

6.1. SECTORAL COMPETITIVENESS INDICATORS

6.1.1. Explanatory notes

Geographical coverage: all indicators refer to EU-27

Production index¹⁴⁴: The production index is actually an index of final production in volume terms.

Labour productivity: this indicator is calculated by combining the indexes of production and number of persons employed or number of hours worked¹⁴⁵. Therefore, this indicator measures final production per person of final production per hour worked.

Unit Labour Cost: it is calculated from the production index and the index of wages and salaries and measures labour cost per unit of production. “Wages and salaries” is defined (Eurostat) as “the total remuneration, in cash or in kind, payable to all persons counted on the payroll (including homeworkers), in return for work done during the accounting period, regardless of whether it is paid on the basis of working time, output or piecework and whether it is paid regularly wages and salaries do not include social contributions payable by the employer”.

Relative Trade Balance: it is calculated, for sector “i”, as $(X_i - M_i)/(X_i + M_i)$, where X_i and M_i are EU-27 exports and imports of products of sector “i” to and from the rest of the World.

Revealed Comparative Advantage (RCA): The RCA indicator for product “i” is defined as follows:

$$RCA_i = \frac{\frac{X_{EU,i}}{\sum_i X_{EU,i}}}{\frac{X_{W,i}}{\sum_i X_{W,i}}}$$

where: X=value of exports; the reference group (‘W’) is the EU-27 plus 109 other countries (see list below); the source used is the UN COMTRADE database. In the calculation of RCA, X_{EU} stands for exports to the rest of the world (excluding intra-EU trade) and X_W measures exports to the rest of the world by the countries in the reference group. The latter consists of the EU-27 plus the following countries: Albania, Algeria, Azerbaijan, Argentina, Australia, Bahamas, Bahrain, Armenia, Bermuda, Bhutan, Bolivia (Plurinational State of), Bosnia Herzegovina, Brazil, Belize, Belarus, Cambodia, Canada, Cape Verde, Central African Rep., Sri Lanka, Chile, China, Colombia, Costa Rica, Croatia, Dominican Rep., Ecuador, El Salvador, Ethiopia, French Polynesia, Georgia, Gambia, State of Palestine, Ghana, Greenland, Guatemala, Guyana, China, Hong Kong SAR, Iceland, Indonesia, Iran, Israel, Côte d’Ivoire, Japan, Kazakhstan, Jordan, Rep. of Korea, Kyrgyzstan, Lebanon, China, Macao SAR, Madagascar, Malawi, Malaysia, Maldives, Mauritania, Mauritius, Mexico, Other Asia, nes, Rep. of Moldova, Montenegro, Montserrat, Namibia, Nepal, Aruba, New Caledonia, New Zealand, Nicaragua, Niger, Nigeria, Norway, Pakistan, Panama, Paraguay, Peru, Qatar, Russian Federation, Rwanda, Saint Kitts and Nevis, Saint Vincent and the Grenadines, Saudi Arabia, Senegal, Serbia, India, Singapore, Viet Nam, South Africa, Zimbabwe, Suriname, Switzerland, Thailand, Togo, Tonga, United Arab Emirates, Tunisia, Turkey, Turks and Caicos Isds, Uganda, Ukraine, Former Yugoslav Republic of Macedonia, Egypt, United Rep. of Tanzania, US, Burkina Faso, Samoa, Yemen, Zambia.

Statistical nomenclatures: the indicators in Tables 6.1 to 6.6 are presented at the level of divisions of the statistical classification of economic activities in the European Community (NACE Rev.2¹⁴⁶), while those in

¹⁴⁴ The data are working-day adjusted for production.

¹⁴⁵ The data are working-day adjusted for hours worked.

¹⁴⁶ Compared to the statistical annexes of the previous publications, the new activity classification is used: NACE REV 2. The correspondence tables from NACE Rev. 2 – NACE Rev. 1.1 and from NACE Rev. 1.1 to NACE Rev. 2, are available on:

http://epp.eurostat.ec.europa.eu/portal/page/portal/nace_rev2/introductionhttp://epp.eurostat.ec.europa.eu/portal/page/portal/nace_rev2/introduction

Tables 6.7 to 6.9.2 are presented in terms of divisions of the statistical classification of products by activity (CPA).

Table 6.10 uses extended balance of payments services classification. In terms of data sources: Tables 6.1 to 6.6 are based on Eurostat's short-term indicators data. Tables 6.7, 6.8, 6.9 and 6.9.2 are based on United Nations' COMTRADE. Table 6.10 is based on IMF balance of Payments. Royalties and license fees were not included as it is not related to a special service activity.

Figure 6.1. EU-27 - Industry production index, annual growth rate (%)

Code (NACE Rev. 2)	Sector	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average 2007-2012
B	MINING AND QUARRYING	-2.8	0.5	-2.8	-1.9	-6.0	-3.8	-0.1	-3.6	-10.7	-0.3	-7.0	-5.8	-5.5
C	MANUFACTURING	0.1	-0.8	0.3	2.5	1.6	4.8	4.2	-1.9	-15.3	7.3	4.5	-2.2	-1.8
C10	Manufacture of food products	1.4	1.9	0.5	2.1	2.4	1.3	1.9	-0.5	-1.0	2.2	1.0	-0.7	0.2
C11	Manufacture of beverages	2.7	1.6	1.3	-2.3	0.9	3.7	1.2	-2.1	-3.2	-1.0	6.5	-2.8	-0.6
C12	Manufacture of tobacco products	-1.6	-2.1	-5.8	-11.4	-5.5	-4.7	1.5	-11.7	-0.7	-5.9	-6.2	-4.5	-5.9
C13	Manufacture of textiles	-2.9	-4.5	-3.4	-4.8	-5.9	-0.8	-1.1	-10.2	-18.0	7.8	-2.1	-6.0	-6.1
C14	Manufacture of wearing apparel	-4.7	-11.5	-7.3	-5.6	-10.4	-0.5	-0.6	-7.6	-14.0	-1.1	-4.1	-5.8	-6.6
C15	Manufacture of leather and related products	-5.7	-8.3	-6.8	-10.2	-9.0	-2.9	-5.7	-8.1	-14.1	2.1	5.4	-4.2	-4.0
C16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-4.2	0.7	2.3	3.2	0.2	4.2	0.7	-9.1	-14.9	2.9	2.6	-4.3	-4.8
C17	Manufacture of paper and paper products	-2.0	3.4	1.4	2.9	-0.1	3.9	2.6	-3.2	-8.7	6.0	-1.1	-1.5	-1.8
C18	Printing and reproduction of recorded media	-1.9	-0.6	-1.2	1.4	2.4	0.2	0.7	-2.2	-7.9	-0.3	-0.5	-6.6	-3.6
C19	Manufacture of coke and refined petroleum products	-0.9	0.9	1.3	4.6	0.7	-0.9	0.4	1.0	-8.0	-2.0	-1.7	-1.9	-2.6
C20	Manufacture of chemicals and chemical products	-1.9	1.9	-0.1	3.3	2.0	3.4	2.9	-3.3	-12.5	10.3	1.3	-1.6	-1.4
C21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	10.9	8.6	5.0	-0.2	4.7	5.9	0.4	0.6	2.9	4.9	1.6	0.2	2.0
C22	Manufacture of rubber and plastic products	-0.3	0.0	1.9	1.8	0.9	3.9	4.5	-4.6	-13.9	7.3	3.8	-3.4	-2.4
C23	Manufacture of other non-metallic mineral products	-0.6	-1.7	0.3	1.7	0.5	4.2	1.8	-6.7	-19.4	1.9	3.2	-8.4	-6.2
C24	Manufacture of basic metals	-1.2	-0.4	0.2	4.9	-0.7	6.3	1.3	-3.6	-27.1	18.1	3.6	-5.1	-4.0
C25	Manufacture of fabricated metal products, except machinery and equipment	0.4	-0.6	0.9	2.6	1.5	4.8	6.1	-3.0	-22.6	6.9	7.2	-3.3	-3.6
C26	Manufacture of computer, electronic and optical products	-6.3	-10.2	0.5	6.4	2.8	9.0	7.6	0.7	-17.2	7.2	5.1	-2.0	-1.6
C27	Manufacture of electrical equipment	-0.7	-4.1	-1.6	2.3	0.9	8.4	4.3	-0.7	-21.0	11.4	4.3	-2.3	-2.3
C28	Manufacture of machinery and equipment n.e.c.	1.3	-1.8	-0.8	4.1	3.9	8.4	8.4	1.4	-26.8	10.6	11.5	0.5	-1.7
C29	Manufacture of motor vehicles, trailers and semi-trailers	1.6	0.7	1.6	4.5	1.4	3.3	6.1	-5.9	-25.1	21.6	12.1	-3.1	-1.4
C30	Manufacture of other transport equipment	1.2	-3.5	0.5	0.4	2.0	7.8	4.8	3.9	-5.7	-0.7	4.1	2.8	0.8
C31	Manufacture of furniture	-2.3	-5.1	-2.5	0.3	1.1	3.8	3.3	-5.0	-16.7	-1.0	2.0	-5.6	-5.5
C32	Other manufacturing	3.6	3.0	-2.2	1.2	0.9	5.3	1.7	-1.5	-6.9	8.2	3.1	0.0	0.5
C33	Repair and installation of machinery and equipment	0.3	-4.0	-2.0	4.5	1.1	7.9	4.5	3.7	-10.2	2.2	4.5	-1.5	-0.4
D	ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	2.0	0.9	3.0	2.3	2.0	0.9	-0.7	-0.1	-4.5	4.1	-4.1	0.3	-0.9
E	WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	CONSTRUCTION	1.1	0.3	1.7	0.7	2.8	3.4	2.7	-2.9	-7.5	-4.7	0.2	-5.2	-4.1

N/A: Data not available, Source: Eurostat

Figure 6.2. EU-27 - Number of persons employed, annual growth rate (%)

Code (NACE Rev. 2)	Sector	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average 2007-2012
B	MINING AND QUARRYING	-3.4	-4.6	-4.5	-4.6	-3.1	-3.8	-3.5	-1.5	-3.8	-4.1	-3.4	-1.4	-2.9
C	MANUFACTURING	0.0	-1.9	-2.0	-1.9	-1.3	-0.8	0.5	-0.3	-7.3	-3.7	0.6	-0.3	-2.2
C10	Manufacture of food products	-0.6	-0.9	-0.5	-1.2	0.1	-0.2	0.0	-0.1	-1.9	-0.5	0.5	-0.3	-0.5
C11	Manufacture of beverages	-1.8	-1.1	-1.8	-1.2	-1.3	-1.4	-0.1	-1.2	-6.4	-1.9	-1.5	-1.6	-2.5
C12	Manufacture of tobacco products	-4.2	-0.3	-5.0	-5.2	-2.1	0.1	-11.1	-9.9	-6.0	-6.8	-2.4	-4.9	-6.0
C13	Manufacture of textiles	-3.2	-5.0	-7.2	-6.3	-4.3	-5.9	-5.3	-6.3	-12.9	-5.9	-2.7	-2.4	-6.1
C14	Manufacture of wearing apparel	-3.1	-3.6	-3.9	-6.2	-7.7	-5.8	-5.9	-6.7	-13.1	-8.5	-1.8	-2.7	-6.6
C15	Manufacture of leather and related products	-1.2	-0.6	-4.4	-6.7	-5.6	-2.7	-3.7	-5.9	-12.5	-3.6	4.1	0.4	-3.7
C16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-0.9	-1.5	-1.3	-1.4	-0.6	-1.3	0.6	-2.3	-12.6	-3.4	-0.1	-3.2	-4.4
C17	Manufacture of paper and paper products	-1.7	-0.7	-3.0	-1.6	-2.6	-2.6	-2.8	-2.2	-5.5	-2.3	-0.5	-1.9	-2.5
C18	Printing and reproduction of recorded media	-0.2	-2.1	-4.0	-1.9	-3.3	-1.6	-0.1	-2.3	-7.0	-4.8	-3.6	-3.6	-4.3
C19	Manufacture of coke and refined petroleum products	-1.9	-3.0	-3.2	-1.7	-2.9	-3.1	0.9	-0.7	-3.3	-2.8	-2.8	0.7	-1.8
C20	Manufacture of chemicals and chemical products	-0.8	-1.6	-2.6	-3.3	-2.2	-1.2	-0.6	-2.3	-4.5	-2.3	-0.2	-0.1	-1.9
C21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	1.8	2.2	-0.5	-2.4	-1.4	1.6	0.3	-2.5	-3.6	-1.0	-0.4	1.2	-1.3
C22	Manufacture of rubber and plastic products	1.0	-0.9	0.2	0.0	-0.8	-0.8	1.6	0.6	-7.0	-2.6	1.3	0.6	-1.5
C23	Manufacture of other non-metallic mineral products	-0.6	-2.3	-2.8	-2.1	-1.0	-0.7	1.2	-2.1	-10.7	-6.5	-1.9	-3.0	-4.9
C24	Manufacture of basic metals	-0.2	-4.0	-2.9	-4.2	-1.1	-1.0	-0.6	-0.6	-8.4	-5.4	1.0	-1.4	-3.0
C25	Manufacture of fabricated metal products, except machinery and equipment	1.0	-1.0	-1.1	0.2	-0.2	1.4	3.3	2.6	-8.4	-5.4	1.6	0.5	-1.9
C26	Manufacture of computer, electronic and optical products	1.9	-5.6	-4.4	-2.9	-1.3	-0.8	1.2	-1.8	-8.7	-3.9	1.2	-1.9	-3.1
C27	Manufacture of electrical equipment	0.5	-3.9	-4.1	-1.4	-0.6	0.9	2.5	1.1	-8.2	-2.0	3.3	0.5	-1.1
C28	Manufacture of machinery and equipment n.e.c.	1.0	-1.5	-2.2	-2.4	-0.9	0.7	3.0	1.9	-5.9	-5.0	2.7	1.9	-0.9
C29	Manufacture of motor vehicles, trailers and semi-trailers	1.7	-1.0	-0.4	0.2	-0.8	-1.0	-0.2	0.8	-8.9	-2.8	2.9	1.3	-1.4
C30	Manufacture of other transport equipment	0.0	-1.7	-2.7	-1.7	0.3	0.8	2.7	1.7	-1.5	-4.7	-0.3	1.0	-0.8
C31	Manufacture of furniture	0.5	-3.4	0.2	-2.6	-2.5	-1.3	0.3	-2.1	-9.6	-8.4	-1.7	-3.1	-5.0
C32	Other manufacturing	1.1	-1.6	-0.2	-1.0	-1.7	-0.5	0.3	-0.1	-3.1	-1.9	-0.9	0.8	-1.1
C33	Repair and installation of machinery and equipment	0.2	-2.3	-2.0	-0.5	-0.5	0.5	0.6	3.5	-1.8	-2.8	-1.4	1.0	-0.3
D	ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	-2.7	-5.1	-4.9	-3.6	-2.4	-1.2	-1.6	-0.9	1.8	-0.2	0.4	-1.8	-0.1
E	WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	-0.4	-0.3	0.5	-1.0	-1.8	1.9	0.7	-1.0	-0.3	-0.3	-0.3	1.1	-0.2
F	CONSTRUCTION	1.9	0.6	1.7	2.1	3.7	3.8	4.8	-0.3	-7.1	-5.5	-3.0	-3.9	-4.0

N/A: Data not available, Source: Eurostat

Figure 6.3. EU-27 - Number of hours worked, annual growth rate (%)

Code (NACE Rev. 2)	Sector	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average 2007-2012
B	MINING AND QUARRYING	-2.7	-4.7	-5.3	-3.8	-3.0	-4.8	-3.6	-1.3	-5.4	-2.5	-2.3	-0.1	-2.3
C	MANUFACTURING	-1.2	-2.4	-2.5	-1.4	-1.5	-0.1	0.1	-0.7	-9.6	-0.7	1.5	-0.7	-2.1
C10	Manufacture of food products	-1.1	-1.8	-2.0	-0.3	-0.5	-0.2	-0.5	0.2	-2.6	0.3	0.2	-0.7	-0.5
C11	Manufacture of beverages	-0.2	-3.5	-0.3	0.5	-2.9	-4.0	-1.2	-1.7	-4.6	-4.5	-0.3	-1.4	-2.5
C12	Manufacture of tobacco products	2.0	-2.3	-10.3	-1.9	-3.8	-8.7	-2.5	-10.6	-6.1	-4.1	-1.3	-1.2	-4.7
C13	Manufacture of textiles	-4.4	-5.6	-7.4	-7.2	-5.4	-5.7	-3.2	-5.7	-15.3	-0.6	-0.3	-1.4	-4.8
C14	Manufacture of wearing apparel	-3.5	-2.3	-3.1	-3.7	-4.1	-3.7	-5.8	-6.9	-15.3	-8.3	0.3	-3.1	-6.8
C15	Manufacture of leather and related products	-1.9	-0.6	-1.8	-2.6	-4.1	-0.9	-4.7	-7.1	-12.0	-0.6	3.9	0.4	-3.2
C16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-3.3	-1.2	-1.9	-1.1	-2.2	-0.4	-0.3	-3.0	-13.6	0.1	0.2	-2.1	-3.8
C17	Manufacture of paper and paper products	-1.8	-0.4	-2.9	-1.9	-2.0	-0.9	-1.3	-4.1	-7.7	-0.5	0.2	-1.6	-2.8
C18	Printing and reproduction of recorded media	-1.2	-3.5	-4.4	-2.9	-2.3	-0.1	0.2	-2.0	-6.1	-3.7	-2.4	-5.1	-3.9
C19	Manufacture of coke and refined petroleum products	-1.9	-3.9	-2.1	-0.4	0.0	-3.7	0.4	2.0	-9.0	-2.2	-1.8	1.0	-2.1
C20	Manufacture of chemicals and chemical products	-2.3	-2.2	-2.7	-2.0	-3.2	-0.9	-1.6	-1.9	-5.5	-1.5	0.8	0.8	-1.5
C21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	0.4	1.9	-0.2	-0.7	-1.6	0.0	0.9	0.0	-1.9	-0.8	-0.1	1.8	-0.2
C22	Manufacture of rubber and plastic products	-0.3	-1.8	-1.5	-0.2	-1.4	1.6	0.6	-0.4	-9.4	0.9	2.2	0.3	-1.4
C23	Manufacture of other non-metallic mineral products	-2.6	-3.3	-3.2	-1.3	-1.0	-0.5	0.4	-2.7	-12.4	-2.4	-0.4	-3.5	-4.4
C24	Manufacture of basic metals	-1.6	-3.2	-4.7	-2.1	-2.1	0.0	-0.5	-0.9	-13.1	1.8	2.6	-2.1	-2.5
C25	Manufacture of fabricated metal products, except machinery and equipment	-0.5	-1.3	-2.0	-0.3	-1.0	1.7	2.2	2.9	-11.7	-0.7	1.9	0.4	-1.6
C26	Manufacture of computer, electronic and optical products	-0.3	-5.0	-4.4	-2.9	-1.5	-0.7	0.3	-1.0	-12.2	-2.4	-0.1	-1.7	-3.6
C27	Manufacture of electrical equipment	-1.2	-2.9	-3.8	-1.6	-1.9	2.5	1.7	0.6	-13.4	3.4	3.3	-1.2	-1.7
C28	Manufacture of machinery and equipment n.e.c.	-0.6	-2.3	-2.2	-1.2	-1.3	1.5	2.5	1.7	-11.2	-0.2	4.3	0.7	-1.1
C29	Manufacture of motor vehicles, trailers and semi-trailers	0.4	-1.8	-0.9	0.4	-0.3	-0.6	0.8	-1.4	-14.2	4.1	4.5	-0.2	-1.7
C30	Manufacture of other transport equipment	-1.4	-2.0	-1.8	-2.3	-0.4	1.0	0.9	1.3	-1.9	-3.8	-0.4	2.1	-0.6
C31	Manufacture of furniture	0.7	-4.6	-3.3	-0.5	-3.4	0.8	0.3	-2.9	-11.9	-5.5	-0.8	-2.8	-4.9
C32	Other manufacturing	0.2	-3.2	-2.5	0.3	-2.8	-0.8	0.6	0.4	-5.7	0.2	2.4	1.5	-0.3
C33	Repair and installation of machinery and equipment	-1.5	-3.0	-3.4	-2.7	0.0	0.9	0.6	1.6	0.1	-3.7	-0.1	0.6	-0.3
D	ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	-1.8	-4.9	-4.6	-2.0	-0.3	-1.4	-1.0	-0.1	-0.9	-0.5	1.2	-2.7	-0.6
E	WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	-1.2	-1.4	-0.9	1.2	-2.2	-0.2	0.2	0.7	-2.8	0.5	0.3	1.6	0.0
F	CONSTRUCTION	0.6	-1.7	0.7	1.0	7.2	2.9	2.7	-1.3	-9.3	-7.2	-0.8	-1.7	-4.1

N/A: Data not available, Source: Eurostat

Figure 6.4. EU-27 - Labour productivity per person employed, annual growth rate (%)

Code (NACE Rev. 2)	Sector	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average 2007-2012
B	MINING AND QUARRYING	0.6	5.4	1.8	2.8	-3.0	0.0	3.5	-2.1	-7.1	4.0	-3.7	-4.4	-2.7
C	MANUFACTURING	0.1	1.2	2.3	4.5	3.0	5.6	3.7	-1.6	-8.7	11.4	3.9	-1.9	0.4
C10	Manufacture of food products	2.0	2.8	1.0	3.3	2.3	1.5	1.9	-0.4	0.9	2.7	0.5	-0.4	0.7
C11	Manufacture of beverages	4.6	2.7	3.2	-1.2	2.3	5.2	1.3	-0.9	3.5	1.0	8.1	-1.3	2.0
C12	Manufacture of tobacco products	2.7	-1.8	-0.8	-6.6	-3.5	-4.8	14.1	-2.0	5.7	1.0	-3.9	0.4	0.2
C13	Manufacture of textiles	0.3	0.5	4.1	1.6	-1.7	5.4	4.5	-4.1	-5.8	14.5	0.6	-3.7	0.0
C14	Manufacture of wearing apparel	-1.7	-8.2	-3.5	0.6	-2.9	5.7	5.6	-1.0	-1.0	8.1	-2.4	-3.2	0.0
C15	Manufacture of leather and related products	-4.5	-7.8	-2.5	-3.7	-3.7	-0.2	-2.1	-2.3	-1.8	6.0	1.2	-4.6	-0.4
C16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-3.3	2.2	3.7	4.7	0.8	5.6	0.1	-7.0	-2.7	6.5	2.7	-1.2	-0.4
C17	Manufacture of paper and paper products	-0.3	4.1	4.5	4.6	2.6	6.6	5.5	-1.0	-3.4	8.5	-0.6	0.4	0.7
C18	Printing and reproduction of recorded media	-1.8	1.5	2.9	3.3	5.8	1.9	0.8	0.1	-0.9	4.7	3.2	-3.1	0.7
C19	Manufacture of coke and refined petroleum products	1.0	4.0	4.7	6.4	3.7	2.2	-0.5	1.7	-4.9	0.8	1.1	-2.6	-0.8
C20	Manufacture of chemicals and chemical products	-1.1	3.6	2.6	6.8	4.2	4.7	3.5	-1.1	-8.4	12.9	1.5	-1.5	0.5
C21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	8.9	6.3	5.5	2.3	6.2	4.2	0.1	3.2	6.7	6.0	2.0	-1.0	3.3
C22	Manufacture of rubber and plastic products	-1.3	0.9	1.7	1.8	1.7	4.7	2.9	-5.2	-7.4	10.1	2.5	-4.0	-1.0
C23	Manufacture of other non-metallic mineral products	0.0	0.6	3.2	3.9	1.5	4.9	0.6	-4.7	-9.7	9.0	5.2	-5.6	-1.4
C24	Manufacture of basic metals	-1.0	3.7	3.2	9.5	0.4	7.4	1.9	-3.0	-20.5	24.8	2.6	-3.8	-1.0
C25	Manufacture of fabricated metal products, except machinery and equipment	-0.6	0.4	2.0	2.4	1.7	3.4	2.7	-5.5	-15.5	13.0	5.5	-3.8	-1.7
C26	Manufacture of computer, electronic and optical products	-8.1	-4.8	5.2	9.6	4.2	9.8	6.3	2.6	-9.3	11.5	3.8	-0.1	1.5
C27	Manufacture of electrical equipment	-1.2	-0.2	2.6	3.7	1.5	7.4	1.8	-1.8	-14.0	13.7	1.0	-2.8	-1.2
C28	Manufacture of machinery and equipment n.e.c.	0.2	-0.3	1.5	6.7	4.8	7.6	5.3	-0.5	-22.2	16.4	8.5	-1.4	-0.7
C29	Manufacture of motor vehicles, trailers and semi-trailers	-0.1	1.7	2.0	4.3	2.2	4.3	6.4	-6.7	-17.8	25.1	8.9	-4.4	0.0
C30	Manufacture of other transport equipment	1.2	-1.8	3.3	2.1	1.7	7.0	2.0	2.2	-4.3	4.2	4.4	1.7	1.6
C31	Manufacture of furniture	-2.7	-1.7	-2.6	3.0	3.7	5.1	3.0	-3.0	-7.8	8.1	3.7	-2.5	-0.5
C32	Other manufacturing	2.4	4.7	-2.0	2.2	2.7	5.8	1.4	-1.4	-3.9	10.3	4.0	-0.8	1.5
C33	Repair and installation of machinery and equipment	0.1	-1.7	0.0	5.0	1.6	7.4	3.8	0.2	-8.6	5.1	5.9	-2.4	-0.1
D	ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	4.8	6.3	8.3	6.1	4.5	2.1	0.9	0.8	-6.2	4.3	-4.5	2.1	-0.8
E	WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	CONSTRUCTION	-0.8	-0.3	0.0	-1.4	-0.9	-0.4	-2.0	-2.6	-0.4	0.8	3.3	-1.4	-0.1

N/A: Data not available, Source: Eurostat

Figure 6.5. EU-27 - Labour productivity per hour worked, annual growth rate (%)

Code (NACE Rev. 2)	Sector	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average 2007-2012
B	MINING AND QUARRYING	-0.1	5.4	2.6	2.0	-3.1	1.0	3.7	-2.3	-5.6	2.2	-4.8	-5.7	-3.3
C	MANUFACTURING	1.3	1.6	2.9	3.9	3.2	4.9	4.1	-1.2	-6.3	8.0	3.0	-1.5	0.3
C10	Manufacture of food products	2.5	3.8	2.6	2.4	2.9	1.5	2.4	-0.7	1.6	1.9	0.8	0.0	0.7
C11	Manufacture of beverages	2.9	5.3	1.6	-2.8	3.9	8.0	2.4	-0.4	1.5	3.7	6.8	-1.4	2.0
C12	Manufacture of tobacco products	-3.6	0.2	5.0	-9.7	-1.8	4.3	4.1	-1.2	5.7	-1.9	-4.9	-3.3	-1.2
C13	Manufacture of textiles	1.6	1.1	4.3	2.5	-0.6	5.2	2.2	-4.8	-3.2	8.5	-1.8	-4.7	-1.3
C14	Manufacture of wearing apparel	-1.2	-9.4	-4.3	-2.0	-6.5	3.3	5.5	-0.7	1.5	7.8	-4.4	-2.8	0.2
C15	Manufacture of leather and related products	-3.8	-7.7	-5.1	-7.8	-5.1	-2.0	-1.1	-1.1	-2.4	2.7	1.4	-4.6	-0.8
C16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-0.9	1.9	4.2	4.4	2.4	4.6	1.0	-6.3	-1.5	2.8	2.4	-2.3	-1.0
C17	Manufacture of paper and paper products	-0.2	3.8	4.4	4.9	2.0	4.8	3.9	0.9	-1.0	6.6	-1.3	0.1	1.0
C18	Printing and reproduction of recorded media	-0.7	3.1	3.3	4.5	4.8	0.3	0.5	-0.2	-1.9	3.5	1.9	-1.6	0.3
C19	Manufacture of coke and refined petroleum products	1.0	4.9	3.5	5.0	0.7	2.9	0.0	-0.9	1.1	0.2	0.1	-2.9	-0.5
C20	Manufacture of chemicals and chemical products	0.5	4.2	2.7	5.5	5.4	4.4	4.6	-1.4	-7.4	12.0	0.5	-2.4	0.0
C21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	10.4	6.5	5.2	0.5	6.4	5.9	-0.5	0.6	4.8	5.8	1.7	-1.6	2.3
C22	Manufacture of rubber and plastic products	0.0	1.9	3.5	2.0	2.3	2.2	3.9	-4.2	-5.0	6.4	1.6	-3.7	-1.1
C23	Manufacture of other non-metallic mineral products	2.1	1.7	3.6	3.1	1.5	4.7	1.4	-4.1	-8.0	4.4	3.6	-5.1	-1.9
C24	Manufacture of basic metals	0.4	2.8	5.2	7.2	1.4	6.3	1.9	-2.8	-16.1	16.0	1.0	-3.1	-1.5
C25	Manufacture of fabricated metal products, except machinery and equipment	0.9	0.7	3.0	2.9	2.5	3.1	3.8	-5.7	-12.4	7.6	5.2	-3.7	-2.1
C26	Manufacture of computer, electronic and optical products	-6.0	-5.4	5.1	9.5	4.4	9.7	7.3	1.7	-5.7	9.9	5.2	-0.4	2.0
C27	Manufacture of electrical equipment	0.5	-1.3	2.3	3.9	2.9	5.8	2.6	-1.3	-8.8	7.7	1.0	-1.1	-0.6
C28	Manufacture of machinery and equipment n.e.c.	1.9	0.6	1.4	5.3	5.3	6.8	5.8	-0.3	-17.5	10.9	7.0	-0.2	-0.5
C29	Manufacture of motor vehicles, trailers and semi-trailers	1.2	2.5	2.6	4.1	1.7	3.9	5.3	-4.6	-12.7	16.8	7.3	-2.9	0.3
C30	Manufacture of other transport equipment	2.7	-1.6	2.4	2.8	2.4	6.7	3.8	2.5	-3.9	3.3	4.6	0.7	1.4
C31	Manufacture of furniture	-3.0	-0.5	0.8	0.8	4.6	3.0	3.0	-2.2	-5.4	4.8	2.8	-2.9	-0.7
C32	Other manufacturing	3.4	6.4	0.3	0.9	3.8	6.2	1.0	-1.8	-1.3	8.0	0.7	-1.5	0.7
C33	Repair and installation of machinery and equipment	1.9	-1.1	1.4	7.4	1.1	6.9	3.9	2.1	-10.3	6.2	4.6	-2.1	-0.1
D	ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	3.8	6.1	8.0	4.3	2.3	2.4	0.3	0.0	-3.6	4.6	-5.2	3.1	-0.3
E	WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	CONSTRUCTION	0.5	2.0	1.0	-0.3	-4.1	0.5	0.0	-1.6	2.0	2.7	1.0	-3.6	0.1

N/A: Data not available, Source: Eurostat.

Figure 6.6. EU-27 - Unit labour cost, annual growth rate (%)

Code (NACE Rev. 2)	Sector	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average 2007-2012
B	MINING AND QUARRYING	7.1	-0.7	6.4	4.2	-0.4	7.4	4.8	10.7	11.7	1.6	10.2	9.1	8.6
C	MANUFACTURING	3.0	1.7	0.3	-1.2	-0.5	-2.2	-0.1	6.0	10.6	-6.4	-0.6	4.5	2.7
C10	Manufacture of food products	2.1	0.9	2.1	-0.7	-0.7	0.4	1.4	4.9	1.2	-0.2	0.5	2.3	1.7
C11	Manufacture of beverages	1.3	-1.1	2.8	3.5	-1.2	-3.8	1.0	4.5	2.2	-0.7	-4.0	3.1	1.0
C12	Manufacture of tobacco products	5.2	2.2	5.8	19.1	6.8	2.2	-1.7	9.2	-3.1	0.9	1.3	4.2	2.4
C13	Manufacture of textiles	2.0	3.0	0.5	0.8	2.9	-2.3	0.4	9.6	6.3	-8.7	2.2	5.2	2.7
C14	Manufacture of wearing apparel	1.6	10.8	4.1	2.1	5.4	-0.9	2.1	8.2	4.9	-3.9	4.7	4.4	3.6
C15	Manufacture of leather and related products	9.8	8.2	4.1	8.1	5.7	5.8	9.2	10.9	5.5	-0.2	0.6	8.6	5.0
C16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	5.2	-1.4	-1.9	-0.6	0.7	-0.3	5.0	12.0	5.5	-3.9	-0.4	1.6	2.8
C17	Manufacture of paper and paper products	4.9	-2.5	-1.5	-1.5	0.7	-3.5	-1.3	3.6	3.8	-5.0	2.2	1.7	1.2
C18	Printing and reproduction of recorded media	4.8	0.3	-1.6	-1.5	-2.3	-0.5	0.4	4.2	2.4	-4.6	-2.5	3.0	0.4
C19	Manufacture of coke and refined petroleum products	1.7	4.8	-4.4	-0.5	2.2	3.8	2.2	5.1	6.4	3.5	3.2	4.0	4.4
C20	Manufacture of chemicals and chemical products	3.8	-1.1	1.7	-3.4	-0.9	-3.5	0.0	5.4	11.2	-9.1	4.5	3.7	2.9
C21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	-6.1	-2.6	-0.1	1.6	-2.6	-2.7	5.7	-0.1	-2.5	-3.6	0.2	4.1	-0.4
C22	Manufacture of rubber and plastic products	3.3	1.3	-0.1	0.6	0.1	-2.3	-0.6	7.7	8.3	-4.8	0.9	5.9	3.5
C23	Manufacture of other non-metallic mineral products	2.0	2.7	0.4	-0.8	0.5	-1.7	2.8	9.2	13.1	-3.0	-2.6	7.3	4.6
C24	Manufacture of basic metals	-2.6	-0.8	-0.2	-3.6	3.1	-3.0	2.9	7.2	23.7	-13.8	1.4	6.4	4.3
C25	Manufacture of fabricated metal products, except machinery and equipment	4.2	1.8	-0.2	0.0	0.1	-0.9	0.9	10.5	16.1	-6.5	-2.6	5.9	4.3
C26	Manufacture of computer, electronic and optical products	12.9	7.9	-4.7	-6.4	-2.6	-7.6	-4.1	1.7	11.3	-8.1	-2.7	4.4	1.1
C27	Manufacture of electrical equipment	3.4	3.3	-0.5	-0.5	-0.4	-4.2	1.2	5.8	12.6	-8.4	2.3	4.5	3.1
C28	Manufacture of machinery and equipment n.e.c.	3.1	2.5	1.7	-1.9	-2.5	-3.7	-1.5	4.3	27.9	-8.9	-3.6	3.9	4.0
C29	Manufacture of motor vehicles, trailers and semi-trailers	1.7	1.0	0.9	-2.1	0.2	-0.1	-5.2	9.2	17.6	-15.5	-3.5	7.3	2.4
C30	Manufacture of other transport equipment	3.4	7.7	1.5	-1.2	1.0	-4.1	0.1	2.4	8.1	2.1	-1.2	3.8	3.0
C31	Manufacture of furniture	6.0	4.7	-0.7	-0.9	-0.7	-0.8	0.3	7.4	10.5	-3.6	-2.5	4.4	3.1
C32	Other manufacturing	1.0	-1.2	3.3	1.1	-1.3	-3.0	4.2	3.7	4.4	-5.5	0.6	2.9	1.2
C33	Repair and installation of machinery and equipment	4.6	5.2	1.9	-2.7	1.6	-4.5	-0.2	3.8	14.0	-5.7	-3.9	4.1	2.2
D	ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	0.6	1.6	-1.7	-1.4	0.0	4.0	4.9	4.5	8.4	-1.7	6.1	1.5	3.7
E	WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	CONSTRUCTION	7.2	5.8	2.6	3.5	9.3	3.0	6.5	6.7	0.4	-1.3	1.0	4.4	2.2

N/A: Data not available, Source: Eurostat

Figure 6.7. EU-27 - Revealed comparative advantage index

Code (NACE Rev. 2)	Sector	2007	2008	2009	2010	2011
C10	Manufacture of food products	1.20	1.12	1.10	1.09	1.06
C11	Manufacture of beverages	1.61	1.59	1.61	1.70	1.72
C12	Manufacture of tobacco products	1.52	1.56	1.61	1.67	1.72
C13	Manufacture of textiles	0.81	0.76	0.69	0.67	0.66
C14	Manufacture of wearing apparel	0.76	0.76	0.76	0.74	0.75
C15	Manufacture of leather and related products	0.96	0.91	0.91	0.87	0.91
C16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	1.15	1.18	1.18	1.16	1.15
C17	Manufacture of paper and paper products	1.28	1.30	1.35	1.35	1.34
C18	Printing and reproduction of recorded media	1.20	1.62	1.79	1.88	1.87
C19	Manufacture of coke and refined petroleum products	0.84	0.84	0.77	0.79	0.78
C20	Manufacture of chemicals and chemical products	1.13	1.13	1.16	1.16	1.13
C21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	1.47	1.53	1.54	1.65	1.62
C22	Manufacture of rubber and plastic products	1.18	1.21	1.18	1.19	1.19
C23	Manufacture of other non-metallic mineral products	1.22	1.19	1.18	1.15	1.13
C24	Manufacture of basic metals	0.92	0.88	0.82	0.85	0.86
C25	Manufacture of fabricated metal products, except machinery and equipment	1.18	1.19	1.16	1.20	1.20
C26	Manufacture of computer, electronic and optical products	0.60	0.60	0.57	0.57	0.58
C27	Manufacture of electrical equipment	0.98	0.99	0.98	0.97	0.99
C28	Manufacture of machinery and equipment n.e.c.	1.14	1.18	1.18	1.17	1.18
C29	Manufacture of motor vehicles, trailers and semi-trailers	1.22	1.22	1.30	1.28	1.32
C30	Manufacture of other transport equipment	0.85	0.88	1.15	1.21	1.15
C31	Manufacture of furniture	1.27	1.24	1.20	1.13	1.15
C32	Other manufacturing	0.80	0.78	0.75	0.77	0.72

Note: there was a transition from NACE REV 1 to NACE REV 2, therefore the data are only available from 2007

Source: own calculations using Comtrade data

Figure 6.8. EU-27 - Relative trade balance (X-M)/(X+M)

Code (NACE Rev. 2)	Sector	2007	2008	2009	2010	2011
C10	Manufacture of food products	-0.03	-0.03	-0.02	-0.01	-0.01
C11	Manufacture of beverages	0.21	0.20	0.20	0.22	0.24
C12	Manufacture of tobacco products	0.03	0.06	0.06	0.05	0.08
C13	Manufacture of textiles	0.00	-0.01	-0.02	-0.02	-0.03
C14	Manufacture of wearing apparel	-0.19	-0.19	-0.21	-0.22	-0.21
C15	Manufacture of leather and related products	-0.07	-0.07	-0.08	-0.08	-0.06
C16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	0.00	0.02	0.04	0.03	0.04
C17	Manufacture of paper and paper products	0.04	0.04	0.06	0.06	0.06
C18	Printing and reproduction of recorded media	0.08	0.05	0.04	0.08	0.09
C19	Manufacture of coke and refined petroleum products	-0.03	-0.01	-0.05	-0.05	-0.05
C20	Manufacture of chemicals and chemical products	0.03	0.03	0.06	0.04	0.03
C21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	0.07	0.08	0.08	0.10	0.10
C22	Manufacture of rubber and plastic products	0.04	0.04	0.04	0.05	0.05
C23	Manufacture of other non-metallic mineral products	0.08	0.08	0.09	0.08	0.08
C24	Manufacture of basic metals	-0.06	-0.03	0.01	-0.01	0.00
C25	Manufacture of fabricated metal products, except machinery and equipment	0.09	0.09	0.10	0.10	0.10
C26	Manufacture of computer, electronic and optical products	-0.11	-0.11	-0.11	-0.13	-0.10
C27	Manufacture of electrical equipment	0.07	0.08	0.08	0.07	0.07
C28	Manufacture of machinery and equipment n.e.c.	0.16	0.17	0.20	0.19	0.19
C29	Manufacture of motor vehicles, trailers and semi-trailers	0.06	0.08	0.08	0.12	0.13
C30	Manufacture of other transport equipment	0.13	0.11	0.11	0.10	0.14
C31	Manufacture of furniture	0.04	0.04	0.03	0.02	0.05
C32	Other manufacturing	-0.04	-0.04	-0.04	-0.02	-0.02

Note: there was a transition from NACE REV 1 to NACE REV 2, therefore the data are only available from 2007

Source: own calculations using Comtrade data

Figure 6.9.1. Revealed comparative advantage index in manufacturing industries in 2011 - EU countries, Japan and Brazil, China, India and Russia.

	Food	Bevarages	Tobacco	Textiles	Clothing	Leather & footwear	Wood & wood products	Paper	Printing	Refined petroleum	Chemicals	Pharma-ceuticals	Rubber & plastics	Non-metallic mineral products	Basic metals	Metal products	Computers, electronic & optical	Electrical equipment	Machinery	Motor vehicles	Other transport	Furniture	Other manufacturing
	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32
Austria	0.87	2.24	0.28	0.68	0.55	0.70	4.49	2.19	1.30	0.24	0.47	1.52	1.30	1.36	1.34	2.16	0.43	1.35	1.40	1.34	0.70	1.19	0.71
Belgium	1.28	1.00	1.10	0.78	0.72	0.93	0.85	0.92	7.34	1.21	2.20	3.17	1.00	1.06	1.11	0.68	0.22	0.42	0.70	1.09	0.16	0.49	1.26
Bulgaria	1.31	0.81	4.94	1.14	2.87	1.18	1.63	0.76	0.22	1.55	0.55	0.90	0.92	2.20	2.83	0.86	0.27	1.11	0.93	0.36	0.24	1.31	0.35
Cyprus	2.16	1.22	27.96	0.13	0.32	0.82	0.20	0.34	0.00	0.00	0.97	7.44	0.30	0.34	0.78	0.68	0.72	0.71	0.41	0.27	1.15	0.47	1.20
Czech Rep.	0.44	0.57	1.57	0.88	0.31	0.46	1.42	0.94	1.74	0.20	0.53	0.32	1.67	1.63	0.64	2.14	1.11	1.66	1.16	2.00	0.39	1.52	0.73
Denmark	3.05	1.29	1.34	0.68	1.75	0.77	1.00	0.69	0.84	0.67	0.64	1.65	1.09	0.97	0.34	1.69	0.56	0.95	1.56	0.34	0.79	2.51	0.84
Estonia	1.00	2.10	0.20	1.17	1.04	0.86	7.71	0.83	0.73	2.33	0.64	0.10	1.29	1.38	0.49	1.79	0.95	1.40	0.75	0.61	0.24	2.74	0.53
Finland	0.35	0.49	0.04	0.26	0.19	0.25	5.28	9.87	0.74	1.60	0.85	0.62	0.92	0.77	1.66	1.04	0.47	1.32	1.46	0.27	0.37	0.23	0.46
France	1.18	4.63	0.59	0.54	0.70	1.18	0.63	1.03	1.80	0.51	1.30	1.70	1.10	0.99	0.75	0.90	0.48	0.88	0.87	1.15	3.97	0.52	0.76
Germany	0.74	0.65	2.05	0.53	0.50	0.39	0.81	1.20	2.49	0.21	1.00	1.34	1.29	1.02	0.76	1.31	0.58	1.22	1.60	1.91	1.30	0.85	0.57
Greece	2.16	1.52	4.89	1.08	1.47	0.55	0.55	0.58	1.14	4.56	0.71	1.26	0.98	1.33	1.93	0.84	0.22	0.65	0.29	0.09	0.50	0.31	0.32
Hungary	0.85	0.40	0.62	0.35	0.27	0.50	0.74	0.88	0.08	0.42	0.58	1.11	1.44	1.18	0.33	0.80	1.68	1.89	0.86	1.78	0.17	1.00	0.27
Ireland	1.44	1.76	0.53	0.10	0.15	0.09	0.41	0.11	0.00	0.23	2.85	9.43	0.32	0.22	0.08	0.28	0.65	0.24	0.31	0.03	0.41	0.09	1.49
Italy	0.87	2.30	0.03	1.35	1.58	3.09	0.53	1.03	0.98	0.70	0.70	1.10	1.35	1.90	1.09	1.68	0.23	1.05	1.82	0.73	0.75	2.38	0.95
Latvia	1.48	6.43	1.67	0.99	1.07	0.32	19.91	0.95	1.92	0.96	0.55	1.17	0.98	2.04	1.26	1.55	0.50	0.63	0.48	0.73	0.32	2.31	0.40
Lithuania	1.64	1.58	7.16	0.94	1.22	0.34	3.42	1.08	0.23	4.21	1.32	0.39	1.05	0.86	0.20	0.98	0.24	0.51	0.56	0.78	0.21	5.67	0.40
Luxembourg	0.89	1.02	6.08	2.17	0.32	0.45	2.24	1.79	0.01	0.01	0.49	0.15	4.16	2.51	3.86	1.20	0.28	0.74	0.74	0.63	1.09	0.12	0.21
Malta	0.53	0.31	0.69	1.05	0.10	0.12	0.01	0.02	0.93	4.67	0.13	2.04	1.12	0.33	0.05	0.23	1.87	0.92	0.24	0.03	1.64	0.08	1.78
Netherlands	1.94	1.29	5.35	0.45	0.61	0.66	0.31	0.86	0.29	2.02	1.62	0.95	0.79	0.49	0.61	0.79	1.05	0.54	1.07	0.39	0.32	0.40	0.80
Poland	1.46	0.45	4.79	0.60	0.71	0.41	2.33	1.66	0.54	0.59	0.76	0.32	1.85	1.61	0.92	1.79	0.60	1.35	0.57	1.64	1.29	5.03	0.27
Portugal	1.12	3.70	4.25	1.86	2.15	3.08	4.15	3.22	0.77	0.60	0.76	0.46	1.85	3.19	0.69	1.77	0.32	1.01	0.43	1.46	0.19	2.80	0.28
Romania	0.49	0.28	5.73	1.04	2.18	2.40	4.18	0.31	1.90	0.85	0.53	0.47	1.61	0.54	0.98	1.12	0.61	1.48	0.77	1.82	0.91	3.61	0.23
Slovakia	0.50	0.47	0.00	0.35	0.57	1.38	1.19	1.07	0.40	0.82	0.45	0.17	1.53	1.09	1.05	1.56	1.22	1.01	0.74	2.49	0.17	1.52	0.27
Slovenia	0.51	0.59	0.00	0.80	0.37	0.61	2.93	1.87	0.27	0.45	0.86	2.54	1.84	1.59	1.02	2.07	0.22	2.28	0.95	1.46	0.19	2.78	0.46
Spain	1.55	2.27	0.46	0.76	1.21	1.19	0.82	1.43	0.51	0.79	1.09	1.28	1.26	2.10	1.06	1.25	0.17	0.95	0.65	2.17	1.15	0.73	0.36
Sweden	0.49	0.84	0.28	0.29	0.36	0.21	3.54	5.49	0.22	1.06	0.67	1.37	0.85	0.60	1.11	1.11	0.82	1.01	1.25	1.34	0.31	1.55	0.43
United Kingdom	0.67	3.99	0.60	0.50	0.63	0.48	0.18	0.66	1.88	1.27	1.17	2.51	0.92	0.72	0.80	0.73	0.65	0.72	1.11	1.30	1.61	0.42	1.01
EU-27	1.06	1.72	1.72	0.66	0.75	0.91	1.15	1.34	1.87	0.78	1.13	1.62	1.19	1.13	0.86	1.20	0.58	0.99	1.18	1.32	1.15	1.15	0.72
USA	0.88	0.76	0.24	0.52	0.15	0.20	0.61	1.19	0.56	1.29	1.41	0.99	0.97	0.73	0.72	0.89	1.00	0.86	1.36	1.04	0.41	0.48	1.52
Japan	0.07	0.06	0.08	0.43	0.02	0.02	0.02	0.26	0.18	0.32	0.94	0.17	1.09	1.04	1.11	0.73	1.08	1.09	2.09	2.01	1.35	0.14	0.45
Brazil	5.17	0.11	0.47	0.37	0.04	1.74	1.73	2.99	0.34	0.38	0.94	0.39	0.72	0.98	1.75	0.73	0.10	0.43	0.82	1.04	1.42	0.52	0.17
China	0.37	0.09	0.15	2.54	2.72	2.52	0.93	0.43	0.23	0.21	0.53	0.23	1.00	1.53	0.53	1.34	1.88	1.47	0.74	0.28	0.86	2.12	1.29
India	1.35	0.10	0.47	2.82	1.94	1.18	0.11	0.23	0.74	3.07	0.93	1.02	0.61	0.74	0.77	0.94	0.19	0.38	0.39	0.32	1.23	0.32	5.37
Russia	0.49	0.22	1.07	0.05	0.02	0.11	3.45	0.99	0.15	7.83	1.50	0.05	0.22	0.35	2.61	0.27	0.10	0.17	0.13	0.10	0.46	0.12	0.03

Source: Own calculations using COMTRADE data

Table 6.9.2. Relative trade balance (X-M)/(X+M) in manufacturing industries in 2011 - EU countries, Japan and Brazil, China, India and Russia.

	Food	Bevarages	Tobacco	Textiles	Clothing	Leather & footwear	Wood & wood products	Paper	Printing	Refined petroleum	Chemicals	Pharma- ceuticals	Rubber & plastics	Non- metallic mineral products	Basic metals	Metal products	Computers, electronic & optical	Electrical equipment	Machinery	Motor vehicles	Other transport	Furniture	Other manufacturing
	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32
Austria	-0.06	0.53	-0.71	-0.03	-0.42	-0.20	0.42	0.23	-0.37	-0.55	-0.27	0.03	-0.04	-0.01	0.03	0.11	-0.09	0.11	0.06	0.02	0.15	-0.21	-0.10
Belgium	0.12	-0.02	0.08	0.23	-0.01	0.22	-0.01	-0.05	0.04	0.02	0.13	0.13	0.04	0.11	0.18	-0.04	-0.19	-0.06	0.05	-0.04	-0.12	-0.21	0.03
Bulgaria	-0.12	-0.19	0.49	-0.43	0.56	0.09	0.25	-0.34	-0.75	0.07	-0.34	-0.21	-0.23	0.21	0.40	-0.14	-0.38	-0.01	-0.04	-0.27	-0.23	0.27	-0.16
Cyprus	-0.67	-0.87	-0.32	-0.92	-0.93	-0.82	-0.96	-0.92	-1.00	-1.00	-0.62	0.03	-0.91	-0.95	-0.55	-0.80	-0.54	-0.78	-0.77	-0.89	-0.52	-0.93	-0.61
Czech Rep.	-0.20	0.02	0.32	0.09	-0.20	-0.17	0.34	-0.06	0.01	-0.22	-0.20	-0.39	0.01	0.21	-0.20	0.18	-0.04	0.15	0.16	0.34	0.34	0.28	0.18
Denmark	0.25	-0.16	0.29	-0.03	-0.02	-0.20	-0.37	-0.36	-0.24	-0.22	-0.09	0.21	-0.08	-0.12	-0.34	0.13	-0.12	-0.06	0.26	-0.38	0.06	0.21	-0.04
Estonia	-0.04	-0.25	-0.73	0.06	0.12	0.05	0.44	-0.13	-0.55	-0.11	-0.19	-0.72	-0.11	0.04	-0.28	0.21	0.01	0.04	-0.07	-0.10	-0.32	0.61	0.04
Finland	-0.44	-0.39	-0.95	-0.37	-0.67	-0.43	0.56	0.80	-0.54	0.21	-0.05	-0.18	0.01	-0.12	0.32	0.03	-0.18	0.12	0.20	-0.50	0.08	-0.61	-0.10
France	-0.05	0.62	-0.60	-0.15	-0.38	-0.10	-0.34	-0.19	0.20	-0.37	0.02	0.04	-0.12	-0.17	-0.08	-0.15	-0.20	-0.06	-0.05	-0.06	0.25	-0.51	-0.16
Germany	0.05	-0.06	0.51	0.02	-0.32	-0.27	0.06	0.14	0.40	-0.38	0.12	0.13	0.20	0.18	0.00	0.23	-0.02	0.21	0.39	0.39	0.07	-0.08	0.05
Greece	-0.31	-0.24	0.08	-0.15	-0.31	-0.65	-0.50	-0.68	-0.49	0.25	-0.50	-0.57	-0.25	-0.24	0.17	-0.24	-0.62	-0.35	-0.52	-0.79	-0.69	-0.73	-0.63
Hungary	0.15	0.04	-0.14	-0.18	-0.06	-0.09	0.12	-0.04	-0.83	0.04	-0.09	0.04	0.05	0.15	-0.31	-0.14	0.14	0.15	-0.07	0.41	0.18	0.42	0.05
Ireland	0.28	0.22	0.05	-0.32	-0.61	-0.59	0.06	-0.69	-0.95	-0.49	0.67	0.76	-0.23	-0.29	-0.26	-0.05	0.28	-0.10	0.15	-0.75	-0.46	-0.55	0.55
Italy	-0.13	0.62	-0.98	0.17	0.12	0.27	-0.41	-0.05	-0.04	0.24	-0.22	-0.12	0.24	0.42	-0.06	0.42	-0.41	0.20	0.47	-0.12	0.22	0.64	0.14
Latvia	-0.23	0.31	-0.30	-0.11	-0.07	-0.48	0.79	-0.37	-0.45	-0.50	-0.32	-0.19	-0.30	0.02	-0.04	-0.04	-0.13	-0.24	-0.40	-0.22	-0.30	0.33	-0.35
Lithuania	0.11	-0.15	0.54	-0.11	0.26	-0.22	0.26	-0.15	-0.70	0.75	0.04	-0.39	0.01	-0.15	-0.42	0.05	-0.23	-0.08	-0.12	-0.10	-0.35	0.82	0.04
Luxembourg	-0.29	-0.54	-0.06	0.61	-0.53	-0.32	0.14	-0.07	-0.98	-0.99	-0.46	-0.68	0.27	0.04	0.32	-0.15	-0.31	-0.12	-0.01	-0.48	-0.50	-0.89	-0.47
Malta	-0.60	-0.77	-0.63	0.41	-0.80	-0.73	-0.98	-0.98	-0.54	-0.39	-0.79	0.26	-0.07	-0.72	-0.78	-0.63	0.10	-0.01	-0.46	-0.88	-0.48	-0.91	0.43
Netherlands	0.24	0.15	0.62	0.07	-0.12	-0.05	-0.51	-0.05	-0.30	0.12	0.21	0.08	-0.01	-0.17	-0.03	0.03	0.03	-0.04	0.23	-0.15	0.11	-0.31	0.01
Poland	0.17	-0.09	0.78	-0.30	-0.06	-0.32	0.39	-0.03	-0.30	0.07	-0.24	-0.47	0.07	0.15	-0.05	0.10	-0.16	0.12	-0.24	0.25	0.23	0.75	-0.24
Portugal	-0.35	0.43	0.47	0.06	0.15	0.22	0.39	0.27	-0.11	-0.20	-0.34	-0.54	0.12	0.38	-0.19	0.18	-0.32	-0.04	-0.27	-0.05	-0.15	0.30	-0.48
Romania	-0.40	-0.45	0.68	-0.47	0.53	0.08	0.59	-0.64	-0.14	0.09	-0.38	-0.52	-0.18	-0.47	-0.09	-0.28	-0.19	-0.11	-0.25	0.25	0.57	0.63	-0.27
Slovakia	-0.10	-0.11	-1.00	-0.16	0.02	0.23	0.28	0.16	-0.05	0.40	-0.08	-0.53	0.16	0.11	0.23	0.06	0.12	0.03	0.08	0.32	0.10	0.26	0.01
Slovenia	-0.35	-0.14	-1.00	0.03	-0.36	-0.34	0.17	0.09	-0.63	-0.61	-0.17	0.41	0.15	0.03	-0.12	0.20	-0.24	0.33	0.12	0.05	-0.01	0.33	-0.07
Spain	0.03	0.25	-0.75	-0.05	-0.28	-0.11	-0.02	0.02	-0.42	-0.22	-0.11	-0.11	0.04	0.37	0.13	0.11	-0.57	0.01	-0.07	0.16	0.38	-0.22	-0.38
Sweden	-0.32	-0.13	-0.40	-0.25	-0.41	-0.47	0.51	0.71	-0.62	0.15	-0.13	0.32	-0.07	-0.23	0.13	0.09	-0.01	0.02	0.14	0.11	-0.09	0.09	-0.09
United Kingdom	-0.44	0.14	-0.47	-0.31	-0.57	-0.55	-0.81	-0.47	0.44	0.09	-0.06	0.13	-0.21	-0.27	-0.08	-0.24	-0.24	-0.21	0.01	-0.14	0.16	-0.63	-0.16
EU-27	-0.01	0.24	0.08	-0.03	-0.21	-0.06	0.04	0.06	0.09	-0.05	0.03	0.10	0.05	0.08	0.00	0.10	-0.10	0.07	0.19	0.13	0.14	0.05	-0.02
USA	-0.04	-0.48	-0.18	-0.33	-0.88	-0.82	-0.39	0.04	0.48	0.00	0.13	-0.26	-0.17	-0.25	-0.20	-0.15	-0.26	-0.25	-0.03	-0.30	-0.46	-0.69	-0.19
Japan	-0.87	-0.83	-0.96	-0.18	-0.97	-0.95	-0.98	-0.29	0.38	-0.46	0.15	-0.64	0.35	0.28	0.30	0.18	0.12	0.30	0.63	0.76	0.60	-0.66	-0.26
Brazil	0.78	-0.81	0.91	-0.51	-0.81	0.54	0.82	0.54	-0.29	-0.69	-0.46	-0.59	-0.29	-0.08	0.33	-0.22	-0.85	-0.45	-0.38	-0.22	0.02	0.30	-0.53
China	0.07	-0.43	0.66	0.72	0.95	0.81	0.26	-0.12	0.40	-0.20	-0.22	0.14	0.42	0.61	-0.03	0.62	0.24	0.35	-0.02	-0.15	0.41	0.91	0.73
India	0.32	-0.15	0.83	0.65	0.95	0.65	-0.47	-0.54	-0.31	0.56	-0.30	0.51	0.14	0.03	-0.65	0.15	-0.61	-0.29	-0.44	0.15	0.24	0.03	0.38
Russia	-0.61	-0.81	0.31	-0.89	-0.97	-0.89	0.61	-0.20	-0.89	0.91	0.15	-0.95	-0.75	-0.65	0.49	-0.73	-0.82	-0.82	-0.88	-0.91	-0.51	-0.83	-0.92

Source: Own calculations using COMTRADE data

Figure 6.10. Revealed comparative advantage index in service industries in 2011 - EU countries, US, Japan, Brazil, China, India and Russia.

Country name	Telecom., computer and information	Construction	Finance	Insurance and pension	Other business services	Personal, cultural and recreational	Transport	Travel
Austria	0.56	0.52	0.41	0.81	1.10	0.43	1.17	1.25
Belgium	0.86	1.17	0.70	0.65	1.62	0.69	1.29	0.45
Bulgaria	0.89	0.42	0.20	0.98	0.52	0.74	0.97	2.00
Cyprus	0.13	0.27	2.20	0.28	1.14	0.49	1.23	1.22
Czech Republic	0.90	1.44	0.07	0.64	1.23	0.89	1.08	1.21
Denmark	0.36	0.21	0.21	0.21	0.88	0.72	2.78	0.37
Estonia	0.76	2.28	0.27	0.07	0.78	0.29	1.73	0.81
Finland	2.51	1.17	0.50	0.10	0.78	0.30	0.65	0.54
France	0.47	1.81	0.59	1.32	1.23	1.67	1.00	0.97
Germany	0.78	1.85	1.04	1.17	1.19	0.33	1.08	0.53
Greece	0.23	1.28	0.08	0.72	0.26	0.46	2.26	1.38
Hungary	0.66	0.76	0.16	0.08	1.08	5.64	0.96	0.92
Ireland	4.06	0.00	1.67	5.63	0.93	0.00	0.26	0.16
Italy	0.79	0.05	0.47	1.16	1.29	0.25	0.67	1.52
Latvia	0.53	0.75	1.29	0.28	0.71	0.40	2.26	0.62
Lithuania	0.26	0.87	0.17	-0.01	0.34	0.32	2.56	0.90
Luxembourg	0.45	0.22	11.17	2.30	0.69	3.34	0.24	0.25
Malta	0.28	0.00	1.02	0.35	0.49	35.88	0.39	0.95
Netherlands	1.07	1.01	0.26	0.34	1.66	0.62	1.28	0.50
Poland	0.68	1.70	0.24	0.57	1.28	1.18	1.35	1.06
Portugal	0.43	1.23	0.23	0.30	0.68	1.10	1.30	1.65
Romania	1.35	1.53	0.30	0.56	1.00	0.86	1.20	0.44
Slovak Republic	0.92	1.49	0.10	0.20	0.75	1.09	1.48	1.37
Slovenia	0.74	1.34	0.13	0.88	0.70	0.91	1.29	1.55
Spain	0.61	1.23	0.69	0.51	1.14	1.28	0.77	1.56
Sweden	1.51	0.54	0.44	0.72	1.39	0.75	0.81	0.78
United Kingdom	0.76	0.35	4.16	3.16	1.52	1.14	0.58	0.45
EU27	1.11	0.75	1.28	1.19	1.13	1.10	1.06	0.88
United States	0.44	0.20	2.34	1.33	0.76	0.40	0.61	0.92
Japan	0.13	3.20	0.57	0.62	1.29	0.10	1.29	0.30
Brazil	0.13	0.02	1.33	0.69	2.50	0.12	0.71	0.64
China	0.71	3.19	0.09	0.85	1.23	0.06	0.89	0.98
India	4.33	0.24	0.87	0.98	0.77	4.52	0.59	0.48
Russian Federation	0.51	3.04	0.36	0.30	1.23	0.72	1.38	0.73

Source: Own calculations based on IMF and OECD data