

JUNE 2007

New: Russia and Ukraine

more time series
total about 11,000

wiiw Industrial Database Eastern Europe

Objectives and Purpose

The database was set up to assist wiiw researchers in their analysis of industrial restructuring and changing patterns of specialization 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 are comparable among each other and also directly comparable to those of the old member states of the EU.

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 industrialists, financial investors, researchers and politicians interested in the region.

Available on CD-ROM

The wiiw Industrial Database has been made available to external users since 1997. It is being continuously improved and updated and has been extended from 14 manufacturing industries to 23 industries (NACE rev. 1 / ISIC rev. 3)¹ for selected countries recently. The database now available on CD-ROM is briefly described below.

Content and Coverage

The database contains nearly 11,000 annual time series on industry in the Central, East and Southeast European countries. The 13 countries currently covered include 10 New EU Member States: Bulgaria, the Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, Slovakia and Slovenia (i.e., excluding Malta and Cyprus), one EU candidate country: Croatia, as well as Russia and Ukraine. The data relate to the period 1989-2006 and are arranged according to **NACE rev. 1** sections of industry and 14 subsections of manufacturing (C, D, E; DA, DB ... DN; see Table 2). For Croatia, Estonia, Hungary, Latvia, Lithuania, Poland, Romania and Slovenia we provide even more disaggregated data of manufacturing at the level of NACE rev. 1 divisions (15, 16 ... 37) comprising 23 industries which are identical with industries at the 2-digit level of the **ISIC rev. 3** code (see Tables 3 and 4).

Information is presented by country, year and industry. Twenty-six economic indicators are covered, focusing on production, employment, wages, productivity and foreign trade. They are listed in detail in Table 1 below.

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

ISIC: International Standard Industrial Classification.

Table 1

Indicators covered in the database

Industrial production (current prices), national currency million
Production structure (current prices), manufacturing = 100
Industrial production (constant prices), national currency million
Production structure (constant prices), manufacturing = 100
Production (constant prices), annual changes in %
Employees, persons
Employees structure, manufacturing = 100
Employees, annual changes in %
Average monthly gross wages (national currency)
Average monthly gross wages (EUR)
Average monthly gross wages (USD)
Average monthly gross wages, manufacturing = 100
Average monthly gross wages, annual changes, real (deflated with CPI)
Labour productivity (national currency), manufacturing = 100
Labour productivity (national currency), annual changes in %
Unit Labour Costs (national currency), manufacturing = 100
Unit Labour Costs (national currency), annual changes in %
Unit Labour Costs (EUR), annual changes in %
Unit Labour Costs (USD), annual changes in %
Unit Labour Costs (EUR), Austria = 100
Exports to the EU-15, 1000 EUR
Imports from the EU-15, 1000 EUR
Balance with the EU-15, 1000 EUR
Exports to the EU-25, 1000 EUR
Imports from the EU-25, 1000 EUR
Balance with the EU-25, 1000 EUR

Sources of information

Industry data are taken from national statistical sources. The exact sources used are given in notes to the respective tables. Experienced wiiw statisticians have given particular attention to the comparability and consistency of the data across countries and over time. Published data were supplemented by enquiries to the national statistical offices and adjusted accordingly. Inevitable differences are stated in notes attached to the tables.

Foreign trade data were extracted from the EUROSTAT / Comext Database (exports and imports to / from the EU-15 and the EU-25, and refer to the periods 1995-2005 and 1999-2005 respectively).

Several 'derived' indicators such as growth rates, productivity, unit labour costs, trade balances etc. were calculated by wiiw statisticians.

Updating and Maintenance of the Database

The database is updated *and* revised regularly in June each year. Revisions may go back several periods. The next update is planned for June 2008.

Technical notes

The database consists of six MS-Excel files. The data are presented by country, year and industry.

The files COUNTRY-NACE14.xls and COUNTRY-NACE23.xls comprise sheets named by **countries**. Each sheet contains 14 respectively 23 two-dimensional tables (NACE x Years), one for each of the indicators covered by the database (see Table 1). **In the upper part of the sheet there is a yellow combo box where you can choose between the indicators.** (After choosing one indicator you will get all the data and footnotes concerning that particular indicator.²)

*The files YEAR-NACE14.xls and YEAR-NACE23.xls comprise sheets named by **years** (1989-2005). Again, each sheet contains 14 respectively 23 two dimensional tables (NACE x Country), one for each indicator.*

The files NACE-NACE14.xls and NACE-NACE23.xls consist of sheets named by the **NACE codes** and each sheet contains 14 respectively 23 two-dimensional tables (Country x Years), one for each indicator.

(The CD-ROM contains also two PDF files with a complete catalogue of the database – one file for NACE 14 and one for NACE 23.)

Price

The wiiw Industrial Database Eastern Europe on CD-ROM is available at a price of EUR 295.³ Reduced rate for member companies (subscribers to the wiiw Service Package): EUR 206.50.

² The MS-Excel worksheets contain macros. To allow them to work, choose middle or low security at 'tools / macro / security', so your MS-Excel programme can run these macros (no such option for MS-Excel 97!). If you wish to work with the data, please copy the figures and paste them into your own MS-Excel sheet with the option 'paste as', then select 'values only'.

³ As each CD-ROM comprises new data for the latest period as well as revised data for past periods, there are no 'Updates' for sale.

Table 2

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

Table 3

**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 |

Table 4

Overview on availability *)

| | NACE rev. 1 industries | |
|-----------------|------------------------|---------------|
| | 14 industries | 23 industries |
| 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 | |
| Slovak Republic | X | |
| Slovenia | X | X |
| Ukraine | X | |

*) Foreign trade with the EU available for all countries.

Annex Table 1

POLAND: Annual changes in labour productivity across industry in %

| NACE rev.1 (23 industries) | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|------|------|------|------|------|-------|------|-------|-------|------|
| 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 | 9.5 |
| 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 | 0.8 |
| 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 | 10.2 |
| 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 |
| 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 | -9.2 |
| 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 | 11.3 |
| 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 | 6.1 |
| 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 | 10.9 |
| 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 | 3.7 |
| 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 | 1.9 |
| 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 | 6.3 |
| 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 | 15.6 |
| 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 | 8.9 |
| 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 | 6.3 |
| 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 | 19.0 |
| 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 | 9.7 |
| 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 | 9.3 |
| 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 | 10.5 |
| 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 | 9.8 |
| 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 | 6.2 |
| 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 | 26.8 |
| 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 | 17.8 |
| 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 | 10.7 |
| 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 | 8.1 |
| 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 | 7.7 |
| 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 | 4.0 |
| 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 | 3.7 |

Annex Table 2

Production structure in manufacturing, in % (year 2006)

| NACE rev.1 (14 industries) | Bulgaria | Croatia | Czech Republic | Estonia | Hungary | Latvia 2005 | Lithuania | Poland | Romania | Russia | Slovak Republic | Slovenia | Ukraine |
|--|----------|---------|----------------|---------|---------|----------------|-----------|--------|---------|--------|-----------------|----------|---------|
| D - Manufacturing | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| DA - Food products; beverages and tobacco | 18.7 | 25.5 | 9.4 | 15.3 | 10.9 | 25.8 | 20.1 | 20.1 | 17.7 | 19.0 | 8.9 | 9.8 | 28.7 |
| DB - Textiles and textile products | 9.6 | 2.7 | 2.6 | 7.2 | 1.6 | 6.6 | 9.6 | 3.0 | 5.7 | 1.3 | 2.0 | 3.5 | 1.1 |
| DC - Leather and leather products | 1.0 | 1.0 | 0.2 | 0.4 | 0.4 | 0.1 | 0.3 | 0.5 | 1.5 | 0.3 | 1.1 | 1.1 | 0.5 |
| DD - Wood and wood products | 2.3 | 2.1 | 1.9 | 16.0 | 0.9 | 21.3 | 6.3 | 3.4 | 5.6 | 1.8 | 1.7 | 2.6 | 1.6 |
| DE - Pulp, paper & paper products; publishing & printing | 3.7 | 9.7 | 3.6 | 7.6 | 3.3 | 6.5 | 4.1 | 5.8 | 3.4 | 4.4 | 5.6 | 7.2 | 4.9 |
| DF - Coke, refined petroleum products & nuclear fuel | 11.0 | 10.3 | 2.5 | . | 3.6 | . | 21.4 | 2.7 | 12.2 | 11.5 | 6.3 | 0.1 | 5.8 |
| DG - Chemicals, chemical products and man-made fibres | 6.6 | 6.9 | 4.9 | 5.1 | 6.2 | 3.2 | 5.6 | 6.9 | 9.6 | 7.4 | 4.6 | 13.7 | 6.1 |
| DH - Rubber and plastic products | 3.3 | 2.3 | 6.3 | 4.8 | 3.5 | 4.0 | 5.6 | 6.0 | 2.6 | 2.6 | 5.0 | 4.9 | 2.9 |
| DI - Other non-metallic mineral products | 6.3 | 6.3 | 5.0 | 6.0 | 2.5 | 5.3 | 5.2 | 5.3 | 4.1 | 4.6 | 4.3 | 3.8 | 4.9 |
| DJ - Basic metals and fabricated metal products | 17.6 | 6.5 | 13.0 | 11.3 | 7.2 | 4.8 | 4.4 | 11.6 | 15.0 | 16.2 | 16.4 | 14.4 | 24.9 |
| DK - Machinery and equipment n.e.c. | 8.2 | 3.3 | 8.2 | 2.7 | 5.5 | 3.2 | 2.9 | 6.7 | 3.7 | 5.9 | 9.2 | 10.9 | 7.4 |
| DL - Electrical and optical equipment | 5.3 | 9.1 | 18.6 | 12.6 | 37.0 | 3.3 | 7.2 | 9.4 | 4.3 | 6.0 | 9.9 | 12.2 | 4.8 |
| DM - Transport equipment | 2.3 | 6.0 | 21.7 | 3.9 | 18.4 | 3.3 | 3.4 | 13.4 | 9.7 | 9.6 | 21.0 | 11.6 | 9.4 |
| DN - Manufacturing n.e.c. | 3.4 | 3.7 | 3.2 | 7.3 | 1.1 | 12.5 | 6.9 | 5.2 | 4.1 | 5.0 | 3.8 | 4.4 | 2.2 |

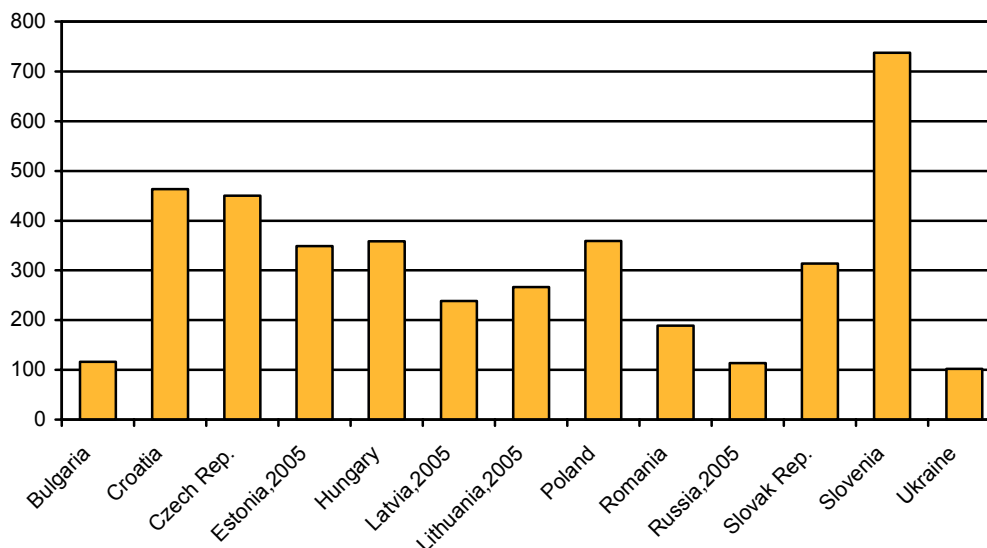
Const. prices based on previous year prices therefore the sum over industries do not add up to manufacturing total.

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.
Slovak Republic: Enterprises with 20 employees or more.

Annex Figure 1

Average monthly gross wages in EUR, 2006

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. - Slovak Republic: Enterprises with 20 employees or more. - Slovenia: Legal persons with 1 or 2 employees in private sector are taken into account.

Annex Figure 2

Hungary 2005: Foreign trade with the EU-25 across 23 industries

Exports and Imports in millionen EUR

