreement. However, there is a large variation in the share of intra-CEFTA exports between industries, between countries and also between final and intermediate goods therein.

54. CEFTA economies are most specialised and hence most competitive in intermediate and final goods exports in low-technology industries and in intermediate goods exports in medium-low technology industries. Not surprisingly, the more advanced EU27 countries tend to be specialised in intermediate and final goods exports in medium-high technology industries.

55. The measure of revealed comparative advantage and input-output linkages are used to indicate the export competitiveness and the integration of a country's industry in international supply chains. In particular, the export specialisation of an industry is linked to the import specialisation in intermediate goods of the industry's most important supplying industry. The resulting supply chain matrix provides an indication on whether a country is integrated at the first stage, intermediate stage or final stage of a supply chain.

56. In line with their export competitiveness, CEFTA economies are most heavily integrated in the supply chains of the low technology industries "Food, Beverages and Tobacco" and "Textiles, Clothing" and in the supply chains of the medium-low technology industries "Basic Metals" and "Fabricated Metal Products". In particular, the different CEFTA economies cover the entire supply chain in the industries "Food, Beverages and Tobacco", "Basic Metals" and "Fabricated Metal Products". In the "Food, Beverages and Tobacco" chain, CEFTA economies are mostly integrated at the final stage, while in the supply chain related to the two metal industries, CEFTA economies are positioned mostly at intermediate stages.

57. The integration of CEFTA economies at various stages of the supply chains highlights interdependence of countries and complementarities in production. While CEFTA economies are of course in many instances competitors on export markets, policy makers should be aware and take advantage of the fact that domestic companies can improve their productivity by relying on imported intermediates and that intermediate goods produced in different CEFTA economies can be complements in supply chains.

58. Depending on the industry, supply chains tend to be regional, i.e. intra-CEFTA or international, i.e. extra-CEFTA. The supply chain in the industry "Food, Beverages and Tobacco" has a significant regional aspect as 43% of intermediate goods exports are intra-CEFTA. On the other hand, the "Basic Metals" supply chains are more internationally organised as more than 70% of intermediate goods exports of CEFTA economies go to countries outside CEFTA 2006.

59. While the methodology used in this paper allows indicating the position of countries in international supply chains, it does not allow indicating the extent to which countries add value at their stage of the chain. For instance, CEFTA countries are successfully integrated at the final stage of the "Textiles, Clothing" chain exporting high values of final products to consumers outside CEFTA. However, in the "Textiles, Clothing" industry most value is typically created at intermediate stages related to the design of the product and at the final stages related to wholesale and retail distribution. Hence, it can be questioned whether CEFTA economies actually capture much value added in the "Textiles, Clothing" chain.

60. While this study indicates the position of countries in supply chains in various industries, future analysis could go into more detail for specific industries and assess the value added content of the activities carried out. More detailed analysis of this kind can help policy makers identify the possibilities of businesses to move up the value chain. For instance, do businesses have the capacities to move into more lucrative segments of the value chain or should policy rather support the integration into currently under-developed supply chains such as high-technology industries where supposedly more value is created? A related issue for policy makers to consider is whether and how foreign direct investment can support the movement of CEFTA economies towards higher value added activities.

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ANNEX I - TABLES

Table 4. Industry exports (in 1000 EUR) and share of intermediate goods by economy in 2009

| EU27 | | | CEFTA | | Albania | | BIH | | Croat | ia | Moldo | va | FYR Mac | edonia | Montenegro | | Serbia | |
|----------------------------------|---------------|--------|-----------|--------|---------|--------|-----------|--------|-----------|--------|---------|--------|---------|--------|------------|--------|-----------|--------|
| Industry | exports | % int. | exports | % int. | exports | % int. | exports | % int. | exports | % int. | exports | % int. | exports | % int. | exports | % int. | exports | % int. |
| Food, Beverages and Tobacco | 239,087,539 | 18 | 2,409,055 | 15 | 36,066 | 21 | 177,576 | 21 | 718,935 | 11 | 237,229 | 17 | 219,833 | 11 | 36,983 | 9 | 982,433 | 18 |
| Textiles, Clothing | 149,637,837 | 24 | 2,706,418 | 7 | 370,332 | 1 | 358,635 | 7 | 648,930 | 11 | 221,068 | 4 | 514,113 | 4 | 1,943 | 3 | 591,398 | 8 |
| Wood and Cork | 27,726,694 | 98 | 579,186 | 99 | 6,993 | 59 | 161,375 | 99 | 284,639 | 99 | 1,829 | 100 | 6,559 | 95 | 11,648 | 100 | 106,143 | 99 |
| Paper, Printing and Publishing | 98,564,874 | 65 | 503,176 | 68 | 16,499 | 94 | 77,913 | 65 | 185,999 | 69 | 5,161 | 59 | 12,647 | 68 | 4,200 | 54 | 200,757 | 67 |
| Coke, Petroleum Products | 115,970,368 | 98 | 972,236 | 100 | 8,935 | 100 | 122,438 | 100 | 698,727 | 99 | 3,900 | 100 | 15,759 | 100 | 5,399 | 100 | 117,078 | 100 |
| Chemicals | 377,204,892 | 87 | 996,164 | 80 | 4,451 | 94 | 114,407 | 90 | 474,108 | 85 | 11,679 | 60 | 79,862 | 45 | 2,617 | 60 | 309,039 | 79 |
| Rubber and Plastics | 100,702,560 | 82 | 619,113 | 91 | 6,973 | 81 | 56,228 | 89 | 126,886 | 82 | 17,205 | 83 | 38,931 | 96 | 617 | 88 | 372,273 | 95 |
| Other Non-Metallic Mineral Prod. | 47,257,961 | 89 | 549,630 | 98 | 20,355 | 95 | 52,189 | 98 | 306,305 | 98 | 24,584 | 100 | 47,546 | 100 | 864 | 97 | 97,786 | 98 |
| Basic Metals | 157,197,274 | 100 | 1,912,097 | 100 | 39,562 | 100 | 326,634 | 100 | 217,762 | 100 | 2,456 | 100 | 388,303 | 100 | 146,694 | 100 | 790,687 | 100 |
| Fabricated Metal Products | 96,874,894 | 79 | 848,867 | 85 | 37,647 | 99 | 197,196 | 94 | 326,228 | 89 | 14,678 | 64 | 43,297 | 95 | 5,324 | 91 | 224,497 | 68 |
| Machinery and Equipment, n.e.c | 355,072,831 | 39 | 1,229,991 | 40 | 6,962 | 17 | 163,456 | 55 | 596,388 | 44 | 23,978 | 35 | 48,169 | 40 | 21,376 | 28 | 369,661 | 29 |
| Office, Computers | 75,354,640 | 42 | 123,524 | 44 | 2,886 | 83 | 2,832 | 47 | 48,144 | 36 | 867 | 33 | 3,297 | 17 | 472 | 29 | 65,025 | 50 |
| Electrical Machinery n.e.c | 140,208,044 | 69 | 1,084,699 | 63 | 19,685 | 61 | 71,485 | 90 | 570,279 | 41 | 71,704 | 98 | 36,660 | 80 | 915 | 77 | 313,970 | 86 |
| Radio, TV and Communication | 115,463,685 | 49 | 311,319 | 57 | 3,986 | 12 | 3,591 | 55 | 201,266 | 76 | 3,879 | 81 | 3,794 | 73 | 981 | 21 | 93,821 | 15 |
| Medical, Instruments | 112,275,259 | 21 | 163,681 | 16 | 1,152 | 28 | 11,917 | 7 | 83,327 | 11 | 7,907 | 23 | 10,645 | 64 | 280 | 24 | 48,453 | 14 |
| Motor Vehicles, Trailers | 338,019,566 | 36 | 448,000 | 79 | 2,357 | 25 | 114,388 | 92 | 157,406 | 81 | 6,507 | 13 | 13,069 | 86 | 2,646 | 12 | 151,627 | 71 |
| Other Transport Equipment | 138,576,174 | 32 | 800,169 | 12 | 502 | 85 | 25,167 | 16 | 643,694 | 10 | 4,380 | 43 | 6,244 | 69 | 2,824 | 37 | 117,358 | 14 |
| Manufacturing n.e.c; Recycling | 90,946,655 | 11 | 703,856 | 35 | 16,102 | 9 | 261,385 | 46 | 246,881 | 38 | 24,137 | 7 | 20,023 | 8 | 1,102 | 1 | 134,225 | 20 |
| ICT | 303,093,584 | 37 | 598,524 | 43 | 8,024 | 40 | 18,341 | 23 | 332,737 | 54 | 12,653 | 41 | 17,736 | 57 | 1,733 | 24 | 207,300 | 26 |
| Medium-high | 1,349,081,508 | 54 | 4,559,022 | 53 | 33,957 | 54 | 488,903 | 75 | 2,441,874 | 45 | 118,250 | 75 | 184,004 | 55 | 30,378 | 32 | 1,261,655 | 59 |
| Medium-low | 518,003,056 | 91 | 4,901,943 | 96 | 113,472 | 98 | 754,684 | 97 | 1,675,907 | 96 | 62,824 | 87 | 533,835 | 99 | 158,899 | 100 | 1,602,321 | 94 |
| Low | 605,963,599 | 30 | 6,901,691 | 25 | 445,993 | 8 | 1,036,883 | 38 | 2,085,385 | 31 | 489,423 | 11 | 773,175 | 8 | 55,875 | 31 | 2,014,956 | 25 |

Source: OECD BTDIxE Database

| | EU27 | | CEFT | Alba | Albania | | BIH | | ia | Moldo | ova | FYR Mace | edonia | Monten | egro | Serbia | а | |
|----------------------------------|---------------|--------|------------|--------|---------|--------|-----------|--------|-----------|--------|---------|----------|-----------|--------|---------|--------|-----------|--------|
| Industry | imports | % int. | imports | % int. | imports | % int. | imports | % int. | imports | % int. | imports | % int. | imports | % int. | imports | % int. | imports | % int. |
| Food, Beverages and Tobacco | 232,617,356 | 22 | 3,928,802 | 20 | 404,409 | 13 | 877,493 | 20 | 1,180,447 | 22 | 288,831 | 15 | 403,878 | 23 | 320,655 | 16 | 453,089 | 25 |
| Textiles, Clothing | 195,778,315 | 16 | 3,163,039 | 41 | 339,480 | 42 | 499,279 | 44 | 1,039,291 | 27 | 198,740 | 58 | 376,984 | 76 | 84,959 | 5 | 624,306 | 38 |
| Wood and Cork | 25,872,327 | 94 | 594,257 | 98 | 51,626 | 98 | 69,546 | 98 | 195,226 | 97 | 43,736 | 99 | 47,163 | 99 | 23,321 | 98 | 163,639 | 99 |
| Paper, Printing and Publishing | 86,154,317 | 65 | 1,363,423 | 63 | 92,124 | 65 | 192,117 | 60 | 485,220 | 58 | 65,187 | 63 | 99,215 | 69 | 47,329 | 37 | 382,230 | 71 |
| Coke, Petroleum Products | 119,298,630 | 99 | 2,007,798 | 100 | 244,124 | 100 | 365,771 | 100 | 500,672 | 100 | 281,904 | 100 | 70,063 | 100 | 136,674 | 100 | 408,591 | 100 |
| Chemicals | 341,894,520 | 88 | 3,744,327 | 75 | 189,672 | 64 | 485,975 | 69 | 1,282,973 | 76 | 182,246 | 58 | 290,493 | 77 | 104,263 | 61 | 1,208,705 | 82 |
| Rubber and Plastics | 93,569,743 | 80 | 1,511,836 | 87 | 92,435 | 84 | 235,971 | 87 | 565,946 | 85 | 117,671 | 90 | 117,823 | 88 | 58,925 | 85 | 323,066 | 88 |
| Other Non-Metallic Mineral Prod. | 39,221,662 | 86 | 1,147,172 | 93 | 183,857 | 96 | 183,501 | 95 | 348,183 | 92 | 69,595 | 91 | 85,273 | 95 | 92,716 | 96 | 184,047 | 92 |
| Basic Metals | 153,794,297 | 100 | 2,473,063 | 100 | 217,485 | 100 | 323,793 | 100 | 865,098 | 100 | 66,360 | 100 | 289,844 | 100 | 62,981 | 100 | 647,502 | 100 |
| Fabricated Metal Products | 81,712,054 | 77 | 1,519,793 | 79 | 151,652 | 85 | 227,886 | 75 | 624,306 | 80 | 69,501 | 66 | 82,616 | 76 | 72,313 | 84 | 291,521 | 79 |
| Machinery and Equipment, n.e.c | 240,762,879 | 41 | 3,840,005 | 24 | 258,650 | 26 | 523,731 | 29 | 1,673,628 | 24 | 146,265 | 16 | 275,326 | 21 | 124,467 | 25 | 837,938 | 21 |
| Office, Computers | 104,124,034 | 38 | 733,483 | 28 | 58,730 | 24 | 71,720 | 25 | 286,608 | 29 | 15,463 | 17 | 70,022 | 19 | 21,459 | 20 | 209,481 | 33 |
| Electrical Machinery n.e.c | 115,564,376 | 70 | 1,331,000 | 73 | 116,013 | 77 | 165,049 | 72 | 496,019 | 72 | 88,774 | 86 | 79,951 | 71 | 64,081 | 75 | 321,112 | 71 |
| Radio, TV and Communication | 148,007,048 | 51 | 1,052,795 | 35 | 85,809 | 38 | 92,958 | 27 | 441,880 | 44 | 69,938 | 40 | 100,418 | 29 | 31,893 | 39 | 229,900 | 19 |
| Medical, Instruments | 101,716,817 | 23 | 782,511 | 15 | 40,720 | 14 | 92,463 | 17 | 298,947 | 16 | 41,838 | 12 | 65,814 | 10 | 30,043 | 10 | 212,687 | 16 |
| Motor Vehicles, Trailers | 285,659,545 | 38 | 2,373,006 | 15 | 198,415 | 8 | 364,829 | 19 | 895,234 | 16 | 100,933 | 18 | 204,327 | 8 | 83,105 | 10 | 526,163 | 18 |
| Other Transport Equipment | 121,809,881 | 38 | 663,341 | 15 | 11,345 | 31 | 28,941 | 15 | 420,486 | 14 | 7,505 | 45 | 53,747 | 5 | 30,689 | 7 | 110,628 | 22 |
| Manufacturing n.e.c; Recycling | 98,674,795 | 10 | 1,053,552 | 10 | 63,923 | 11 | 120,507 | 13 | 439,087 | 8 | 63,370 | 13 | 151,264 | 11 | 58,340 | 3 | 157,063 | 10 |
| ICT | 353,847,898 | 39 | 2,568,789 | 27 | 185,258 | 28 | 257,142 | 23 | 1,027,435 | 32 | 127,238 | 28 | 236,253 | 21 | 83,395 | 24 | 652,068 | 23 |
| Medium-high | 1,105,691,201 | 58 | 11,951,679 | 43 | 774,095 | 38 | 1,568,525 | 43 | 4,768,340 | 41 | 525,723 | 43 | 903,844 | 40 | 406,605 | 38 | 3,004,547 | 51 |
| Medium-low | 487,596,386 | 91 | 8,659,663 | 93 | 889,553 | 95 | 1,336,921 | 93 | 2,904,205 | 92 | 605,031 | 93 | 645,618 | 94 | 423,609 | 94 | 1,854,726 | 94 |
| Low | 639,097,111 | 27 | 10,103,072 | 36 | 951,562 | 33 | 1,758,942 | 34 | 3,339,272 | 32 | 659,863 | 38 | 1,078,504 | 48 | 534,603 | 18 | 1,780,327 | 45 |

 Table 5.
 Industry imports (in 1000 EUR) and share of intermediate goods by economy in 2009

Source: OECD calculations based on the OECD BTDIxE Database

| End-use End-use intral exports % intral intral % intral % intral intral % intral % intral % intral % intral % intral intral % intral | | • | CEFTA | | Albania | | BIH | | Croatia | | Moldova | | FYR Macedonia | | Montenegro | | Serbia | |
|---|----------------------------------|---------|-----------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|---------------|---------|------------|---------|-----------|---------|
| Food, Beverages and Tobacco final 2,016,013 60 28,453 5 138,87 69 641,07 52 149,07 52 149,07 52 149,07 52 149,07 52 149,07 52 149,07 53 77,20 54 77,20 54 77,20 54 77,20 54 77,20 54 77,20 54 77,20 54 73,20 54 83,30 27 150,20 48,39 27 150,20 48,39 27 150,20 20 48,73 21 161,61 21 63,20 21,110 21 63 23,20 21 10,70 62 21,83 21 10,70 10 11,610 11 | | End-use | exports | % intra | exports | % intra | exports | % intra | exports | % intra | exports | % intra | exports | % intra | exports | % intra | exports | % intra |
| Food, Beverages and Tobacco interm. 371,641 43 7,658 33 772,09 54 40,248 4 24,467 34 3,375 97 181,072 51 Textiles, Clothing interm. 176,234 13 537,647 3 24,866 6 72,774 7 8,763 0 21,110 21 63 95 434,893 27 Wood and Cork Inal 7,316 9 2,838 0 1,523 0 2,701 7 8,763 0 6,220 18 1,640 75 104,161 21 Paper, Printing and Publishing Inral 44,435 31 1,676 1 5,372 40 12,712 30 3,028 0 6,203 18 1,406 17 2 0 <t< td=""><td>Food, Beverages and Tobacco</td><td>final</td><td>2,016,013</td><td>50</td><td>28,453</td><td>5</td><td>138,987</td><td>69</td><td>641,007</td><td>52</td><td>196,903</td><td>1</td><td>194,764</td><td>70</td><td>33,594</td><td>83</td><td>782,305</td><td>54</td></t<> | Food, Beverages and Tobacco | final | 2,016,013 | 50 | 28,453 | 5 | 138,987 | 69 | 641,007 | 52 | 196,903 | 1 | 194,764 | 70 | 33,594 | 83 | 782,305 | 54 |
| Textiles, Clothing final 2,613,168 5 363,644 0 32,827 5 57,474 5 209,052 0 489,468 3 1,880 65 541,794 14 Textiles, Clothing Interm. 56,466 2 1,523 17 1,626 10 2 1 338 2 8 72 981 22 Paper, Pinting and Publishing Interm. 364,4435 31 16,66 1 57,532 80 57,017 52 2,132 0 4,001 65 98 134,661 31 Coke, Patroleum Products Inral 159,423 3 82,72 7 122,261 63 68,726 61 4,630 43,560 81 1,060 10 0 60,726 61 4,630 43,560 81 1,060 10 0 66,005 62 17,06 22 53 44,49 30,020 14,579 81 1,460 14,173 40 14 | Food, Beverages and Tobacco | interm. | 371,641 | 43 | 7,613 | 8 | 37,658 | 33 | 77,209 | 54 | 40,248 | 4 | 24,467 | 34 | 3,375 | 97 | 181,072 | 51 |
| Textiles, Clothing intern. 176, 234 13 5, 476 3 2, 4, 856 6 7 2, 074 7 8, 763 0 2, 110 2, 11 0, 21 6, 33 2 9, 81 2, 23 Wood and Cork intern. 544, 64 2, 4 4, 165 2 158, 509 44 1, 750 0 6, 220 18 11, 640 75 104, 161 21 Paper, Printing and Publishing intern. 344, 435 31 16, 766 1 5, 372 80 5, 721 2 1, 400 0 0 0 4, 712 0 0 0 0 4, 712 0 <t< td=""><td>Textiles, Clothing</td><td>final</td><td>2,513,168</td><td>5</td><td>363,644</td><td>0</td><td>332,957</td><td>5</td><td>574,374</td><td>5</td><td>209,052</td><td>0</td><td>489,468</td><td>3</td><td>1,880</td><td>55</td><td>541,794</td><td>14</td></t<> | Textiles, Clothing | final | 2,513,168 | 5 | 363,644 | 0 | 332,957 | 5 | 574,374 | 5 | 209,052 | 0 | 489,468 | 3 | 1,880 | 55 | 541,794 | 14 |
| Wood and Cork final 7.316 9 2.838 0 1.523 17 1626 10 2 1 3.38 2 8 72 981 22 Paper, Printing and Publishing Intal 159.423 64 1.059 18 27.532 80 77.017 52 2.132 0 4.001 65 1.932 33 65,751 69 Coke, Petroleum Products Intal 4.712 0 | Textiles, Clothing | interm. | 176,234 | 13 | 5,476 | 3 | 24,856 | 6 | 72,074 | 7 | 8,763 | 0 | 21,110 | 21 | 63 | 95 | 43,893 | 27 |
| Wood and Cork interm. 564,646 24 4,156 2 158,090 44 278,211 1 1,750 0 6,220 18 11,640 75 104,161 21 Paper, Printing and Publishing interm. 344,485 31 16,766 1 20,322 0 3,028 0 8,039 67 2,267 98 134,661 31 Coke, Pertoleum Products final 47,72 0 | Wood and Cork | final | 7,316 | 9 | 2,838 | 0 | 1,523 | 17 | 1,626 | 10 | 2 | 1 | 338 | 2 | 8 | 72 | 981 | 22 |
| Paper, Printing and Publishing final 159,423 64 1,059 18 27,52 80 57,017 52 2,132 0 4,001 65 1,932 93 65,751 69 Coke, Petroleum Products final 4,712 0 0 4,712 0 | Wood and Cork | interm. | 564,646 | 24 | 4,156 | 2 | 158,509 | 44 | 278,211 | 11 | 1,750 | 0 | 6,220 | 18 | 11,640 | 75 | 104,161 | 21 |
| Paper, Printing and Publishing interm. 344,455 31 16,766 1 50,372 40 128,702 30 3,028 0 8,639 67 2,267 98 134,661 31 Coke, Petroleum Products Interm. 96,229 39 8,927 47 122,261 63,3908 38 3,900 0 43,560 81 1,000 100 | Paper, Printing and Publishing | final | 159,423 | 64 | 1,059 | 18 | 27,532 | 80 | 57,017 | 52 | 2,132 | 0 | 4,001 | 65 | 1,932 | 93 | 65,751 | 69 |
| Coke, Petroleum Products Infrail 4.712 0 | Paper, Printing and Publishing | interm. | 344,435 | 31 | 16,766 | 1 | 50,372 | 40 | 128,702 | 30 | 3,028 | 0 | 8,639 | 67 | 2,267 | 98 | 134,661 | 31 |
| Coke, Petroleum Products interm. 967.229 39 8.927 47 122.261 63 639.908 38 3.900 0 15.759 87 5.399 2 117.076 22 Chemicals interm. 796.925 31 4,149 23 103.065 27 403.066 23 7,030 36.321 58 1,557 96 241,737 40 Rubber and Plastics interm. 559.263 9 6,638 62 2,660 20 2,865 0 37,062 62 544 83 30.303 22 Other Non-Metallic Mineral Prod. interm. 540,418 53 19,381 68 12,360 2 0 0 0 0 0 0 0 0 0 0 20 0 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0< | Coke, Petroleum Products | final | 4,712 | 0 | 0 | 0 | 0 | 0 | 4,712 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chemicals final 196,228 63 2.68 2.3 10,306 2.7 403,066 2.3 7,030 0 36,560 81 1,060 100 66,005 62 Chemicals final 54,313 34 1,309 20 6,353 36 22,2560 0 1,708 59 72 98 13,447 53 Rubber and Plastics interm. 559,263 29 5,663 9 46,84 50 104,399 34 14,383 0 37,072 62 54 48 350,363 22 Other Non-Metallic Mineral Prod. interm. 540,148 53 19,381 68 51,236 95 300,648 47 24,589 1 47,365 53 840 69 6,089 58 Basic Metals interm. 1,860,610 26 39,490 20 325,604 48 213,937 12 2,304 1 355,638 36 146,694 31 776,743 4 736,746 30 21,937 12 2,304 33 | Coke, Petroleum Products | interm. | 967,229 | 39 | 8,927 | 47 | 122,261 | 63 | 693,908 | 38 | 3,900 | 0 | 15,759 | 87 | 5,399 | 2 | 117,076 | 22 |
| Chemicals interm. 796,925 31 4,149 23 103,065 27 403,066 23 70,30 0 363,21 58 1,557 96 241,737 40 Rubber and Plastics interm. 559,263 29 5,663 9 46,843 50 1/4,393 0 37,062 62 544 83 30,363 22 Other Non-Metallic Mineral Prod. final 103,353 33 974 2 88 62 6,601 21 8 0 153 77 24 98 1,695 74 Other Non-Metallic Mineral Prod. interm. 540,148 53 19,381 68 512,326 95 0 232 0 0 0 0 0 0 0 0 0 0 0 23,64 48 213,937 12 2,304 1 35,618 36 146,694 13 15,143 45 44 15,33 32 260,124 35,166 2 2,147 45 433 33 263,331 45 <t< td=""><td>Chemicals</td><td>final</td><td>196,228</td><td>63</td><td>268</td><td>23</td><td>10,978</td><td>42</td><td>69,726</td><td>61</td><td>4,630</td><td>0</td><td>43,560</td><td>81</td><td>1,060</td><td>100</td><td>66,005</td><td>62</td></t<> | Chemicals | final | 196,228 | 63 | 268 | 23 | 10,978 | 42 | 69,726 | 61 | 4,630 | 0 | 43,560 | 81 | 1,060 | 100 | 66,005 | 62 |
| Rubber and Plastics final 54,313 34 1,309 20 6,363 36 22,560 20 2,865 0 1,708 59 72 98 19,447 53 Rubber and Plastics interm. 559,263 33 33 974 2 888 62 6,601 21 8 0 153 77 24 98 1,695 74 Other Non-Metallic Mineral Prod. intal 10,353 33 19,381 68 51,236 95 300,648 47 24,589 1 47,365 53 840 69 96,089 58 Basic Metals interm. 1,860,610 26 39,490 20 325,804 48 213,937 12 2,304 1 355,638 36 146,694 31 776,743 14 Fabricated Metal Products final 125,061 31 412 12 11,170 26 35,242 37 5,196 0 2,173 54 15,1437 45 15,1437 45 15,1437 45 15,1437 | Chemicals | interm. | 796,925 | 31 | 4,149 | 23 | 103,065 | 27 | 403,066 | 23 | 7,030 | 0 | 36,321 | 58 | 1,557 | 96 | 241,737 | 40 |
| Rubber and Plastics interm. 559,263 29 5,663 9 46,848 50 104,399 34 14,383 0 37,062 62 544 83 350,363 22 Other Non-Metallic Mineral Prod. final 10,353 33 974 2 88 62 6,601 84 7 24 98 1,695 74 Other Non-Metallic Mineral Prod. final 525 0 0 0 232 0 | Rubber and Plastics | final | 54,313 | 34 | 1,309 | 20 | 6,353 | 36 | 22,560 | 20 | 2,865 | 0 | 1,708 | 59 | 72 | 98 | 19,447 | 53 |
| Other Non-Metallic Mineral Prod. final 10,353 33 974 2 898 62 6,601 21 8 0 153 77 24 98 1,695 74 Other Non-Metallic Mineral Prod. interm. 540,148 19,381 68 51,236 95 300,648 47 24,589 1 47,365 53 840 69 96,089 58 Basic Metals interm. 1,860,610 26 39,490 20 223 0 0 0 2,5164 13 55,638 36 146,694 31 776,743 14 Fabricated Metal Products final 125,061 31 412 12 11,702 26 35,242 37 5,196 0 21,445 48 45 15,16 31 30,987 60 51,36 21 92,20 7,278 54 333 78 32,709 68 Machinery and Equipment, n.e.c final 69,330 62 | Rubber and Plastics | interm. | 559,263 | 29 | 5,663 | 9 | 46,848 | 50 | 104,399 | 34 | 14,383 | 0 | 37,062 | 62 | 544 | 83 | 350,363 | 22 |
| Other Non-Metallic Mineral Prod. interm. 540,148 53 19,381 68 51,236 95 300,648 47 24,589 1 47,365 53 840 69 96,089 58 Basic Metals interm. 1,860,610 26 39,490 20 325,804 48 213937 12 2,304 1 355,638 36 146,694 77,743 14 Fabricated Metal Products final 125,061 31 412 12 17,702 26 35,242 37 5196 0 2,147 45 47,3 57 69,889 30 Fabricated Metal Products final 719,068 24 5,731 6 73,516 22 32,0142 14 15,601 3 28,47 34 15,337 32 260,361 37 Machinery and Equipment, n.e.c final 69,330 62 484 45 1,510 31 30,987 60 577 0 2,730 54 333 78 32,709 68 0 673 38 139 | Other Non-Metallic Mineral Prod. | final | 10.353 | 33 | 974 | 2 | 898 | 62 | 6.601 | 21 | 8 | 0 | 153 | 77 | 24 | 98 | 1.695 | 74 |
| Basic Metals final 525 0 0 0 293 0 232 0 <td>Other Non-Metallic Mineral Prod.</td> <td>interm.</td> <td>540,148</td> <td>53</td> <td>19.381</td> <td>68</td> <td>51.236</td> <td>95</td> <td>300.648</td> <td>47</td> <td>24.589</td> <td>1</td> <td>47.365</td> <td>53</td> <td>840</td> <td>69</td> <td>96.089</td> <td>58</td> | Other Non-Metallic Mineral Prod. | interm. | 540,148 | 53 | 19.381 | 68 | 51.236 | 95 | 300.648 | 47 | 24.589 | 1 | 47.365 | 53 | 840 | 69 | 96.089 | 58 |
| Basic Metals interm. 1,860,610 26 39,490 20 325,804 48 213,937 12 2,304 1 355,638 36 146,694 31 776,743 14 Fabricated Metal Products final 125,061 31 412 12 12 22 332,429 37 5,196 0 2,147 45 473 57 69,889 30 Machinery and Equipment, n.e.c final 719,068 24 5,731 6 73,516 22 320,142 14 15,610 3 28,347 34 15,359 33 260,361 37 Machinery and Equipment, n.e.c final 69,30 62 484 45 1,510 31 30,987 60 577 0 2,730 54 333 78 32,709 68 0 573 38 139 38 25,331 32 20 68 077 0 2,730 54 333 78 32,709 68 20,77 60 44,207 28 28 63,731 29,24,567 </td <td>Basic Metals</td> <td>final</td> <td>525</td> <td>0</td> <td>0</td> <td>0</td> <td>293</td> <td>0</td> <td>232</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> | Basic Metals | final | 525 | 0 | 0 | 0 | 293 | 0 | 232 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fabricated Metal Productsfinal125,061314121211,7022635,242375,19602,147454735769,88930Fabricated Metal Productsinterm.717,6892937,2351182,45938291,838158,746041,129574,84558151,43745Machinery and Equipment, n.e.cinterm.492,096131,1871689,6157264,20588,338219,226416,04919103,47727Office, Computersfinal69,33062484451,5103130,9876057702,730543337832,70968Office, Computersinterm.470,88412,380391,3223717,056562880573381393825,33132Electrical Machinery n.e.cinterm.679,8921811,828563,97129234,5671870,371029,4364670893269,01016Radio, TV and Communicationfinal130,124183,49061,6043746,9551874401,0324175,52318Radio, TV and Communicationfinal137,16425826511,0281273,759126,08403,830342116941,42554 | Basic Metals | interm. | 1.860.610 | 26 | 39.490 | 20 | 325.804 | 48 | 213.937 | 12 | 2.304 | 1 | 355.638 | 36 | 146.694 | 31 | 776.743 | 14 |
| Fabricated Metal Productsinterm.717,6892937,2351182,45938291,838158,746041,129574,84558151,43745Machinery and Equipment, n.e.cfinal719,068245,731673,51622320,1421415,610328,3473415,35933260,36137Machinery and Equipment, n.e.cfinal69,33062444451,5103130,9876057702,730543337832,70968Office, Computersinterm.47,088412,380391,3223717,056562880573381393825,33132Electrical Machinery n.e.cfinal402,020157,67837,20127334,5171299207,218682076044,20728Radio, TV and Communicationfinal130,124183,49061,6043746,9551874401,32391971413,96217Medical, Instrumentsfinal137,16425826511,0281273,759126,08403,830342116941,42554Medical, Instrumentsfinal94,228441,607169,1203929,838335,57701,819422,3219143,94 | Fabricated Metal Products | final | 125.061 | 31 | 412 | 12 | 11.702 | 26 | 35.242 | 37 | 5.196 | 0 | 2.147 | 45 | 473 | 57 | 69.889 | 30 |
| Machinery and Equipment, n.e.c final 719,068 24 5,731 6 73,516 22 320,142 14 15,610 3 28,347 34 15,359 33 260,361 37 Machinery and Equipment, n.e.c interm. 492,096 13 1,187 16 89,615 7 264,205 8 8,338 2 19,226 41 6,049 19 103,477 27 Office, Computers interm. 47,088 41 2,380 39 1,322 37 17,056 56 288 0 573 8 32,709 68 Clifice, Computers interm. 47,088 41 2,380 39 1,322 37 17,056 56 288 0 573 38 133 38 25,331 32 Electrical Machinery n.e.c interm. 679,892 18 11,828 63,971 29 234,567 18 70,371 0 29,436 46 708 32 269,010 16 Radio, TV and Communication interm. 176,250 4 | Fabricated Metal Products | interm. | 717.689 | 29 | 37.235 | 1 | 182.459 | 38 | 291.838 | 15 | 8.746 | 0 | 41.129 | 57 | 4.845 | 58 | 151.437 | 45 |
| Machinery and Equipment, n.e.c. interm. 492,096 13 1,187 16 89,615 7 264,205 8 8,338 2 19,226 41 6,049 19 103,477 27 Office, Computers final 69,330 62 484 45 1,510 31 30,987 60 577 0 2,730 54 333 78 32,709 68 Office, Computers interm. 47,088 41 2,380 39 1,322 37 17,056 56 288 0 573 38 139 38 25,331 32 Electrical Machinery n.e.c interm. 679,892 18 11,828 5 63,971 29 234,567 18 70,371 0 29,436 46 708 93 269,010 16 Radio, TV and Communication final 130,124 18 3,490 6 1,604 37 46,955 18 744 0 1,032 41 776 10 75,523 18 Radio, TV and Communication interm. | Machinery and Equipment, n.e.c | final | 719.068 | 24 | 5.731 | 6 | 73.516 | 22 | 320.142 | 14 | 15.610 | 3 | 28.347 | 34 | 15.359 | 33 | 260.361 | 37 |
| Office, Computers final 69,330 62 484 45 1,510 31 30,987 60 577 0 2,730 54 333 78 32,709 68 Office, Computers interm. 47,088 41 2,380 39 1,322 37 17,056 56 288 0 573 38 139 38 25,331 32 Electrical Machinery n.e.c final 402,020 15 7,678 3 7,201 27 334,517 12 992 0 7,218 68 207 60 44,207 28 Electrical Machinery n.e.c interm. 679,892 18 11,828 5 63,971 29 234,567 18 70,371 0 29,436 46 7767 0 7,553 18 Radio, TV and Communication final 137,164 25 826 5 11,028 12 73,759 12 6,084 0 3,830 34 211 69 41,425 54 Medical, Instruments interm. 26,21 | Machinery and Equipment, n.e.c | interm. | 492.096 | 13 | 1.187 | 16 | 89.615 | 7 | 264.205 | 8 | 8.338 | 2 | 19.226 | 41 | 6.049 | 19 | 103.477 | 27 |
| Office, Computers interm. 47,088 41 2,380 39 1,322 37 17,056 56 288 0 573 38 139 38 25,331 32 Electrical Machinery n.e.c interm. 679,892 18 11,828 5 63,971 29 234,567 18 70,371 0 29,436 46 708 93 269,010 16 Radio, TV and Communication interm. 176,250 5 494 12 73,759 12 6,084 0 3,830 34 211 69 41,425 54 Medical, Instruments final 137,164 25 826 5 11,028 12 73,759 12 6,084 0 3,830 34 211 69 41,425 54 Medical, Instruments final 94,228 44 1,607 16 9,120 39 29,838 33 5,577 0 1,819 42 2,321 91 43,946 57 Motor Vehicles, Trailers final 706,699 7 | Office. Computers | final | 69.330 | 62 | 484 | 45 | 1.510 | 31 | 30.987 | 60 | 577 | 0 | 2.730 | 54 | 333 | 78 | 32.709 | 68 |
| Electrical Machinery n.e.c final 402,020 15 7,678 3 7,201 27 334,517 12 992 0 7,218 68 207 60 44,207 28 Electrical Machinery n.e.c interm. 679,892 18 11,828 5 63,971 29 234,567 18 70,371 0 29,436 46 708 93 269,010 16 Radio, TV and Communication interm. 176,250 5 494 12 1,987 19 153,743 4 3,133 0 2,733 9 197 14 13,962 17 Medical, Instruments final 137,164 25 826 5 11,028 12 73,759 12 6,084 0 3,830 34 211 69 41,425 54 Motor Vehicles, Trailers interm. 26,219 17 325 0 855 22 9,350 14 1,823 0 6,816 1 67 18 6,984 41 Motor Vehicles, Trailers interm. | Office, Computers | interm. | 47.088 | 41 | 2.380 | 39 | 1.322 | 37 | 17.056 | 56 | 288 | 0 | 573 | 38 | 139 | 38 | 25,331 | 32 |
| Electrical Machinery n.e.c. interm. 679,892 18 11,828 5 63,971 29 234,567 18 70,371 0 29,436 46 708 93 269,010 16 Radio, TV and Communication final 130,124 18 3,490 6 1,604 37 46,955 18 744 0 1,032 41 776 10 75,523 18 Radio, TV and Communication interm. 176,250 5 494 12 1,987 19 153,743 4 3,133 0 2,733 9 197 14 13,962 17 Medical, Instruments final 137,164 25 826 5 11,028 12 73,759 12 6,084 0 3,830 34 211 69 41,425 54 Medical, Instruments interm. 26,219 17 325 0 855 22 9,350 14 1,823 0 1,819 42 2,321 91 43,946 57 Motor Vehicles, Trailers interm. | Electrical Machinery n.e.c | final | 402.020 | 15 | 7.678 | 3 | 7.201 | 27 | 334.517 | 12 | 992 | 0 | 7.218 | 68 | 207 | 60 | 44.207 | 28 |
| Radio, TV and Communication final 130,124 18 3,490 6 1,604 37 46,955 18 744 0 1,032 41 776 10 75,523 18 Radio, TV and Communication interm. 176,250 5 494 12 1,987 19 153,743 4 3,133 0 2,733 9 197 14 13,962 17 Medical, Instruments final 137,164 25 826 5 11,028 12 73,759 12 6,084 0 3,830 34 211 69 41,425 54 Medical, Instruments interm. 26,219 17 325 0 855 22 9,350 14 1,823 0 6,816 1 67 18 6,984 41 Motor Vehicles, Trailers final 94,228 44 1,607 16 9,120 39 29,838 33 5,577 0 1,819 42 2,321 91 43,946 57 Motor Vehicles, Trailers interm. 362 | Electrical Machinery n.e.c | interm. | 679.892 | 18 | 11.828 | 5 | 63.971 | 29 | 234.567 | 18 | 70.371 | 0 | 29,436 | 46 | 708 | 93 | 269.010 | 16 |
| Radio, TV and Communicationinterm.176,2505494121,98719153,74343,13302,73391971413,96217Medical, Instrumentsfinal137,16425826511,0281273,759126,08403,830342116941,42554Medical, Instrumentsinterm.26,219173250855229,350141,82306,816167186,98441Motor Vehicles, Trailersfinal94,228441,607169,1203929,838335,57701,819422,3219143,94657Motor Vehicles, Trailersinterm.362,87093667117,7092125,1233873011,2252431875107,25720Other Transport Equipmentfinal706,699774021,1103579,35972,08101,910131,78523100,3805Other Transport Equipmentinterm.92,147641504,0504464,21611,13104,308101,038216,98913Manufacturing n.e.c; Recyclingfinal450,4923014,60715138,16128149,8761822,376018,250531,09189106,132 | Radio, TV and Communication | final | 130,124 | 18 | 3.490 | 6 | 1.604 | 37 | 46.955 | 18 | 744 | 0 | 1.032 | 41 | 776 | 10 | 75.523 | 18 |
| Medical, Instruments final 137,164 25 826 5 11,028 12 73,759 12 6,084 0 3,830 34 211 69 41,425 54 Medical, Instruments interm. 26,219 17 325 0 855 22 9,350 14 1,823 0 6,816 1 67 18 6,984 41 Motor Vehicles, Trailers final 94,228 44 1,607 16 9,120 39 29,838 33 5,577 0 1,819 42 2,321 91 43,946 57 Motor Vehicles, Trailers interm. 362,870 9 366 7 117,709 2 125,123 3 873 0 11,225 24 318 75 107,257 20 Other Transport Equipment final 706,699 7 74 0 21,110 3 579,359 7 2,081 0 1,910 13 1,785 23 100,380 5 Other Transport Equipment final 450,492< | Radio, TV and Communication | interm. | 176.250 | 5 | 494 | 12 | 1,987 | 19 | 153.743 | 4 | 3.133 | 0 | 2,733 | 9 | 197 | 14 | 13.962 | 17 |
| Medical, Instruments interm. 26,219 17 325 0 855 22 9,350 14 1,823 0 6,816 1 67 18 6,984 41 Motor Vehicles, Trailers final 94,228 44 1,607 16 9,120 39 29,838 33 5,577 0 1,819 42 2,321 91 43,946 57 Motor Vehicles, Trailers interm. 362,870 9 366 7 117,709 2 125,123 3 873 0 11,225 24 318 75 107,257 20 Other Transport Equipment final 706,699 7 74 0 21,110 3 579,359 7 2,081 0 1,910 13 1,785 23 100,380 5 Other Transport Equipment interm. 92,147 6 415 0 4,050 44 64,216 1 1,131 0 4,308 10 1,038 2 16,989 13 Manufacturing n.e.c; Recycling final <td< td=""><td>Medical. Instruments</td><td>final</td><td>137.164</td><td>25</td><td>826</td><td>5</td><td>11.028</td><td>12</td><td>73.759</td><td>12</td><td>6.084</td><td>0</td><td>3.830</td><td>34</td><td>211</td><td>69</td><td>41.425</td><td>54</td></td<> | Medical. Instruments | final | 137.164 | 25 | 826 | 5 | 11.028 | 12 | 73.759 | 12 | 6.084 | 0 | 3.830 | 34 | 211 | 69 | 41.425 | 54 |
| Motor Vehicles, Trailers final 94,228 44 1,607 16 9,120 39 29,838 33 5,577 0 1,819 42 2,321 91 43,946 57 Motor Vehicles, Trailers interm. 362,870 9 366 7 117,709 2 125,123 3 873 0 11,225 24 318 75 107,257 20 Other Transport Equipment final 706,699 7 74 0 21,110 3 579,359 7 2,081 0 1,910 13 1,785 23 100,380 5 Other Transport Equipment interm. 92,147 6 415 0 4,050 44 64,216 1 1,131 0 4,308 10 1,038 2 16,989 13 Manufacturing n.e.c; Recycling final 450,492 30 14,607 15 138,161 28 149,876 18 22,376 0 18,250 53 1,091 89 106,132 54 Manufacturing n.e.c; Recycling | Medical, Instruments | interm. | 26,219 | 17 | 325 | 0 | 855 | 22 | 9.350 | 14 | 1.823 | Õ | 6,816 | 1 | 67 | 18 | 6.984 | 41 |
| Motor Vehicles, Trailers interm. 362,870 9 366 7 117,709 2 125,123 3 873 0 11,225 24 318 75 107,257 20 Other Transport Equipment final 706,699 7 74 0 21,110 3 579,359 7 2,081 0 1,910 13 1,785 23 100,380 5 Other Transport Equipment interm. 92,147 6 415 0 4,050 44 64,216 1 1,131 0 4,308 10 1,038 2 16,989 13 Manufacturing n.e.c; Recycling final 450,492 30 14,607 15 138,161 28 149,876 18 22,376 0 18,250 53 1,091 89 106,132 54 Manufacturing n.e.c; Recycling interm. 242,723 2 1,494 1 117,932 1 93,428 2 1,750 0 1,698 11 10 79 26,411 10 ICT final | Motor Vehicles. Trailers | final | 94.228 | 44 | 1.607 | 16 | 9.120 | 39 | 29.838 | 33 | 5.577 | 0 | 1.819 | 42 | 2.321 | 91 | 43,946 | 57 |
| Other Transport Equipment final 706,699 7 74 0 21,110 3 579,359 7 2,081 0 1,910 13 1,785 23 100,380 5 Other Transport Equipment interm. 92,147 6 415 0 4,050 44 64,216 1 1,131 0 4,308 10 1,038 2 16,989 13 Manufacturing n.e.c; Recycling final 450,492 30 14,607 15 138,161 28 149,876 18 22,376 0 18,250 53 1,091 89 106,132 54 Manufacturing n.e.c; Recycling interm. 242,723 2 1,494 1 117,932 1 93,428 2 1,750 0 1,698 11 10 79 26,411 10 ICT final 336,618 30 4,800 10 14,142 17 151,702 24 7,405 0 7,591 42 1,320 37 149,658 39 ICT interm. 249,557< | Motor Vehicles, Trailers | interm. | 362.870 | 9 | 366 | 7 | 117.709 | 2 | 125.123 | 3 | 873 | 0 | 11.225 | 24 | 318 | 75 | 107.257 | 20 |
| Other Transport Equipment interm. 92,147 6 415 0 4,050 44 64,216 1 1,131 0 4,308 10 1,038 2 16,989 13 Manufacturing n.e.c; Recycling final 450,492 30 14,607 15 138,161 28 149,876 18 22,376 0 18,250 53 1,091 89 106,132 54 Manufacturing n.e.c; Recycling interm. 242,723 2 1,494 1 117,932 1 93,428 2 1,750 0 1,698 11 10 79 26,411 10 ICT final 336,618 30 4,800 10 14,142 17 151,702 24 7,405 0 7,591 42 1,320 37 149,658 39 167 18,164 25 180,149 9 5,244 0 10,121 5 402 23 46,277 29 | Other Transport Equipment | final | 706,699 | 7 | 74 | 0 | 21.110 | 3 | 579.359 | 7 | 2.081 | 0 | 1,910 | 13 | 1.785 | 23 | 100,380 | 5 |
| Manufacturing n.e.c; Recycling final 450,492 30 14,607 15 138,161 28 149,876 18 22,376 0 18,250 53 1,091 89 106,132 54 Manufacturing n.e.c; Recycling interm. 242,723 2 1,494 1 117,932 1 93,428 2 1,750 0 18,250 53 1,091 89 106,132 54 ICT final 336,618 30 4,800 10 14,142 17 151,702 24 7,405 0 7,591 42 1,320 37 149,658 39 ICT interm. 249,557 13 3,199 31 4,164 25 180,149 9 5,244 0 10,121 5 402 23 46,277 29 | Other Transport Equipment | interm. | 92,147 | 6 | 415 | 0 | 4.050 | 44 | 64,216 | 1 | 1,131 | Õ | 4,308 | 10 | 1.038 | 2 | 16,989 | 13 |
| Manufacturing n.e.c; Recycling interm. 242,723 2 1,494 1 117,932 1 93,428 2 1,750 0 1,698 11 10 79 26,411 10 ICT final 336,618 30 4,800 10 14,142 17 151,702 24 7,405 0 1,698 11 10 79 26,411 10 ICT interm. 249,557 13 3,199 31 4,164 25 180,149 9 5,244 0 10,121 5 402 23 46,277 29 | Manufacturing n.e.c. Recycling | final | 450,492 | 30 | 14.607 | 15 | 138,161 | 28 | 149.876 | 18 | 22.376 | 0 | 18,250 | 53 | 1,091 | 89 | 106.132 | 54 |
| ICT final 336,618 30 4,800 10 14,142 17 151,702 24 7,405 0 7,591 42 1,320 37 149,658 39 ICT interm. 249,557 13 3,199 31 4,164 25 180,149 9 5,244 0 10,121 5 402 23 46,277 29 | Manufacturing n.e.c. Recycling | interm. | 242,723 | 2 | 1,494 | 1 | 117,932 | 1 | 93.428 | 2 | 1.750 | Õ | 1,698 | 11 | 10 | 79 | 26.411 | 10 |
| ICT interm. 249,557 13 3,199 31 4,164 25 180,149 9 5,244 0 10,121 5 402 23 46,277 29 | ICT | final | 336,618 | 30 | 4.800 | 10 | 14,142 | 17 | 151,702 | 24 | 7,405 | 0 | 7,591 | 42 | 1.320 | 37 | 149.658 | 39 |
| | ICT | interm | 249 557 | 13 | 3 199 | 31 | 4 164 | 25 | 180 149 | 9 | 5 244 | Õ | 10 121 | 5 | 402 | 23 | 46 277 | 29 |
| Medium-high final 2 118 243 21 15 358 6 121 926 22 1 333 582 13 28 889 2 82 855 61 20 733 43 514 899 35 | Medium-high | final | 2 118 243 | 21 | 15,358 | 6 | 121 926 | 22 | 1 333 582 | 13 | 28 889 | 2 | 82 855 | 61 | 20 733 | 43 | 514 899 | 35 |
| Medium-high interm 2423 931 19 17 944 10 378 410 15 1 091 177 15 87 742 0 100 518 45 9 669 37 738 407 26 | Medium-high | interm | 2 423 931 | 19 | 17 944 | 10 | 378 410 | 15 | 1 091 177 | 15 | 87 742 | 0 | 100 518 | 45 | 9 669 | 37 | 738 470 | 26 |
| Medium low final 194.965 31 2.694 12 19.26 31 69.348 28 8.068 0 4.008 52 570 64 91.970 20 | Medium-low | final | 194 965 | 31 | 2 694 | 12 | 19 245 | 31 | 69 348 | 28 | 8 068 | 0 | 4 008 | 52 | 570 | 64 | 91 032 | 35 |
| Medium-low interm 4 644 939 33 110 696 24 728 607 52 1 604 730 32 53 922 1 496 954 43 158 322 31 1 491 708 23 | Medium-low | interm | 4 644 939 | 33 | 110 696 | 24 | 728 607 | 52 | 1 604 730 | 32 | 53 922 | 1 | 496 954 | 43 | 158 322 | 31 | 1 491 708 | 23 |
| final 5 146413 27 410600 1 639160 27 12038 9 29 430465 0 706891 23 38505 82 1496708 20 1000000000000000000000000000000000 | Low | final | 5 1/6 /12 | 27 | 410 600 | 1 | 630 160 | 27 | 1 /23 800 | 20 | 130 165 | 0 | 706 821 | 23 | 38 505 | 82 | 1 /06 063 | 40 |
| Low interm 1 699 679 25 35 505 3 389 327 27 649 663 18 55 539 3 62 133 32 17 355 82 490 90 735 | Low | interm | 1 699 679 | 25 | 35 505 | 3 | 389 327 | 27 | 649 623 | 18 | 55 539 | 3 | 62 133 | 32 | 17 355 | 82 | 490 197 | 35 |

Table 6. Exports of intermediate and final goods (in 1000 EUR) and share of intra-CEFTA exports by CEFTA economy in 2009

| | | CEF | -TA | Alba | Albania | | BIH | | Croatia | | Moldova | | FYR Macedonia | | Montenegro | | ia |
|----------------------------------|---------|-----------|---------|---------|---------|-----------|----------|-----------|---------|-------------------|---------|---------|---------------|---------|------------|-----------|---------|
| | End-use | imports | % intra | imports | % intra | imports | % intra | imports | % intra | imports | % intra | imports | % intra | imports | % intra | imports | % intra |
| Food, Beverages and Tobacco | final | 3.111.755 | 30 | 350.953 | 7 | 700.479 | 59 | 901.245 | 12 | 245.911 | 0 | 308.740 | 33 | 267.701 | 66 | 336.725 | 32 |
| Food, Beverages and Tobacco | interm. | 783,978 | 19 | 52,492 | 15 | 174,339 | 32 | 259,331 | 6 | 41,886 | 0 | 94,116 | 26 | 52,131 | 62 | 109,683 | 13 |
| Textiles. Clothing | final | 1.857.371 | 6 | 196.220 | 0 | 274.924 | 16 | 752.027 | 3 | 83.971 | 1 | 88.327 | 7 | 80.663 | 26 | 381.239 | 3 |
| Textiles. Clothing | interm. | 1.285.843 | 1 | 142.875 | 0 | 221,405 | 4 | 281.049 | 2 | 114.353 | 0 | 286.885 | 1 | 4.078 | 23 | 235,197 | 2 |
| Wood and Cork | final | 11.724 | 4 | 823 | 1 | 1.458 | 6 | 5.938 | 4 | 364 | 0 | 405 | 7 | 520 | 13 | 2.217 | 3 |
| Wood and Cork | interm. | 577.940 | 20 | 50.672 | 11 | 67.015 | 30 | 187.954 | 14 | 43.019 | 0 | 46,195 | 17 | 22.722 | 52 | 160.362 | 29 |
| Paper, Printing and Publishing | final | 509.246 | 18 | 31.803 | 5 | 77.092 | 42 | 203.146 | 9 | 23,939 | 1 | 30,797 | 27 | 30,159 | 61 | 112.311 | 10 |
| Paper, Printing and Publishing | interm. | 851.677 | 12 | 60.268 | 7 | 114.050 | 28 | 281.885 | 5 | 41,139 | 1 | 68.612 | 17 | 17.271 | 41 | 268.451 | 12 |
| Coke. Petroleum Products | final | 894 | 0 | 0 | 0 | 0 | 0 | 894 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coke, Petroleum Products | interm. | 1.992.534 | 17 | 243,744 | 3 | 364,432 | 58 | 493.082 | 2 | 281.650 | Õ | 68,698 | 19 | 135.677 | 19 | 405,252 | 19 |
| Chemicals | final | 911,110 | 8 | 67.677 | 5 | 148,597 | 23 | 299,682 | 1 | 76.861 | 1 | 65,552 | 21 | 40.506 | 22 | 212,234 | 4 |
| Chemicals | interm. | 2,754,536 | 7 | 120.340 | 6 | 330,160 | 23 | 955,277 | 2 | 101.893 | 0 | 220,163 | 10 | 63,259 | 37 | 963,444 | 5 |
| Rubber and Plastics | final | 201.151 | 7 | 14.727 | 3 | 30,460 | 16 | 84,293 | 3 | 11.246 | 0 | 13,836 | 11 | 8,723 | 42 | 37,866 | 3 |
| Rubber and Plastics | interm. | 1.298.524 | 10 | 77.442 | 10 | 204.320 | 22 | 476.959 | 5 | 104.715 | 1 | 103.961 | 15 | 49.957 | 45 | 281.170 | 6 |
| Other Non-Metallic Mineral Prod | final | 73.874 | 2 | 7.855 | 1 | 10.013 | 7 | 27.201 | 1 | 6.356 | 0 | 4.579 | 5 | 3,469 | 7 | 14.401 | 2 |
| Other Non-Metallic Mineral Prod. | interm. | 1.065.371 | 25 | 175.744 | 6 | 172.379 | 54 | 317,380 | 13 | 63.083 | 1 | 80.448 | 35 | 89,196 | 62 | 167,140 | 24 |
| Basic Metals | final | 2.642 | 0 | 0 | 0 | 190 | 0 | 2.440 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 |
| Basic Metals | interm. | 2,467,070 | 19 | 217,485 | 6 | 323,753 | 21 | 859.676 | 20 | 65,999 | Õ | 290.478 | 18 | 63,099 | 60 | 646.581 | 19 |
| Fabricated Metal Products | final | 318 531 | 10 | 22 773 | 6 | 55 975 | 25 | 124 919 | 5 | 23 434 | 0 | 19 935 | 12 | 11 667 | 40 | 59 828 | 8 |
| Fabricated Metal Products | interm | 1 195 747 | 15 | 128 846 | 5 | 170 620 | 23 | 497 014 | 13 | 46 031 | Õ | 62 744 | 15 | 60.827 | 60 | 229 666 | 10 |
| Machinery and Equipment n.e.c. | final | 2 874 151 | 4 | 190 446 | 2 | 370 144 | 12 | 1 229 682 | 2 | 122 351 | 0 | 216.378 | 8 | 92 574 | 13 | 652 576 | 3 |
| Machinery and Equipment, n.e.c | interm | 891 062 | 5 | 66 466 | 2 | 151 551 | 12 | 382 118 | 2 | 23 767 | Õ | 58 048 | 11 | 30,896 | 18 | 178 216 | 4 |
| Office Computers | final | 534 627 | 2 | 44 719 | 1 | 53 391 | 18 | 206 953 | 0 | 12 898 | 0 | 60,025 | 2 | 17 447 | 3 | 139 195 | 0 |
| Office Computers | interm | 209 725 | 1 | 13 970 | 1 | 18 128 | 9 | 86 845 | Õ | 2 675 | Õ | 14 035 | 1 | 4 291 | 2 | 69 781 | 0 |
| Electrical Machinery n.e.c. | final | 346 680 | 10 | 26.817 | 1 | 45 008 | 31 | 131 426 | 1 | 12,010 | 0 | 23 648 | 10 | 15 894 | 25 | 91 832 | 13 |
| Electrical Machinery n.e.c | interm | 965 275 | 9 | 88,696 | 1 | 118 202 | 26 | 351 287 | 1 | 77 105 | 0 | 56 150 | 17 | 10,004 | 37 | 226.025 | 7 |
| Radio TV and Communication | final | 692 924 | 1 | 53 127 | 0 | 67 /3/ | 1 | 252 228 | 0 | 12 172 | 0 | 72 774 | 0 | 19 566 | 0 | 185 322 | 0 |
| Radio, TV and Communication | interm | 381 962 | 1 | 32 527 | 0 | 24 104 | 11 | 210 589 | 0 | 28 002 | 0 | 29.466 | 0 | 12 772 | 1 | 100,022 | 1 |
| Medical Instruments | final | 669 684 | 2 | 35 176 | 1 | 76 642 | 8 | 255 677 | 0 | 37 022 | 0 | 59 357 | 3 | 27 122 | 7 | 178 687 | 0 |
| Medical Instruments | intorm | 115 222 | 2 | 5 462 | 0 | 15 /05 | 6 | 255,077 | 1 | 1 001 | 0 | 6 6 4 1 | 2 | 2060 | 7 | 33 185 | 0 |
| Motor Vehicles Trailers | final | 1 082 640 | 1 | 181 180 | 0 | 203 162 | 2 | 737 071 | 0 | 91 786 | 0 | 186 030 | 2 | 74 474 | 1 | 428 010 | 0 |
| Motor Vehicles, Trailers | intorm | 362 567 | 6 | 15 528 | 1 | 68 507 | 12 | 142 522 | 6 | 18 / 87 | 0 | 15 281 | 6 | 8 575 | 4 8 | 420,019 | 4 |
| Other Transport Equipment | final | 537 001 | 0 | 7 780 | 1 | 24 524 | 22 | 366 147 | 10 | 10,407 | 0 | 20.083 | 1 | 28 684 | 2 | 85 653 | 7 |
| Other Transport Equipment | intorm | 07 920 | 9 | 2 5 4 2 | 0 | 24,524 | 24 | 57 470 | 10 | 2,000 | 0 | 20,003 | 16 | 20,004 | 2 | 24 991 | 2 |
| Manufacturing n.o.c: Populing | final | 97,030 | 12 | 5,545 | 4 | 4,431 | 24 | 402 652 | 0 | 2,999 | 0 | 2,409 | 0 | 2,017 | 42 | 120 915 | 12 |
| Manufacturing n.e.c, Recycling | intorm | 101 197 | 12 | 7 225 | 4 | 16 990 | 24 11 | 403,052 | 9 | 0 100 | 0 | 16 262 | 2 | 1 710 | 43 | 16 070 | 6 |
| | final | 1 907 224 | | 122 022 | 1 | 107.467 | 0 | 71/ 959 | 2 | 0,402 | 0 | 10,303 | 2 | 6/ 125 | 4 | 502 202 | 0 |
| | intorm | 706 000 | 2 | 51 050 | 0 | 57 727 | 9 | 344,000 | 0 | 36 571 | 0 | 50 1/2 | 1 | 20.031 | 2 | 1/6 /70 | 0 |
| Modium high | final | 6 651 672 | 1 | 172 010 | 2 | 001 /25 | 10 | 2 764 000 | 2 | 207 262 | 0 | 511 700 | 7 | 20,001 | 2 11 | 1 470 214 | 2 |
| Medium high | intorm | 5 071 270 | 4 | 473,910 | 2 | 672 041 | 20 | 2,704,909 | 2 | 291,203 | 0 | 252 120 | 11 | 152 557 | 22 | 1,470,314 | 5 |
| Medium low | final | 507.002 | 0 | 254,57Z | 4 | 06 627 | 20 | 220 747 | 3 | 41 026 | 0 | 20 250 | 11 | 22,007 | 32 | 1,400,144 | 5 |
| Medium low | interm | 097,092 | 0 17 | 40,000 | 4 F | 90,007 | 20 | 209,141 | 4 | 41,000 561 470 | 0 | 50,500 | 10 | 20,000 | 30 | 1 720 900 | 16 |
| | finel | 6,019,247 | 10 | 626 424 | 5 | 1,200,000 | 31 | 2,044,111 | 12 | 400.050 | 0 | 562.040 | 19 | 425 000 | 40 | 1,729,009 | 10 |
| LOW | intern | 0,440,315 | 19 | 030,434 | 4 | 1,158,075 | 44 | 2,266,009 | ð | 409,050 | 0 | 542,812 | 22 | 435,629 | 55 | 972,306 | 15 |
| LOW | interm. | 3,600,624 | 11 | 313,531 | 6 | 592,689 | 20 | 1,045,667 | 6 | 248,879 | 0 | 512,172 | 9 | 97,922 | 54 | 789,765 | 12 |

Table 7. Imports of intermediate and final goods (in 1000 EUR) and share of intra-CEFTA exports by CEFTA economy in 2009

| | | EU27 | | CEFTA | | Albania | | BIH | | Croatia | | Moldova | | FYR Ma | icedonia | Monte | Montenegro | | Serbia | |
|----------------------------------|---------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|----------|---------|------------|---------|--------|--|
| | | interm. | final | interm. | final | interm. | final | |
| Food, Beverages and Tobacco | Exports | 0.84 | 1.30 | 1.19 | 2.16 | 0.68 | 0.84 | 0.83 | 1.02 | 0.65 | 1.80 | 3.29 | 5.33 | 0.91 | 2.39 | 0.76 | 2.51 | 1.94 | 2.83 | |
| Food, Beverages and Tobacco | Imports | 1.07 | 1.30 | 1.26 | 1.72 | 0.98 | 2.26 | 1.91 | 2.65 | 1.15 | 1.38 | 1.20 | 2.41 | 1.75 | 1.96 | 1.88 | 3.31 | 0.83 | 0.86 | |
| Textiles, Clothing | Exports | 0.73 | 0.81 | 0.59 | 2.88 | 0.50 | 11.67 | 0.55 | 2.63 | 0.62 | 1.74 | 0.73 | 6.19 | 0.81 | 6.49 | 0.01 | 0.15 | 0.53 | 2.06 | |
| Textiles, Clothing | Imports | 0.83 | 1.21 | 2.56 | 1.06 | 3.31 | 1.31 | 3.02 | 1.08 | 1.53 | 1.17 | 4.04 | 0.85 | 6.60 | 0.58 | 0.18 | 1.03 | 2.17 | 1.01 | |
| Wood and Cork | Exports | 1.21 | 0.46 | 4.11 | 0.82 | 0.84 | 8.82 | 7.90 | 1.21 | 5.36 | 0.48 | 0.33 | 0.01 | 0.51 | 0.43 | 5.90 | 0.06 | 2.52 | 0.36 | |
| Wood and Cork | Imports | 1.17 | 1.05 | 2.14 | 0.64 | 2.19 | 0.53 | 1.72 | 0.55 | 1.91 | 0.88 | 2.84 | 0.36 | 1.99 | 0.26 | 1.89 | 0.64 | 2.74 | 0.56 | |
| Paper, Printing and Publishing | Exports | 1.31 | 1.36 | 1.13 | 1.02 | 1.42 | 0.19 | 1.14 | 1.21 | 1.12 | 0.96 | 0.25 | 0.35 | 0.33 | 0.29 | 0.53 | 0.87 | 1.48 | 1.40 | |
| Paper, Printing and Publishing | Imports | 1.23 | 1.26 | 1.43 | 1.64 | 1.18 | 1.20 | 1.32 | 1.71 | 1.29 | 1.80 | 1.23 | 1.38 | 1.33 | 1.13 | 0.65 | 2.18 | 2.08 | 1.68 | |
| Coke, Petroleum Products | Exports | 0.78 | 1.63 | 1.07 | 0.63 | 0.28 | 0.00 | 0.93 | 0.00 | 2.02 | 1.67 | 0.11 | 0.00 | 0.20 | 0.00 | 0.42 | 0.00 | 0.43 | 0.00 | |
| Coke, Petroleum Products | Imports | 0.85 | 1.63 | 1.11 | 0.08 | 1.58 | 0.00 | 1.38 | 0.00 | 0.75 | 0.21 | 2.76 | 0.00 | 0.45 | 0.00 | 1.69 | 0.00 | 1.04 | 0.00 | |
| Chemicals | Exports | 1.16 | 1.36 | 0.46 | 0.85 | 0.07 | 0.03 | 0.41 | 0.33 | 0.61 | 0.80 | 0.10 | 0.51 | 0.24 | 2.16 | 0.06 | 0.32 | 0.46 | 0.95 | |
| Chemicals | Imports | 1.08 | 1.04 | 0.77 | 1.84 | 0.39 | 1.60 | 0.63 | 2.05 | 0.74 | 1.66 | 0.51 | 2.76 | 0.71 | 1.52 | 0.39 | 1.83 | 1.26 | 1.99 | |
| Rubber and Plastics | Exports | 1.20 | 1.07 | 1.32 | 0.52 | 0.37 | 0.35 | 0.80 | 0.42 | 0.65 | 0.57 | 0.86 | 0.70 | 1.00 | 0.19 | 0.09 | 0.05 | 2.75 | 0.63 | |
| Rubber and Plastics | Imports | 1.18 | 1.10 | 1.58 | 0.92 | 1.10 | 0.79 | 1.70 | 0.95 | 1.59 | 1.05 | 2.28 | 0.92 | 1.45 | 0.73 | 1.36 | 0.89 | 1.58 | 0.80 | |
| Other Non-Metallic Mineral Prod. | Exports | 1.20 | 1.22 | 2.49 | 0.38 | 2.51 | 0.98 | 1.63 | 0.24 | 3.65 | 0.64 | 2.90 | 0.01 | 2.52 | 0.06 | 0.27 | 0.06 | 1.48 | 0.20 | |
| Other Non-Metallic Mineral Prod. | Imports | 1.08 | 1.40 | 2.63 | 1.47 | 5.05 | 1.83 | 2.91 | 1.36 | 2.15 | 1.51 | 2.75 | 2.23 | 2.28 | 1.04 | 4.91 | 1.54 | 1.92 | 1.31 | |
| Basic Metals | Exports | 0.82 | 1.84 | 1.61 | 0.48 | 0.93 | 0.00 | 1.89 | 1.84 | 0.48 | 0.56 | 0.05 | 0.00 | 3.77 | 0.00 | 8.72 | 0.00 | 2.22 | 0.00 | |
| Basic Metals | Imports | 0.86 | 1.45 | 1.06 | 2.92 | 1.09 | 0.00 | 0.95 | 1.44 | 1.01 | 7.38 | 0.50 | 0.00 | 1.43 | 0.00 | 0.61 | 0.00 | 1.28 | 0.06 | |
| Fabricated Metal Products | Exports | 1.20 | 1.19 | 1.81 | 1.21 | 2.61 | 0.11 | 3.19 | 0.78 | 1.92 | 0.90 | 0.60 | 1.28 | 1.19 | 0.24 | 0.86 | 0.32 | 1.28 | 2.26 | |
| Fabricated Metal Products | Imports | 1.10 | 1.19 | 1.60 | 1.57 | 2.01 | 1.31 | 1.57 | 1.89 | 1.81 | 1.70 | 1.09 | 2.03 | 0.96 | 1.13 | 1.82 | 1.28 | 1.42 | 1.36 | |
| Machinery and Equipment, n.e.c | Exports | 1.22 | 1.19 | 0.70 | 0.65 | 0.05 | 0.14 | 0.88 | 0.45 | 0.98 | 0.78 | 0.30 | 0.35 | 0.32 | 0.29 | 0.60 | 0.95 | 0.51 | 0.76 | |
| Machinery and Equipment, n.e.c | Imports | 1.00 | 0.85 | 0.71 | 1.33 | 0.61 | 1.03 | 0.82 | 1.16 | 0.86 | 1.59 | 0.33 | 0.99 | 0.52 | 1.14 | 0.54 | 0.96 | 0.64 | 1.38 | |
| Office, Computers | Exports | 0.61 | 0.56 | 0.17 | 0.14 | 0.21 | 0.03 | 0.03 | 0.02 | 0.14 | 0.17 | 0.02 | 0.03 | 0.02 | 0.06 | 0.03 | 0.05 | 0.34 | 0.22 | |
| Office, Computers | Imports | 0.80 | 0.88 | 0.32 | 0.55 | 0.25 | 0.55 | 0.19 | 0.39 | 0.35 | 0.58 | 0.07 | 0.24 | 0.23 | 0.69 | 0.15 | 0.41 | 0.49 | 0.67 | |
| Electrical Machinery n.e.c | Exports | 1.04 | 0.90 | 1.17 | 1.36 | 0.58 | 0.72 | 0.76 | 0.17 | 1.07 | 2.98 | 3.08 | 0.11 | 0.58 | 0.28 | 0.09 | 0.05 | 1.54 | 0.50 | |
| Electrical Machinery n.e.c | Imports | 0.95 | 0.74 | 0.88 | 0.59 | 0.94 | 0.53 | 0.74 | 0.52 | 0.88 | 0.63 | 1.23 | 0.36 | 0.59 | 0.45 | 0.97 | 0.60 | 0.95 | 0.71 | |
| Radio, TV and Communication | Exports | 0.33 | 0.71 | 0.17 | 0.26 | 0.01 | 0.19 | 0.01 | 0.02 | 0.38 | 0.24 | 0.07 | 0.04 | 0.03 | 0.02 | 0.01 | 0.11 | 0.04 | 0.52 | |
| Radio, TV and Communication | Imports | 0.42 | 0.88 | 0.15 | 0.65 | 0.16 | 0.59 | 0.07 | 0.44 | 0.22 | 0.64 | 0.21 | 0.70 | 0.14 | 0.77 | 0.12 | 0.41 | 0.08 | 0.81 | |
| Medical, Instruments | Exports | 0.78 | 0.92 | 0.14 | 0.23 | 0.05 | 0.04 | 0.03 | 0.13 | 0.13 | 0.32 | 0.25 | 0.26 | 0.42 | 0.07 | 0.02 | 0.03 | 0.12 | 0.23 | |
| Medical, Instruments | Imports | 0.86 | 0.88 | 0.33 | 0.57 | 0.18 | 0.35 | 0.30 | 0.45 | 0.36 | 0.59 | 0.25 | 0.56 | 0.22 | 0.59 | 0.19 | 0.52 | 0.44 | 0.71 | |
| Motor Vehicles, Trailers | Exports | 1.31 | 1.37 | 0.61 | 0.10 | 0.03 | 0.05 | 1.26 | 0.07 | 0.59 | 0.08 | 0.04 | 0.15 | 0.23 | 0.02 | 0.04 | 0.17 | 0.62 | 0.15 | |
| Motor Vehicles, Trailers | Imports | 1.28 | 1.21 | 0.33 | 1.05 | 0.17 | 1.12 | 0.43 | 1.07 | 0.36 | 1.08 | 0.30 | 0.77 | 0.16 | 1.15 | 0.17 | 0.88 | 0.39 | 1.04 | |
| Other Transport Equipment | Exports | 1.34 | 0.88 | 0.45 | 1.07 | 0.06 | 0.00 | 0.13 | 0.22 | 0.82 | 2.31 | 0.23 | 0.10 | 0.24 | 0.03 | 0.35 | 0.19 | 0.27 | 0.51 | |
| Other Transport Equipment | Imports | 1.18 | 1.30 | 0.19 | 0.75 | 0.08 | 0.12 | 0.06 | 0.22 | 0.30 | 1.31 | 0.12 | 0.10 | 0.05 | 0.78 | 0.09 | 0.85 | 0.22 | 0.52 | |
| Manufacturing n.e.c; Recycling | Exports | 1.00 | 0.97 | 3.92 | 0.89 | 0.67 | 0.79 | 13.26 | 1.88 | 3.94 | 0.78 | 0.71 | 1.11 | 0.31 | 0.41 | 0.01 | 0.15 | 1.41 | 0.69 | |
| Manufacturing n.e.c; Recycling | Imports | 1.09 | 1.14 | 0.84 | 0.93 | 0.70 | 0.65 | 0.91 | 0.70 | 0.81 | 1.08 | 1.25 | 0.96 | 1.58 | 1.53 | 0.32 | 1.25 | 0.61 | 0.64 | |
| ICT | Exports | 0.44 | 0.74 | 0.16 | 0.21 | 0.06 | 0.08 | 0.02 | 0.06 | 0.30 | 0.25 | 0.08 | 0.12 | 0.07 | 0.05 | 0.02 | 0.06 | 0.11 | 0.32 | |
| ICT | Imports | 0.54 | 0.88 | 0.20 | 0.59 | 0.18 | 0.49 | 0.12 | 0.43 | 0.26 | 0.60 | 0.19 | 0.51 | 0.17 | 0.68 | 0.13 | 0.45 | 0.20 | 0.73 | |
| Medium-high | Exports | 1.18 | 1.17 | 0.63 | 0.64 | 0.13 | 0.13 | 0.66 | 0.25 | 0.75 | 1.07 | 0.59 | 0.23 | 0.30 | 0.29 | 0.18 | 0.44 | 0.65 | 0.52 | |
| Medium-high | Imports | 1.08 | 1.03 | 0.68 | 1.14 | 0.45 | 0.94 | 0.61 | 1.02 | 0.69 | 1.30 | 0.53 | 0.89 | 0.54 | 1.06 | 0.45 | 0.95 | 0.92 | 1.15 | |
| Medium-low | Exports | 0.94 | 1.16 | 1.50 | 0.80 | 0.99 | 0.31 | 1.61 | 0.54 | 1.35 | 0.75 | 0.45 | 0.84 | 1.95 | 0.19 | 3.56 | 0.16 | 1.60 | 1.25 | |
| Medium-low | Imports | 0.94 | 1.18 | 1.31 | 1.23 | 1.61 | 1.09 | 1.39 | 1.37 | 1.19 | 1.36 | 1.63 | 1.50 | 1.14 | 0.91 | 1.46 | 1.10 | 1.31 | 1.06 | |
| Low | Exports | 0.99 | 1.06 | 1.52 | 2.07 | 0.85 | 4.61 | 2.40 | 1.77 | 1.53 | 1.51 | 1.26 | 4.43 | 0.64 | 3.27 | 1.09 | 1.09 | 1.47 | 2.02 | |
| Low | Imports | 1.07 | 1.23 | 1.71 | 1.31 | 1.73 | 1.51 | 1.93 | 1.62 | 1.36 | 1.27 | 2.09 | 1.48 | 2.81 | 1.32 | 1.04 | 1.99 | 1.73 | 0.92 | |

 Table 8.
 Revealed comparative advantage in intermediate and final goods trade in 2009

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