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wiiw Industrial Database

Objectives and purpose: The database was set up to assist wiiw researchers in their analysis of industrial restructuring and changing patterns of specialisation of the Central, East and Southeast European countries, based on wiiw's longstanding expertise in the field. It allows for a comparison of key economic variables across countries and individual industries over time. The classification system used is consistent with that of the European Union, i.e., the data of all countries inside and outside of the EU (Croatia, Russia and Ukraine) are comparable among each other.

Because of the fairly disaggregated level, extensive comparability, the long time span and the wide range of indicators covered, this database is a unique and easily accessible source of information for companies, financial investors, researchers and politicians interested in the region.

Content and coverage: The database contains about 14.500 annual time series on industry in 13 countries of Central, East and Southeast Europe, including Russia and Ukraine.

Countries covered			
Bulgaria	Hungary	Poland	Slovakia
Croatia	Latvia	Romania	Slovenia
Czech Republic	Lithuania	Russia	Ukraine
Estonia			

Most data relate to the period 1989-2008 (only Ukraine provide data until 2009). The data are arranged according to **NACE Rev. 1¹** sections of industry (C, D, E) and either to 14 or 23 subsections of manufacturing industry (see below).

Indicators
• Industrial production, national currency million (at current and constant prices)
• Production structure, manufacturing = 100 (at current and constant prices)
• Production, real annual changes in % (at constant prices)
• Employees (persons; structure, manufacturing = 100; annual changes in %)
• Average gross monthly wages (national currency; EUR; USD; manufacturing = 100; real annual changes deflated with CPI)
• Labour productivity, based on national currency (manufacturing = 100; annual changes in %)
• Unit Labour Costs, based on national currency (manufacturing = 100; annual changes in %)
• Unit Labour Costs, based on EUR / USD (annual changes in %)
• Unit Labour Costs, based on PPP (Austria = 100)
• Exports and imports, EUR million (to/from EU-15, EU-25, EU-27 and the world)
• Trade balance, EUR million (with EU-15, EU-25, EU-27 and the world)

¹ NACE Rev. 1: Nomenclature générale des Activités économiques dans les Communautés Européennes (Statistical Classification of economic activities in the European Communities).

ISIC : International Standard Industrial Classification. At the 2-digit numeric level NACE Rev. 1 and ISIC Rev. 3 are identical.

Information is presented by country and by industry. Twenty-nine economic indicators are covered, focusing on production, employment, wages, productivity and foreign trade.

Availability by NACE Rev. 1 industries:		
	14 industries (DA-DN)	23 industries (15-37)
Bulgaria	X	
Croatia	X	X
Czech Republic	X	
Estonia	X	X
Hungary	X	X
Latvia	X	X
Lithuania	X	X
Poland	X	X
Romania	X	X
Russia	X	
Slovakia	X	X
Slovenia	X	X
Ukraine	X	

Sources of information: National statistical sources (quoted in detail in notes to the respective tables). Particular attention is paid to the comparability and consistency of data across countries and over time. Published data may be supplemented by additional information obtained from the national statistical offices and adjusted accordingly. Inevitable differences are stated in notes attached to the tables.

Foreign trade data are extracted from the EUROSTAT / Comext Database (exports and imports to / from the EU-15, the EU-25, the EU-27 and the world) and refer to the period 1999-2008. Several 'derived' indicators such as growth rates, productivity, unit labour costs, trade balances etc. are calculated by wiiw statisticians.

Updating and maintenance: The database was updated and revised in June 2010. Revisions may go back several periods. In this issue time series refer to NACE Rev. 1 exclusively, thus data for NMS mostly end in 2008. In 2009 NACE Rev. 2 was introduced, but the respective data are not included.

Please note: Slovenia introduced the euro on 1 January 2007, Slovakia on 1 January 2009. A fixed conversion factor for the period backward for all nominal and real time series as well as exchange rates and PPP rates have been applied (239.64 SIT per EUR and 30.126 SKK per EUR).

Availability: The wiiw Industrial Database is available online from wiiw website (Excel tables) - <http://data.wiiw.ac.at/>.

Price: The wiiw Industrial Database is available for free.

Technical notes: The database consists of two data sets: *Data by countries* and *Data by NACE Rev. 1 code*. In each of this directory you find user friendly compiled MS Excel files providing the data and footnotes by indicators.

NACE Rev. 1 sections and subsections (14 industries)

- CDE Total industry
- C Mining and quarrying
- D Manufacturing total
 - DA Food products; beverages and tobacco
 - DB Textiles and textile products
 - DC Leather and leather products
 - DD Wood and wood products
 - DE Pulp, paper & paper products; publishing & printing
 - DF Coke, refined petroleum products & nuclear fuel
 - DG Chemicals, chemical products and man-made fibres
 - DH Rubber and plastic products
 - DI Other non-metallic mineral products
 - DJ Basic metals and fabricated metal products
 - DK Machinery and equipment n.e.c.
 - DL Electrical and optical equipment
 - DM Transport equipment
 - DN Manufacturing n.e.c.
- E Electricity, gas, steam and water supply

NACE Rev. 1 divisions, identical to 2-digit level of ISIC rev. 3 code (23 industries)

- D Manufacturing total
 - 15 Food products and beverages
 - 16 Tobacco products
 - 17 Textiles
 - 18 Wearing apparel; dressing and dyeing of fur
 - 19 Tanning and dressing of leather; related articles
 - 20 Wood and products of wood and cork
 - 21 Pulp, paper and paper products
 - 22 Publishing, printing and reproduction of recorded media
 - 23 Coke, refined petroleum products, nuclear fuel
 - 24 Chemicals and chemical products
 - 25 Rubber and plastic products
 - 26 Other non-metallic mineral products
 - 27 Basic metals
 - 28 Fabricated metal products, except machinery and equipment
 - 29 Machinery and equipment
 - 30 Office, accounting and computing machinery
 - 31 Electrical machinery and apparatus
 - 32 Radio, TV & communication equipment and apparatus
 - 33 Medical, precision, optical instruments, watches and clocks
 - 34 Motor vehicles, trailers and semi-trailers
 - 35 Other transport equipment
 - 36 Furniture; manufacturing n.e.c.
 - 37 Recycling

Sample Table 1

POLAND: Annual changes in labour productivity across industries in %

NACE Rev. 1 (23 industries)	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
CDE - Total industry	8.8	13.1	6.5	9.1	11.6	5.2	11.5	13.3	5.4	6.8	9.6	11.6	3.6	9.2	6.2	1.1
C - Mining and quarrying	4.4	12.1	4.2	7.7	6.9	-6.2	11.8	10.3	2.1	2.7	2.1	4.4	3.5	0.7	2.6	2.1
D - Manufacturing	13.1	14.0	7.0	10.0	12.7	6.1	11.1	13.6	4.7	7.5	10.9	12.7	3.2	10.0	6.3	1.2
15 - Food products and beverages	7.3	15.8	2.6	9.2	7.3	1.1	5.2	8.1	8.2	2.7	8.7	4.9	8.5	6.1	4.9	1.1
16 - Tobacco products	6.0	7.4	-0.5	-5.4	5.8	15.7	4.3	-8.5	-4.0	14.5	22.1	-0.9	7.0	-17.2	10.0	-30.0
17 - Textiles	17.2	15.3	3.0	10.4	12.1	11.6	9.6	17.0	11.1	14.3	6.9	8.9	0.4	9.6	6.0	-4.5
18 - Wearing apparel; dressing and dyeing of fur	1.2	7.0	-11.3	10.5	15.1	5.3	-0.7	11.2	1.6	13.5	0.6	10.1	-12.8	6.2	2.6	-0.3
19 - Tanning and dressing of leather; mfr. of related articles	8.9	17.4	9.7	12.2	-4.9	7.2	10.7	15.3	7.4	6.5	-3.5	11.7	-7.0	15.6	12.5	-4.6
20 - Wood and products of wood and cork	5.1	9.5	-3.0	5.5	11.2	3.2	14.6	12.5	1.1	9.5	8.0	9.0	4.2	2.9	5.5	-6.1
21 - Paper and paper products	11.1	11.8	24.1	5.6	12.8	5.6	15.9	5.3	15.4	7.4	10.0	4.5	2.6	3.2	3.8	0.3
22 - Publishing, printing and reproduction of recorded media	41.4	5.3	4.6	10.2	5.5	12.6	17.2	-1.0	7.2	9.4	-9.0	10.7	-2.7	4.0	13.1	-1.2
23 - Coke and refined petroleum products	11.3	6.3	6.5	3.3	3.0	-5.0	4.6	4.6	9.9	-16.9	9.2	11.5	-15.7	20.1	7.0	2.1
24 - Chemicals and chemical products	8.9	13.5	12.5	5.9	14.9	-0.4	5.2	17.6	8.3	13.3	13.6	8.9	1.3	9.8	0.1	-5.8
25 - Rubber and plastic products	11.2	4.7	12.2	9.4	11.5	7.7	15.8	7.6	5.9	12.4	10.9	8.0	4.3	2.0	4.0	-4.1
26 - Other non-metallic mineral products	12.7	20.0	1.2	9.7	10.3	11.9	20.3	9.1	1.4	12.9	14.2	10.2	3.5	17.5	9.7	0.3
27 - Basic metals	2.6	25.1	18.2	-2.3	20.0	-0.9	4.4	35.4	-1.8	7.9	12.1	25.8	-6.0	10.4	5.1	-4.4
28 - Fabricated metal products, excl. mach. & equip.	14.4	11.6	5.1	11.7	10.3	8.7	12.2	19.2	5.1	11.6	11.2	10.8	-0.4	11.2	5.0	-2.1
29 - Machinery and equipment	15.3	20.7	20.4	14.6	12.5	4.7	4.9	15.9	11.5	11.5	18.1	17.3	17.2	12.1	11.6	11.8
30 - Office, accounting and computing machinery	105.0	21.1	41.3	47.7	13.3	20.0	32.1	-6.9	0.0	75.2	21.8	-27.2	36.6	2.0	3.2	1.9
31 - Electrical machinery and apparatus	14.3	5.5	12.9	11.0	9.2	11.5	13.6	17.4	4.3	7.8	17.1	12.3	2.7	6.4	5.8	-5.7
32 - Radio, TV & communication equip. & apparatus	47.2	38.0	26.3	27.7	34.4	29.5	10.8	17.9	9.7	28.7	5.0	24.6	7.5	23.1	15.5	20.1
33 - Medical, precision & optical instruments, watches & clocks	29.6	7.9	21.5	14.2	24.7	4.2	14.8	4.5	8.6	-8.4	9.6	13.7	17.4	14.6	13.8	14.5
34 - Motor vehicles, trailers and semi-trailers	44.9	9.0	16.8	32.1	25.4	17.6	23.7	14.6	-2.6	11.3	24.1	33.2	-2.5	12.7	1.0	-2.5
35 - Other transport equipment	14.8	24.0	6.2	-0.1	21.4	20.5	7.5	18.9	-2.9	-1.8	0.0	25.5	2.0	10.5	3.1	8.6
36 - Furniture; manufacturing n.e.c.	9.2	10.5	6.8	11.8	17.2	0.2	11.1	17.0	2.2	5.5	19.3	6.2	1.5	5.4	5.4	-3.1
37 - Recycling	0.2	-11.7	29.4	-10.0	7.0	-0.6	9.8	9.7	-3.4	-6.3	8.9	1.2	-14.9	10.4	-1.5	-8.0
E - Electricity, gas and water supply	-20.3	61.3	-36.0	0.5	3.3	3.7	8.8	10.2	11.0	2.0	1.7	3.3	6.7	3.2	3.0	-1.1

Sample Table 2

CEECs' production structure in manufacturing, in % (year 2008)

NACE Rev. 1 (14 industries)	Bulgaria	Croatia	Czech Republic	Estonia	Hungary	Latvia 2007	Lithuania	Poland	Romania	Russia	Slovakia	Slovenia	Ukraine
D - Manufacturing	100	100	100	100	100	100	100	100	100	100	100	100	100
DA - Food products; beverages and tobacco	19.4	25.4	8.0	14.2	9.1	28.0	20.7	18.4	19.7	18.4	7.8	8.9	28.9
DB - Textiles and textile products	7.9	2.4	2.1	6.1	1.1	6.8	7.2	2.5	4.2	1.2	2.1	2.8	1.0
DC - Leather and leather products	0.9	1.1	0.2	0.4	0.6	0.1	0.2	0.5	1.4	0.3	0.6	0.7	0.5
DD - Wood and wood products	2.0	2.1	1.6	12.1	0.9	19.9	5.5	3.2	6.1	1.7	3.3	2.5	1.9
DE - Pulp, paper & paper products; publishing & printing	4.0	10.8	3.3	8.1	3.0	7.8	4.4	5.7	3.7	4.4	5.9	6.7	5.4
DF - Coke, refined petroleum products & nuclear fuel	.	8.5	2.4	.	3.5	.	18.0	2.7	10.6	11.0	4.1	0.1	4.7
DG - Chemicals, chemical products and man-made fibres	6.7	7.1	4.8	6.0	5.7	4.1	7.5	5.8	9.8	6.6	3.5	17.2	5.6
DH - Rubber and plastic products	4.3	2.1	6.7	4.0	3.9	3.2	4.8	6.1	2.8	3.7	5.0	5.0	3.1
DI - Other non-metallic mineral products	7.3	5.8	4.9	4.7	3.0	3.7	4.1	5.6	4.7	4.9	3.4	3.8	5.5
DJ - Basic metals and fabricated metal products	16.4	7.1	11.3	12.4	6.9	5.1	4.3	11.7	12.7	15.3	16.2	14.0	26.5
DK - Machinery and equipment n.e.c.	9.3	3.3	9.3	3.8	6.0	2.8	3.4	8.2	3.7	6.8	8.9	11.2	8.3
DL - Electrical and optical equipment	6.1	9.0	22.3	15.7	38.3	3.9	6.2	11.0	3.9	6.0	12.1	12.3	5.9
DM - Transport equipment	2.8	5.8	22.6	4.6	20.1	2.3	4.3	14.1	11.1	10.6	24.0	12.4	13.7
DN - Manufacturing n.e.c.	4.1	3.8	2.9	6.7	1.3	12.4	8.1	4.6	3.7	5.0	4.5	3.6	3.4

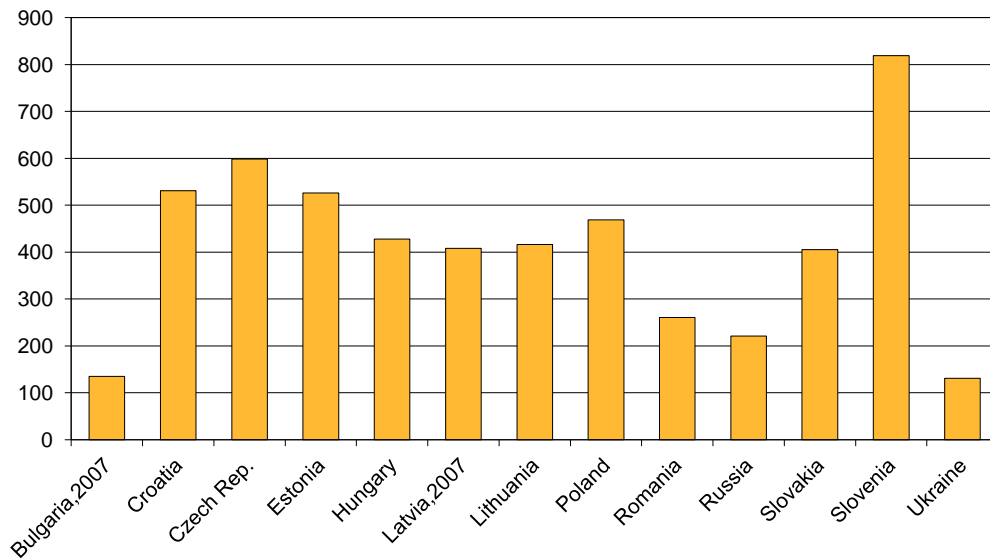
Constant prices based on previous year prices therefore the sum over industries do not add up to manufacturing total.

Notes: Czech Republic: Enterprises with 20 employees or more.
Estonia: DN=36+37+23.
Hungary: Enterprises with more than 5 employees.
Latvia: DA=15; DJ=28; DL=31+32; DN=16,23,27,30,33,36,37.
Lithuania: DA=15.
Poland: Sold production
Slovakia: Enterprises with 20 employees or more.

Sample Figure 1

CEECs' average monthly gross wages in EUR, 2008

DB - Textiles and textile products



Notes: Czech Republic: Enterprises with 20 employees or more. - Estonia: Enterprises with 50 employees or more. - Hungary: Enterprises with more than 5 employees. - Poland: Including mandatory premium for social security. - Slovenia: Legal persons with 1 or 2 employees in private sector are taken into account.

Sample Figure 2

Hungary 2008: Foreign trade with the EU(27) across 23 industries

Exports and Imports in million EUR

