

The STAN database for Industrial Analysis provides analysts and researchers with a comprehensive tool for analysing industrial performance at a detailed level of activity.

It includes annual measures of output, labour input, investment and international trade which allow users to construct a wide range of indicators to focus on areas such as productivity growth, competitiveness and general structural change.

Through the use of a standard industry list, comparisons can be made across countries. The industry list provides sufficient detail to enable users to highlight high-technology sectors and is compatible with those used in related OECD databases.

STAN is primarily based on member countries' annual National Accounts by activity tables and uses data from other sources, such as national industrial surveys/censuses, to estimate any missing detail. Since many of the data points are estimated, they do not represent official member country submissions.

Notes for previous users of STAN :

This new version of STAN is based on the International Standard Industrial Classification Rev.3 (compatible with NACE Rev.1) and has been expanded to cover all activities (including services) and a wider range of variables - it has effectively been merged with OECD's International Sectoral Database (ISDB) which is no longer updated.

## Production

Production represents the value of goods and/or services produced in a year, whether sold or stocked. The related measure Turnover corresponds to the actual sales in the year and can be greater than Production in a given year if all production is sold together with stocks from previous years. While production and turnover will be different in a year, their averages over a long period of time should converge (depending on how perishable the stock is).

National statistical agencies typically derive constant price data or volume indices by applying detailed deflators based on Producer Price indices (PPIs) or Consumer price indices (CPIs) coming from detailed surveys. Volumes for activity groups are either fixed-weight Laspeyres aggregates (e.g., Italy, Japan, Germany) or annually re-weighted chained aggregates (e.g. USA, France, Australia) of the volumes of detailed sector.

Some care should be taken with the interpretation of Production since it includes intermediate inputs (such as energy, materials and services required to produce final output). Any output of intermediate goods consumed within the same sector is also recorded as output - the impact of such intra-sector flows depending on the coverage of the sector. For this reason, value added is often considered a better measure of output.

## Employment

Measures of employment differ across countries with variants of some of the following

being provided:

Headcounts - actual number engaged, number of employees (full- and part-time);

Number of jobs - those with more than one job (full- or part-time) are counted more than once;

Full-time equivalent jobs (FTE) - where adjustments are made for part-time employment.

For most countries, headline total employment by activity tables are based on headcounts. However, number of jobs is used by some (e.g. Canada, Japan and UK) while others use some notion of full-time equivalence (e.g. USA and Italy). Also, while many countries use 12-month averages for annual employment data, some countries use mid-year estimates (employment on a particular date each year). SNA93 recommends Number of jobs as it is deemed more useful in indicating how industry-specific needs for labour shape the production process than Headcounts. For the purposes of productivity measurement SNA93 also recommends providing Hours Worked (actually worked, not just paid for) and/or Full-time equivalent jobs (which is defined as total hours worked divided by average annual hours worked in full-time jobs)

For many countries the ultimate source for employment data are Labour Force Surveys with adjustments being made to make them more relevant in a National Accounts context.

In STAN, the variables EMPN and EMPE represent Headcounts or Number of jobs depending on availability while EMPN\_FTE and EMPE\_FTE contain Full-time equivalent jobs whenever available. HOURS contains any hours worked data available (ideally hours actually worked per person per year).

#### Investment and capital stock

Gross Fixed Capital Formation consists of acquisitions, less disposals, of new tangible assets (such as machinery and equipment, transport equipment, livestock, constructions) and new intangible assets (such as mineral exploration and computer software) to be used for more than one year. Excluded are acquisitions of land, mineral deposits, timber tract etc (although their improvement and development are included) and government outlays primarily for military purposes.

Note that certain intangible assets, such as computer software, now considered investment goods under SNA93, were previously treated as intermediate inputs.

Gross Capital Stock represents the volume of existing physical capital assets available to producers and is the sum of all past investments in assets with each vintage valued at prices "as new" - regardless of the age and condition of the assets. It is a gross measure in the sense that it neither accounts for depreciation nor physical efficiency losses of capital goods - it reflects only retirement of goods.

Net Capital Stock is the value of all vintages of assets to owners where valuation reflects market prices for new and used assets. It is also referred to as Wealth Capital Stock as it reflects current monetary values of capital goods rather than continuing utility.

An alternative measure, preferred by some countries, is Productive Capital Stock which attempts to measure more accurately the level of services provided by the assets in question by taking into account reduction in utility (or efficiency decline), rather than depreciation in value, before retirement.

Comprehensive discussion on the measurement of capital inputs can be found in i) Chapter 5 of Measuring Productivity - OECD Manual and ii) Measuring Capital - OECD Manual.

At present in STAN, only capital stock data provided by national authorities are given. No attempt is made to make estimates (based on the perpetual inventory model for example) since the measurement of capital inputs (for productivity analysis) is currently being reviewed at OECD.

Non-residential investment by industry is the preferred measure in STAN. However, some countries' investment by activity tables include residential investment. For this reason, it is useful to exclude activities such as "Agriculture, Hunting, Forestry and Fishing" (ISIC 01-05) and "Real Estate Activities" (ISIC 70) when comparing across countries, making use of the alternative STAN aggregate "Non-agriculture business sector" (STAN code 10-74).

## Variables in STAN

To meet basic requirements of international research and analysis in areas such as productivity, competitiveness and general structural change, STAN provides the variables presented in the table below.

### Summary of variables provided in STAN

Description	STAN code	Old STAN code
Production (gross output), current prices	PROD	PROD
Production (gross output), volumes	PRDK	PRODK
<a href="#">Production (Gross Output), deflators</a>	<a href="#">PRDP</a>	
Intermediate inputs, current prices	INTI	INTI
Intermediate inputs, volumes	INTK	INTIK
<a href="#">Intermediate inputs, deflators</a>	<a href="#">INTP</a>	
Value added, current prices	VALU	VALU
Value added, volumes	VALK	VALUK
<a href="#">Value Added, deflators</a>	<a href="#">VALP</a>	
Labour costs (compensation of employees)	LABR	LABR
Wages and salaries	WAGE	WAGE
Number of persons engaged (total employment)	EMPN	EMPN
Number of employees	EMPE	EMPE
<a href="#">Self-employed</a>	<a href="#">SELF</a>	
Full-time equivalents - total engaged	FTEN	EMPN_FTE
Full-time equivalents - employees	FTEE	EMPE_FTE
Hours worked - total engaged	HRSN	HOURS
Hours worked - employees	HRSE	HOURS
Gross fixed capital formation, current prices	GFCF	GFCF
Gross fixed capital formation, volumes	GFCCK	GFCFK
<a href="#">Gross Fixed Capital Formation, deflators</a>	<a href="#">GFCP</a>	
Gross capital stock, volumes	CPGK	CAPK
Net capital stock, volumes	CPNK	CPNK
Exports of goods at current prices	EXPO	EXPO
Imports of goods at current prices	IMPO	IMPO
<a href="#">Value added at factor costs, current prices</a>	<a href="#">VAFC</a>	
<a href="#">Other taxes less subsidies on production</a>	<a href="#">OTXS</a>	
Gross operating surplus and mixed income	GOPS	OPS
Net operating surplus and mixed income	NOPS	OPS
Consumption of fixed capital	CFCC	CFC

#### STAN data are expressed :

- in national currency for current price data (PROD, VALU, GFCF, LABR, EXPO etc.) *i.e.* in Euros for EMU countries ;  
see [OECD Statistics Newsletter no.4.](#), p.6. for brief discussion,
- in terms of the current price value in the reference year (usually 2000) for volume data (PRDK, VALK, GFCCK etc.),
- as indices (reference year = 1) for implicit deflators,
- in number of persons or jobs for employment data.

## Variable hierarchy in STAN

	4-char ID	old STAN ID		4-char ID	old STAN ID		4-char ID	old STAN ID	Variable description	Notes
	<b>Current prices</b>			<b>Volumes</b>			<b>Implicit deflators (prices)</b>			
1	<b>PROD</b>	PROD	25	<b>PRDK</b>	PRODK	34	<b>PRDP</b>	n/a	Production (gross output)	Producers prices for USA and Japan  if available separately  For US and Japan: "Total taxes less subsidies on production" i.e. <i>including</i> products
2	<b>INTI</b>	INTI	26	<b>INTK</b>	INTIK	35	<b>INTP</b>	n/a	--Intermediate inputs	
3	<b>VALU</b>	VALU	27	<b>VALK</b>	VALUK	36	<b>VALP</b>	n/a	--Value added at Basic Prices	
4	<b>VAFC</b>	n/a							----Value added at Factor Costs	
5	<b>LABR</b>	LABR							-----Labour costs (compensation of employees)	
6	<b>WAGE</b>	WAGE							-----Wages and salaries	
7	<b>GOPS</b>	OPS	}						-----Gross Operating surplus and mixed income	
8	<b>NOPS</b>	OPS							-----Net Operating surplus and mixed income	
9	<b>CFCC</b>	CFC							-----Consumption of fixed capital	
10	<b>OTXS</b>	n/a							----"Other taxes less subsidies on production" i.e. excluding products	
11	<b>GFCF</b>	GFCF	28	<b>GFCK</b>	GFCFK	37	<b>GFCP</b>	n/a	Gross fixed capital formation	
12	*CAPG	CAP	29	<b>CPGK</b>	CAPK				Gross capital stock	
13	*CAPN	NCAP	30	<b>CPNK</b>	NCAPK				Net capital stock	
14	*CAPP	n/a	31	*CPPK	n/a	38	*CPPP	n/a	*Productive Capital Stock	
15	<b>EMPN</b>	EMPN							Total employment	Persons or jobs  = EMPN - EMPE
16	<b>EMPE</b>	EMPE							--Employees	
17	<b>SELF</b>	n/a							--Self-employed	
18	<b>F TEN</b>	EMPN_FTE							Total employment, Full-time equivalent	
19	<b>FTEE</b>	EMPE_FTE							--Employees, Full-time equivalent	
20	<b>HRSN</b>	HOURS	}						Total Employment, Hours worked	
21	<b>HRSE</b>	HOURS								-- Employees, Hours worked
22	<b>EXPO</b>	EXPO	32	*EXPK	n/a	39	*EXPP	n/a	Exports of goods	Output from ANBERD process
23	<b>IMPO</b>	IMPO	33	*IMPK	n/a	40	*IMPP	n/a	Imports of goods	
24	*RDNC	ANBERD							*Business expenditure on R&D	
		VALU_B							Value added (basic prices)	} Replaced by provision of VAFC for all countries
		ITXS							Taxes less subsidies on products	
		VALU_P							Value added (producer's prices)	

\* Not currently available in STAN for any country

## STAN industry list

An important feature of STAN is the use of a standard industry list for all countries to facilitate international comparisons. The list is based on ISIC Rev. 3 (see the U.N.'s classifications registry for more details) and includes manufacturing and non-manufacturing sectors; it is compatible with the NACE Rev. 1 classification used by EU member countries.

[U.N.'s classifications registry](#)

The list is designed to provide users with enough detail to focus on technology- and/or knowledge-intensive industries while taking into consideration general data availability across countries (based on recent experience). Also taken into account is (i) the list used for manufactures in the old ISIC Rev. 2 version of STAN; (ii) compatibility with related OECD data sets such as ANBERD and the OECD's Input-Output tables; and (iii) the level of detailed requested in the joint OECD/Eurostat official national accounts questionnaire.

### STAN industry list

Description	ISIC Rev.3	Description	ISIC Rev.3
<b>TOTAL</b>	<b>01-99</b>		
<b>AGRICULTURE, HUNTING, FORESTRY AND FISHING</b>	<b>01-05</b>	<b>MINING AND QUARRYING</b>	<b>10-14</b>
AGRICULTURE, HUNTING AND FORESTRY	01-02	MINING AND QUARRYING OF ENERGY PRODUCING MATERIALS	10-12
....AGRICULTURE, HUNTING AND RELATED SERVICE ACTIVITIES	01	....MINING OF COAL AND LIGNITE, EXTRACTION OF PEAT	10
....FORESTRY, LOGGING AND RELATED SERVICE ACTIVITIES	02	....EXTRACTION OF CRUDE PETROLEUM AND NATURAL GAS AND RELATED SERVICES	11
FISHING, FISH HATCHERIES, FISH FARMS AND RELATED SERVICES	05	....MINING OF URANIUM AND THORIUM ORES	12
		MINING AND QUARRYING EXCEPT ENERGY PRODUCING MATERIALS	13-14
		....MINING OF METAL ORES	13
		....OTHER MINING AND QUARRYING	14
<b>INDUSTRY INCLUDING ENERGY</b>	<b>10-41</b>		
<b>MANUFACTURING</b>	<b>15-37</b>	<b>ELECTRICITY, GAS AND WATER SUPPLY</b>	<b>40-41</b>
FOOD PRODUCTS, BEVERAGES AND TOBACCO	15-16	....ELECTRICITY, GAS, STEAM AND HOT WATER SUPPLY	40
....FOOD PRODUCTS AND BEVERAGES	15	....COLLECTION, PURIFICATION AND DISTRIBUTION OF WATER	41
....TOBACCO PRODUCTS	16		
TEXTILES, TEXTILE PRODUCTS, LEATHER AND FOOTWEAR	17-19	<b>CONSTRUCTION</b>	<b>45</b>
....TEXTILES AND TEXTILE PRODUCTS	17-18		
.....TEXTILES	17	<b>WHOLESALE AND RETAIL TRADE - RESTAURANTS AND HOTELS</b>	<b>50-55</b>
.....WEARING APPAREL, DRESSING AND DYEING OF FUR	18	WHOLESALE AND RETAIL TRADE - REPAIRS	50-52
....LEATHER, LEATHER PRODUCTS AND FOOTWEAR	19	....SALE, MAINTENANCE AND REPAIR OF MOTOR VEHICLES AND MOTORCYCLES - RETAIL	
WOOD AND PRODUCTS OF WOOD AND CORK	20	SALE OF AUTOMOTIVE FUEL	50
PULP, PAPER, PAPER PRODUCTS, PRINTING AND PUBLISHING	21-22	....WHOLESALE, TRADE AND COMMISSION EXCL. MOTOR VEHICLES	51
....PULP, PAPER AND PAPER PRODUCTS	21	....RETAIL TRADE EXCL. MOTOR VEHICLES - REPAIR OF HOUSEHOLD GOODS	52
....PRINTING AND PUBLISHING	22	HOTELS AND RESTAURANTS	55
CHEMICAL, RUBBER, PLASTICS AND FUEL PRODUCTS	23-25		
....COKE, REFINED PETROLEUM PRODUCTS AND NUCLEAR FUEL	23	<b>TRANSPORT, STORAGE AND COMMUNICATIONS</b>	<b>60-64</b>
....CHEMICALS AND CHEMICAL PRODUCTS	24	TRANSPORT AND STORAGE	60-63
.....CHEMICALS EXCLUDING PHARMACEUTICALS	24 less 2423	....LAND TRANSPORT - TRANSPORT VIA PIPELINES	60
.....PHARMACEUTICALS	2423	....WATER TRANSPORT	61
....RUBBER AND PLASTICS PRODUCTS	25	....AIR TRANSPORT	62
OTHER NON-METALLIC MINERAL PRODUCTS	26	....SUPPORTING AND AUXILIARY TRANSPORT ACTIVITIES	63
BASIC METALS, METAL PRODUCTS, MACHINERY AND EQUIPMENT	27-35	POST AND TELECOMMUNICATIONS	64
BASIC METALS AND FABRICATED METAL PRODUCTS	27-28		
....BASIC METALS	27	<b>FINANCE, INSURANCE, REAL ESTATE AND BUSINESS SERVICES</b>	<b>65-74</b>
.....IRON AND STEEL	27+2731	FINANCIAL INTERMEDIATION	65-67
.....NON-FERROUS METALS	272+2732	....FINANCIAL INTERMEDIATION except insurance and pension funding	65
....FABRICATED METAL PRODUCTS, except machinery and equipment	28	....INSURANCE AND PENSION FUNDING, except compulsory social security	66
MACHINERY AND EQUIPMENT	29-33	....ACTIVITIES RELATED TO FINANCIAL INTERMEDIATION	67
....MACHINERY AND EQUIPMENT, N.E.C.	29	REAL ESTATE, RENTING AND BUSINESS ACTIVITIES	70-74
....ELECTRICAL AND OPTICAL EQUIPMENT	30-33	....REAL ESTATE ACTIVITIES	70
.....OFFICE, ACCOUNTING AND COMPUTING MACHINERY	30	....RENTING OF MACH. AND EQUIP. - OTHER BUSINESS ACTIVITIES	71-74
.....ELECTRICAL MACHINERY AND APPARATUS, NEC	31	.....RENTING OF MACHINERY AND EQUIPMENT	71
.....RADIO, TELEVISION AND COMMUNICATION EQUIPMENT	32	.....COMPUTER AND RELATED ACTIVITIES	72
.....MEDICAL, PRECISION AND OPTICAL INSTRUMENTS	33	.....RESEARCH AND DEVELOPMENT	73
TRANSPORT EQUIPMENT	34-35	.....OTHER BUSINESS ACTIVITIES	74
....MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	34		
....OTHER TRANSPORT EQUIPMENT	35	<b>COMMUNITY, SOCIAL AND PERSONAL SERVICES</b>	<b>75-99</b>
.....BUILDING AND REPAIRING OF SHIPS AND BOATS	351	PUBLIC ADMIN. AND DEFENCE - COMPULSORY SOCIAL SECURITY	75
.....AIRCRAFT AND SPACECRAFT	353	EDUCATION	80
.....RAILROAD EQUIPMENT AND TRANSPORT EQUIPMENT N.E.C.	352+359	HEALTH AND SOCIAL WORK	85
MANUFACTURING N.E.C. AND RECYCLING	36-37	OTHER COMMUNITY, SOCIAL AND PERSONAL SERVICES	90-93
MANUFACTURING N.E.C.	36	....SEWAGE AND REFUSE DISPOSAL, SANITATION AND SIMILAR ACTIVITIES	90
RECYCLING	37	....ACTIVITIES OF MEMBERSHIP ORGANIZATIONS N.E.C.	91
		....RECREATIONAL, CULTURAL AND SPORTING ACTIVITIES	92
		....OTHER SERVICE ACTIVITIES	93
		PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS	95
		EXTRA-TERRITORIAL ORGANIZATIONS AND BODIES	99
HIGH-TECHNOLOGY MANUFACTURES	2423,30,32,33,353		
MEDIUM-HIGH TECHNOLOGY MANUFACTURES	24 less 2423,29,31,34,352+359	<b>TOTAL SERVICES</b>	<b>50-99</b>
MEDIUM-LOW TECHNOLOGY MANUFACTURES	23,25-28,351	<b>BUSINESS SECTOR SERVICES</b>	<b>50-74</b>
LOW TECHNOLOGY MANUFACTURES	15-22,36-37	<b>NON-AGRICULTURE BUSINESS SECTOR excluding Real Estate</b>	<b>10-67,71-74</b>
HIGH AND MEDIUM-HIGH TECHNOLOGY MANUFACTURES (incl. 351)	24, 29-35	<b>BUSINESS SECTOR SERVICES excluding Real Estate</b>	<b>50-67,71-74</b>
ENERGY PRODUCING ACTIVITIES	10-12,23,40		

## AUSTRALIA - Country notes

### General

*Principal Source:* Australian Bureau of Statistics (ABS)  
*National website for NA tables:* <http://www.abs.gov.au/AusStats/ABS@.nsf/MF/5204.0>  
*Industrial classification used:* ANZSIC  
*National reference year:* Fiscal year 2005/06  
*Coverage of national NA tables:* Aggregate data to fiscal year 2006/07

### Variables

VALU, VALK                      *At Basic prices*  
VALK                              *Single deflation (i.e. based on indices of production)*  
EMPN                              *Headcounts, average of quarterly data (Aug, Nov, Feb, May)*

VALK, GFCK                      *Annually re-weighted chained Laspeyres aggregates*  
GFCK, GFCK                      *Total ownership transfer costs have been distributed proportionally across activities*

### Industries

*Electricity, Gas and Water supply (40-41) includes sanitary and similar services (part ISIC 90)*  
*Real Estate Activities (70) consists of Ownership of dwellings only*  
*Renting of Machinery and Equipment and Other Business Activities (71-74) includes other real estate activities*  
*Other Community and Personal Services (90-93) includes Private Households with Employed Persons (95) and does not include sanitary and similar services (part ISIC 90)*

### Further notes

1. Data for fiscal years beginning on the 1st July of the year indicated (e.g. 2000 represents July 2000 to June 2001)

## AUSTRIA - Country notes

### General

<i>Principal Source:</i>	Statistik Austria
<i>National website for NA tables:</i>	<a href="http://www.statistik.at/web_en/statistics/national_accounts/index.html">http://www.statistik.at/web_en/statistics/national_accounts/index.html</a>
<i>Industrial classification used:</i>	ÖNACE 1995 (NACE Rev. 1)
<i>National reference year:</i>	2000
<i>Availability of National Accounts by activity data from national sources:</i>	1976-2007: 2-digit NACE (ISIC) <i>Any other figures, for earlier periods or more detailed activities (such as 3- or 4-digit ISIC), are Secretariat estimates - shaded grey in the tables. See also the data notes in STAN_AUT_M.XLS</i>

### Variables

PROD, PRDK	<i>At basic prices</i>
VALU, VALK	<i>At basic prices</i>
INTI, INTK	<i>At producer's prices</i>
EMPN, EMPE	<i>Number of jobs</i>
PRDK, INTK, VALK, GFCK	<i>Annually re-weighted chained Laspeyres</i>
CPGK, CPNK	<b>Fixed base, 1995 prices</b>

### Industries

~~Railroad equipment and other transport equipment nec (352+359) includes Aircraft and spacecraft (353) for all variables except export and imports.~~

### Further notes

1. During 2008 and 2009, Austrian annual National Accounts have been revised back to 1976. The most significant changes concern employment and hours worked due to changes in the allocation of self-employed by industry. Upward revisions to GFCF are due to expenditure in software being moved from intermediate inputs to investment. Also, cars leased by private households are no longer private consumption expenditure but GFCF of the car rental enterprises. Estimates of the consumption of fixed capital have also been revised. See:

[www.statistik.at/web\\_en/statistics/national\\_accounts/gross\\_domestic\\_product/annual\\_data/index.html](http://www.statistik.at/web_en/statistics/national_accounts/gross_domestic_product/annual_data/index.html)

2. *Financial intermediation services indirectly measured (FISIM* - formerly known as Imputed bank service charges) are allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)

## BELGIUM - Country notes

### General

<i>Principal Source:</i>	National Bank of Belgium (NBB): <i>National Accounts Institute</i> and <i>Financial and Economic Statistics division</i>
<i>National website for NA tables:</i>	<a href="http://www.nbb.be/belgostat/DataAccesLinker?Lang=E&amp;Code=Natrek">www.nbb.be/belgostat/DataAccesLinker?Lang=E&amp;Code=Natrek</a>
<i>Industrial classification used:</i>	NACE Rev. 1
<i>National reference year:</i>	2006 (t-2)
<i>Coverage of national NA tables:</i>	2-digit NACE / ISIC (A60) data for production, value added and components, employment and GFCF: 1995-2007. Relatively aggregate data (A31 list) for all measures including hours worked and capital stock: 1995-2007.

### Variables

PROD, PRDK, VALU, VALK	<i>At basic prices</i>
EMPN, EMPE	<i>Headcounts</i>
PRDK, INTK, VALK, GFCK	<i>Annually re-weighted chained Laspeyres</i>

### Industries

### Further notes

1. For many sectors, *Exports of Goods* exceeds *Production* (even for total manufacturing). This reflects the particularly high volume of 'transit trade' (re-exports) included in the trade figures.
2. *Financial intermediation services indirectly measured (FISIM)* - formerly known as Imputed bank service charges) are now allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)

## CANADA - Country notes

### General

Principal Source:	Statistics Canada *
National website for NA tables:	<a href="http://www.statcan.ca/english/nea-cen/index.htm">www.statcan.ca/english/nea-cen/index.htm</a>
Industrial classification used:	<b>NAICS</b>
National reference year:	<b>2002</b>
Availability of National Accounts by activity data from national sources:	Detailed Canadian NAICS tables: Output 1970-2005; Employment and Hours worked 1997-2007; Value Added volumes, Investment and Capital Stock 1970-2007 <i>Any other figures, for earlier periods or more detailed activities (such as 3- or 4-digit ISIC), are Secretariat estimates - shaded grey in the tables. See also the data notes in STAN_CAN_M.XLS</i>

### Variables

VALU, VALK	at basic prices
CPGK	Non-residential (GFCF and GFCK include residential investment - in ISIC 70)
EMPN	Number of jobs (see note 1. below)
EMPE	Number of employee jobs (see note 1. below)
VALK, GFCK, CPGK	Annually re-weighted chained Laspeyres

### Industries

#### For all variables except Exports and Imports :

"Agriculture, hunting, forestry and fishing" (ISIC 01-02) includes "aquaculture"

"Fishing" (ISIC 05) includes "hunting and trapping"

"Publishing, printing and reproduction of recorded media" (ISIC 22) includes NAICS-97 5112 "Software publishers" (ISIC 72) and NAICS-97 514 "Information and data processing services" (note: 514 does not exist in NAICS 2002 and 2007 - distributed to 516, 518 and 519)

"Radio, TV and communication equipment" (ISIC 32) includes NAICS-97 3345 "Navigational, Measuring, Medical and Control Instruments Manufacturing" (ISIC 33) and NAICS-97 3346 "Manufacturing and Reproducing Magnetic and Optical Media" (ISIC 22)

"Medical, Precision and Optical Instruments" (ISIC 33) included in "Radio, TV and communication equipment" (ISIC 32) and "Manufacturing n.e.c" (ISIC 36-37)

"Manufacturing n.e.c" (ISIC 36-37) includes NAICS-97 3391 "Medical Equipment and Supplies Manufacturing" (ISIC 33)

"Electricity, Gas and Water supply" (ISIC 40\_41) includes "Recycling" (ISIC 37) and "Sanitary and similar services" (ISIC 90)

"Financial intermediation" (ISIC 65) includes "Activities related to financial intermediation" (ISIC 67)

"Renting of machinery and equipment and other business activities" (ISIC 71-74) does not include NAICS-97 5112 "Software publishing"

"Other Community and Personal Services" (ISIC 90\_93) includes "Private households with employed persons" (ISIC 95)

"Other Community and Personal Services" (ISIC 90\_93) does not include "sanitary and similar services" (ISIC 90) and NAICS-97 5141 "Information services"

### Further notes

1. In 2003, significant revisions to employment and hours worked by industry were made by Statistics Canada. The new series were constructed by aggregating figures produced at the provincial level. Previously, national estimates by industry were disaggregated to provinces, but this proved unsatisfactory. Also, the 2001 Census was used in conjunction with the Labour Force Survey to re-estimate the distribution of self-employed persons by industry and province. For hours worked, revised data from the Survey of employment, payroll and hours were incorporated and improved methods were used to estimate hours lost, most notably taking account of regional holidays.

#### \* Detailed sources :

Output data (PROD, VALU, VALK) provided by the **Industry Accounts Division**  
CANSIM tables: 379-0017, 379-0023 and 381-0009

Investment and Capital Stock (GFCF, GFCK, CPGK) provided by Investment and Capital Stock Division  
CANSIM tables: 031-0002

Employment measures (LABR, EMPN, HRSN, HRSE) provided by the **Income and Expenditure Accounts Division**  
CANSIM tables: 383-0003, 383-0009 and 383-0010

## SWITZERLAND - Country

### General

*Principal Source:*

*National website for NA tables:*

*Industrial classification used:*

*National reference year:*

*Coverage of national NA tables:*

### Variables

PROD, PRDK

VALU, VALK

PRDK, VALK, INTK

### Industries

*Chemicals and chemical products (2-*

*Electrical machinery and apparatus, 1*

*Public administration and defence (7)*

*Education (80) includes private educ.*

*Other Community and Personal Serv.*

### Further notes

1. Data for 2006 are provisional.

## CZECH REPUBLIC - Country notes

### General

Principal Source:	Czech Statistical Office (CZSO)
National website for NA tables:	<a href="http://dw.czso.cz/pls/rocenka/rocnkavyber.socas_en">http://dw.czso.cz/pls/rocenka/rocnkavyber.socas_en</a>
Industrial classification used:	NACE Rev. 1
National reference year:	2000
Coverage of national NA tables:	1995-2007 : 2-digit NACE (ISIC)

### Variables

PROD, PRDK	At basic prices
VALU, VALK	At basic prices
INTI, INTK	At producer's prices
EMPN, EMPE	
PRDK, INTK, VALK, GFCK	Annually re-weighted chained Laspeyres

### Industries

### Further notes

1. *Financial intermediation services indirectly measured (FISIM* - formerly known as Imputed bank service charges) are now allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)

## GERMANY - Country notes

### General

Principal Source:	Statistisches Bundesamt
National website for NA tables:	<a href="http://www.destatis.de">www.destatis.de</a>
Industrial classification used:	NACE Rev. 1
National reference year:	2000
Coverage of national NA tables:	1991-2007 (detailed sectors to 2006)

### Variables

PROD, PRDK	<i>At basic prices</i>
VALU, VALK	<i>At basic prices</i>
EMPN, EMPE	<i>Headcounts</i>
PRDK, VALK, INTK, GFCK	<i>Annually re-weighted chained Laspeyres</i>
GFCE, GFCK	<i>Acquisitions of new assets. Net sales of used assets (about 2.5% of new assets) available at total economy level only</i>
EXPO, IMPO	<i>Data prior to 1991 are for western Germany only.</i>

### Industries

### Further notes

1. *Financial intermediation services indirectly measured (FISIM* - formerly known as Imputed bank service charges) are now allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)

2. Quality adjusted (hedonic) deflators for ICT goods now used in calculation of volumes by industry.

## WESTERN GERMANY - Country notes

### General

Principal Source:	Statistisches Bundesamt
National website for NA tables:	<a href="http://www.destatis.de/themen/e/thm_accounts.htm">http://www.destatis.de/themen/e/thm_accounts.htm</a>
Industrial classification used:	NACE Rev. 1
National reference year:	1991
Availability of National Accounts by activity data from national sources:	<b>1970-1991</b> <i>Any other figures, for earlier periods or more detailed activities (such as 3- or 4-digit ISIC), are Secretariat estimates - shaded grey in the tables. See also the data notes in STAN_DEW_M.XLS</i>

### Variables

PROD, PRDK	<i>At basic prices</i>
VALU, VALK	<i>At basic prices</i>
EMPN, EMPE	<i>Headcounts</i>
PRDK, VALK, GFCK	<b>Annually re-weighted chained Laspeyres, reference year 1991.</b>
GFCF, GFCK	<i>Acquisitions of new assets. Net sales of used assets (about 2.5% of new assets) available at total economy level only</i>

### Industries

### Further notes

These tables are primarily based on revised ESA95 compatible estimates for former West Germany released by *Statistisches Bundesamt* in August 2006. Source: Volkswirtschaftliche Gesamtrechnungen: Inlandsproduktsberechnung - Revidierte Jahresergebnisse - 1970 bis 1991 - Fachserie 18 Reihe S.29:

[https://www-ec.destatis.de/csp/shop/sfg/bpm.html.cms.cBroker.cls?CSPCHD=0040000100004782ogP3000000GYci9x\\$h\\_Z89M1VGdc5IqA--&cmspath=struktur.vollanzeige.csp&ID=1019057](https://www-ec.destatis.de/csp/shop/sfg/bpm.html.cms.cBroker.cls?CSPCHD=0040000100004782ogP3000000GYci9x$h_Z89M1VGdc5IqA--&cmspath=struktur.vollanzeige.csp&ID=1019057)

## DENMARK - Country notes

### General

Principal Source:	Statistics Denmark
National website for NA tables:	<a href="http://www.statbank.dk/statbank5a/SelectTable/omrade0.asp?SubjectCode=14&amp;PLanguage=1&amp;ShowNews=OFF">http://www.statbank.dk/statbank5a/SelectTable/omrade0.asp?SubjectCode=14&amp;PLanguage=1&amp;ShowNews=OFF</a>
Industrial classification used:	NACE Rev. 1
National reference year:	2000
Coverage of national NA tables:	1966-2005 for all STAN industries. Aggregate industries: 1966-2007.

### Variables

PROD, PRDK	<i>At basic prices</i>
VALU, VALK	<i>At basic prices</i>
EMPN, EMPE	<i>Headcounts, excluding people on leave.</i>
PRDK, INTK, VALK, GFCK	<i>Annually re-weighted chained Laspeyres</i>

### Industries

"Aircraft and Spacecraft" (353) is included in "Railroad equipment and transport equipment n.e.c." (352 + 359)

### Further notes

1. *Financial intermediation services indirectly measured (FISIM* - formerly known as Imputed bank service charges) are now allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)

Data for 2005-2007 are provisional.



## SPAIN - Country notes

### General

<i>Principal Source:</i>	Instituto Nacional de Estadística (INE)
<i>National website for NA tables:</i>	<a href="http://www.ine.es/jaxi/menu.do?type=pcaxis&amp;path=%2Ft35/p008&amp;file=inebase&amp;L=1">www.ine.es/jaxi/menu.do?type=pcaxis&amp;path=%2Ft35/p008&amp;file=inebase&amp;L=1</a>
<i>Industrial classification used:</i>	NACE Rev. 1
<i>National reference year:</i>	2000
<i>Availability of National Accounts by activity data from national sources:</i>	2-digit NACE for 2000-2005; aggregate (A31 list) data for 2000-2007 (see notes 1 and 2 below); 2-digit NACE for 1995-2000 from Supply-Use tables '1995 base' <i>Any other figures, for earlier periods or more detailed activities (such as 3- or 4-digit ISIC), are Secretariat estimates - shaded grey in the tables. See also the data notes in STAN_ESP_M.XLS</i>

### Variables

PROD, VALU, VALK	<i>At basic prices</i>
EMPN, EMPE	<i>Headcounts</i>
VALK	<i>Annually re-weighted chained Laspeyres</i>
GFCK, CPGK, CPNK	<i>Fixed weight Laspeyres (2000 prices)</i>
GFCE, GFCK, CPGK, CPNK	<i>Source = Fundación BBVA and Instituto Valenciano de Investigaciones Económicas (IVIE)</i> <a href="http://www.ivie.es/banco/stock2.php?idioma=EN">http://www.ivie.es/banco/stock2.php?idioma=EN</a>

### Industries

"Other Community and Personal Services" (ISIC 90\_93) includes "Private households with employed persons" (ISIC 95)

### Further notes

1. INE National Accounts data for 2006 are provisional; any data for 2007 are advance preliminary estimates.
2. Latest revised official national accounts, compiled according to ESA95 (SNA93), are currently available from 2000 only - although very aggregate data are available from 1980 based on quarterly National Accounts. Output and employment estimates for 1995 to 1999 are primarily based on INE "base 1995" SNA93 data, while estimates for 1986 to 1994 are based on INE's "base 1986" SNA68 data and estimates for 1980 to 1985 are based on INE's "base 1980" SNA68 data.
3. Fundación BBVA-IVIE Capital Stock and Investment estimates available up to 2007

## FINLAND - Country notes

### General

Principal Source:	Statistics Finland
National website for NA tables:	<a href="http://www.stat.fi/til/kan_en.html">www.stat.fi/til/kan_en.html</a>
Industrial classification used:	NACE Rev. 1
National reference year:	2000
Coverage of national NA tables:	1975-2007, 2-digit NACE

### Variables

PROD, PRDK	<i>At basic prices</i>
VALU, VALK	<i>At basic prices</i>
EMPN, EMPE	<i>Headcounts</i>
PRDK, INTK, VALK, GFCK	<i>Annually re-weighted chained Laspeyres</i>

### Industries

### Further notes

1. *Financial intermediation services indirectly measured (FISIM* - formerly known as Imputed bank service charges) are now allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)
2. For all measures except exports and imports, **data for 2006-2007 are provisional**.

## FRANCE - Country notes

### General

<i>Principal Source:</i>	INSEE, Comptes nationaux
<i>National website for NA tables:</i>	<a href="http://www.insee.fr/fr/indicateur/cnat_annu/cnat_annu.htm">http://www.insee.fr/fr/indicateur/cnat_annu/cnat_annu.htm</a>
<i>Industrial classification used:</i>	NAF (compatible with NACE Rev. 1) - <i>see notes below</i>
<i>National reference year:</i>	2000
Coverage of national NA tables:	Aggregate industries (INSEE 'F-level') - <b>production and value added: 1959-2007; value added components (labour costs, GOPS), employment and hours worked: 1959-2006; investment: 1999-2007; capital stock: 1978-2007.</b> Detailed activities (INSEE 'G-level', 115 activities) - <b>1999-2006 - see notes below</b>

### Variables

PROD, PRDK	<i>At basic prices</i>
VALU, VALK	<i>At basic prices</i>
EMPN, EMPE	<i>Headcounts</i>
PRDK, VALK, INTK, GFCK	<i>Annually re-weighted chained Laspeyres</i>

### Industries

#### For all variables except Exports and Imports :

*Coke, refined petroleum products and nuclear fuel (23) includes Mining and quarrying of energy producing materials (10\_12)*

*Non-metallic mineral products (26) includes Mining and quarrying except energy producing materials (13\_14)*

*thus: Total manufacturing (15\_37) includes Mining and quarrying (10\_14)*

*Other business activities (74) includes Sewage and refuse disposal (90)*

*Other community, social and personal services (90\_93) includes Private households with employed persons (95)*

### Further notes

1. INSEE present national accounts by activity in tables with a hierarchy of 4 levels (D,E,F,G), based on their NAF classification, the most detailed (G) comprising of 115 activities.

2. *Financial intermediation services indirectly measured (FISIM* - formerly known as Imputed bank service charges) are now allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)

3. Official INSEE National Accounts by activity (F-level) are now (in 2008) available for years prior to 1978. Previously, estimates were required for these activities in STAN for 1970-77 - differences in data for these years compared with last version of STAN for France (2007) will therefore be apparent. Also, INSEE have made revisions to data for intermediate inputs, value added (and its components) up to and including 1996.

## UNITED KINGDOM - Country

### General

*Principal Source:*

*National website for NA tables:*

*Industrial classification used:*

*National reference year:*

*Availability of National Accounts by activity data from national sources:*

### Variables

PROD, VALU  
EMPN, EMPE

VALK

GFCF  
CPGK

### Industries

*"Other Community and Personal Service*

### Further notes

1. Latest ONS **Supply-Use tables**, 2008 flow matrices, published with the earlier the revised versions. See links below:

Latest SUTs:

Archived SUTs:

2. **Employment and employee jobs** (E which are figures as at June each year UK employee jobs estimated with GB d (GSTs) present in ISIC 75 and totals - r employed data.

3. UK **Value Added volumes (VALK)** f such as services, the "Output index" is aggregate industries are calculated using previous year are used as weights). To activities, including aggregates.

4. Source: "Capital Stocks, Capital Cor in STAN - more efforts required to inclu

## GREECE - Country notes

### General

Principal Source:	Statistics Greece
National website for NA tables:	<a href="http://www.statistics.gr/StatMenu_eng.asp">www.statistics.gr/StatMenu_eng.asp</a>
Industrial classification used:	NACE Rev. 1
National reference year:	2000
Coverage of national NA tables:	1995-2007: 2-digit NACE (A60 list)

### Variables

PROD, PRDK	<i>at basic prices</i>
VALU, VALK	<i>at basic prices</i>
EMPN, EMPE	<i>Headcounts</i>
PRDK, VALK, GFCK	<i>Annually re-weighted chained Laspeyres (see note 2. below)</i>

### Industries

### Further notes

1. For production, value added, labour costs and employment, data for 2001-2007 are provisional.
2. Pre-1995 estimates of value added volumes (VALK) are based on old **fixed weight Laspeyres** indices
3. *Financial intermediation services indirectly measured (FISIM - formerly known as Imputed bank service charges)* are now allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)

## HUNGARY - Country notes

### General

*Principal Source:* Hungarian Central Statistical Office (KSH)  
*National website for NA tables:* [http://portal.ksh.hu/portal/page?\\_pageid=38.253388&\\_dad=portal&\\_schema=PORTAL](http://portal.ksh.hu/portal/page?_pageid=38.253388&_dad=portal&_schema=PORTAL)  
*Industrial classification used:* NACE Rev. 1  
*National reference year:* 2000

*Availability of National Accounts by activity data from national sources:* A60 aggregates 2000-2007 provided to OECD in reply to official OECD/EuroStat SNA93/ESA95 data request. Earlier vintages of current price A60 data from Supply-Use tables (1991-1995 and 1995-2000)

*Any other figures, for earlier periods or more detailed activities (such as 3- or 4-digit ISIC), are Secretariat estimates - shaded grey in the tables. See also the data notes in STAN\_HUN\_M.XLS*

### Variables

PROD, PRDK *At basic prices*  
VALU, VALK *At basic prices*  
EMPN, EMPE *Headcounts*  
VALK, GFCK *Annually re-weighted chained Laspeyres*

### Industries

*Other Community and Personal Services (ISIC 90\_93) includes Private households with employed persons (ISIC 95)*

### Further notes

## IRELAND - Country notes

### General

*Principal Source:* Central Statistics Office (CSO)  
*National website for NA tables:* [www.cso.ie/releasespublications/pr\\_natacc.htm](http://www.cso.ie/releasespublications/pr_natacc.htm)  
*Industrial classification used:* NACE Rev. 1  
*National reference year:* 2006  
*Availability of National Accounts by activity data from national sources:* SNA latest revision: aggregate (A31) data 1995-2007 for current price Value Added and components and GFCF; Employment data from 1998. Value Added volumes available only for a very aggregate (A6) breakdown of activities.  
*Any other figures, for earlier periods or more detailed activities (such as 3- or 4-digit ISIC), are Secretariat estimates - shaded grey in the tables. See also the data notes in STAN\_IRL\_M.XLS*

### Variables

VALU, VALK *At basic prices*

### Industries

#### For all variables except exports and imports:

"Manufacturing n.e.c." (ISIC 36-37) includes "Coke, refined petroleum products and nuclear fuel" (ISIC 23)  
"Aircraft and Spacecraft" (ISIC 353) is included in "Railroad equipment and transport equipment n.e.c." (ISIC 352 + 359)

### Further notes

## ICELAND - Country notes

### General

*Principal Source:* Statistics Iceland  
*National website for NA tables:* [www.statice.is/Statistics/National-accounts-and-public-fin/Productional-approach](http://www.statice.is/Statistics/National-accounts-and-public-fin/Productional-approach)  
*Industrial classification used:* ÍSAT 95 - Icelandic Classification of Economic Activities  
*National reference year:* 2000

*Availability of National Accounts by activity data from national sources:* 1997-2007. Data based on earlier methodology: 1990-1997.

*Any other figures, for earlier periods or more detailed activities (such as 3- or 4-digit ISIC), are Secretariat estimates - shaded grey in the tables. See also the data notes in STAN\_ISL\_M.XLS*

### Variables

PROD *at basic prices*  
VALU, VALK *at basic prices*  
VALK *Annually re-weighted chained Laspeyres*  
EMPN *Headcounts. Data from Annual Labour Force Survey*

### Industries

**For all variables except exports and imports:**

*Non-metallic mineral products (ISIC 26) includes Mining and quarrying (ISIC 10-14)*

*Other community, social and personal services (ISIC 90-93) includes Private households with employed persons (ISIC 95)*

### Further notes

1. Data for 2007 are preliminary

## ITALY - Country notes

### General

Principal Source:	ISTAT
National website for NA tables:	<a href="http://www.istat.it/dati/dataset/20080328_00/">http://www.istat.it/dati/dataset/20080328_00/</a>
Industrial classification used:	NACE Rev. 1
National reference year:	2000
Coverage of national NA tables:	1970-2007 (detail from 1992)

### Variables

PROD, PRDK	At basic prices
VALU, VALK	At basic prices
INTI, INTK	At producer's prices
EMPN, EMPE	Headcounts
PRDK, INTK, VALK, GFCK	Annually re-weighted chained Laspeyres

### Industries

*Real estate activities* (ISIC 70) includes *Renting of Machinery and equipment* (ISIC 71)  
*Computer and related activities* (ISIC 72) includes *Research and development* (ISIC 73)

### Further notes

1. *Financial intermediation services indirectly measured* (FISIM - formerly known as Imputed bank service charges) are now allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)
2. *Major revisions to employment data from 1992 onwards*

## JAPAN - Country notes

### General

<i>Principal Source:</i>	Economic and Social Research Institute (ESRI), Cabinet Office, Government of Japan
<i>National website for NA tables:</i>	<a href="http://www.esri.cao.go.jp/en/sna/menu.html">http://www.esri.cao.go.jp/en/sna/menu.html</a>
<i>National industrial classification:</i>	Japan SIC 2002
<i>National base year:</i>	2000
	SNA93 tables: 43 activities for Value Added (current and constant prices), other measures - 26 activities; Value added, employment, hours worked - 1980-2006, other measures - 1990-2006.
<i>Coverage of national NA tables:</i>	SNA68 tables: 43 activities, 1970-1998; Input-Output Tables: 88 activities for current price Production, Value added and components, 1996-2005. (see also note 2. below)

### Variables

PROD, PRDK	<i>at producer's prices</i>
VALU, VALK	<i>at producer's prices</i>
EMPN, EMPE	<i>Number of jobs</i>
PRDK, VALK, INTK	<i>Annually re-weighted chained Laspeyres</i>

### Industries

*Rubber and Plastics (25) does not include plastics-*

*Manufacturing nec (36-37) includes plastics*

*Printing and publishing (22) does not include publishing/reproduction of recorded media*

*Motor vehicles; trailers and semi-trailers (ISIC 34) includes Motorcycles (ISIC 3591)*

*Wholesale and Retail Trade; Repairs (50-52) does not include repairs - these are included in related manufacturing sectors-*

*For example, auto repairs are included in Manufacture of Motor vehicles (34)*

*Hotels and Restaurants (55) are included in Other Community, Social and Personal Services (90-93)*

*Education (80) and Health (85) consist of non-market activities (government and private non-profit) only*

*Other Community, Social and Personal Services (90-93) includes Hotels and Restaurants (55), scientific research institutes, market education and health, and Private Households with Employed Persons (95)*

### Further notes

1. These tables are based on the latest **SNA93** National Accounts data, with a reference year of 2000 which are currently available from 1996. An earlier vintage of SNA93 data (available from 1980 for value added, employment and hours worked and from 1990 for other measures, base year = 1995) were used to generate estimates for earlier years - as were old SNA68 data, available for 1970-1998 with a base year of 1990. Information from I-O tables and the JIP database 2008 (see note 2. below) were used to provide estimates for detailed activities not present in SNA93 tables - particularly for services. Results from METI's annual manufacturing census (2002-2006 in JSIC 2002 and 1985-2003 in JSIC 1993) were used to estimate additional detail for manufactures for current price output and employment measures.

2. The Japan Industrial Productivity (JIP) Database 2008, which was compiled in a collaboration between the Research Institute of Economy, Trade and Industry (RIETI) and Hitotsubashi University, was used for certain measures as an input source into STAN estimation procedures with the kind permission of the authors: Professor Kyoji Fukao *et al.* The database covers the period 1970-2005, 107 economic activities and can be downloaded from:

[www.rieti.go.jp/en/database/JIP2008/index.html](http://www.rieti.go.jp/en/database/JIP2008/index.html)

3. **Investment** and **Capital Stock** tables by activity are not yet available from official SNA93 sources.

## KOREA - Country notes

### General

<i>Principal Source:</i>	Bank of Korea; Korean National Statistical Office
<i>National website for NA tables:</i>	<a href="http://ecos.bok.or.kr/EIndex_en.jsp">http://ecos.bok.or.kr/EIndex_en.jsp</a>
<i>Industrial classification used:</i>	ISIC Rev. 3
<i>National base year:</i>	2000
<i>Coverage of national NA tables:</i>	Production account: 77 activities, 1970-2007; Employment: main aggregates, A17, 1992-2007 (from OECD SNA93 database); GFCF main aggregates, A17, 1970-2006 (from OECD SNA93 database).

### Variables

PROD, PRDK	<i>At basic prices</i>
VALU, VALK	<i>At basic prices</i>
EMPN, EMPE	<i>Headcounts</i>
PRDK, INTK, VALK, GFCK	<i>Fixed-weight Laspeyres</i>

### Industries

1. *Financial intermediation services indirectly measured (FISIM* - formerly known as Imputed bank service charges) are allocated (to intermediate inputs) by activity, and hence deducted from **Value added** by activity.

### Further notes

1. Production, Value Added, Labour Costs and other VA components provided by Bank of Korea. Aggregate employment data originate from the Korean Statistical Office (namely the *Economically Active Population Survey*). Estimates of employment (EMPN and EMPE) for detailed manufacturing activities are based on monthly business survey data. However, it is difficult to reconcile employment estimates with detailed labour cost series provided by Bank of Korea – thus limited employment detail are provided.

## LUXEMBOURG - Country notes

### General

<i>Principal Source:</i>	Service central de la statistique et des études économiques (STATEC)
<i>National website for NA tables:</i>	<a href="http://www.statistiques.public.lu/stat/">www.statistiques.public.lu/stat/</a>
<i>Industrial classification used:</i>	NACE Rev. 1
<i>National reference year:</i>	2000
<i>Coverage of national NA tables:</i>	1995-2007

### Variables

PROD, PRDK	<i>At basic prices</i>
VALU, VALK	<i>At basic prices</i>
EMPN, EMPE	<i>Headcounts</i>
PRDK, VALK	<i>Annually re-weighted chained Laspeyres</i>

### Industries

"*Other business activities*" (ISIC 74) includes "*Research and development*" (ISIC 73)

### Further notes

1. *Financial intermediation services indirectly measured (FISIM* - formerly known as Imputed bank service charges) are now allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)

## NETHERLANDS - Country notes

### General

<i>Principal Source:</i>	Centraal Bureau voor de Statistiek, CBS
<i>National website for NA tables:</i>	<a href="http://statline.cbs.nl/StatWeb/start.asp?LA=en&amp;DM=SL&amp;IP=Search/Search">http://statline.cbs.nl/StatWeb/start.asp?LA=en&amp;DM=SL&amp;IP=Search/Search</a>
<i>Industrial classification used:</i>	NACE Rev. 1
<i>National reference year:</i>	2000
<i>Availability of National Accounts by activity data from national sources:</i>	Relatively aggregate manufactures, 2-digit NACE (ISIC) services for 1970-2007. See also note 3. below.  <i>Any other figures, for earlier periods or more detailed activities (such as 3- or 4-digit ISIC), are Secretariat estimates - shaded grey in the tables. See also the data notes in STAN_NLD_M.XLS</i>

### Variables

PROD, VALU, VALK	<i>At basic prices</i>
EMPN, EMPE	<i>Headcounts</i>
VALK, GFCK	<i>Annually re-weighted chained Laspeyres</i>
HRSN, HRSE	<i>Actual hours worked</i>

### Industries

### Further notes

1. For certain manufacturing sectors, particularly *Machinery and Equipment* (29-33), *Exports of Goods* exceeds *Production*. This reflects the volume of "transit trade" included in the trade figures (recent estimates suggest up to 40% of total exports are re-exports).
2. Figures for 2006-2007 are provisional.
3. CBS also provided 2-digit ISIC data to OECD in reply to the official OECD/Eurostat SNA93/ESA95 National Accounts questionnaire. Production account data: 1987-2007; Employment and hours worked: 2001-2007.

## NORWAY - Country notes

### General

Principal Source:	Statistics Norway (SSB)
National website for NA tables:	<a href="http://www.ssb.no/english/subjects/09/01/nr_en/">www.ssb.no/english/subjects/09/01/nr_en/</a>
Industrial classification used:	NACE Rev. 1
National reference year:	2000
Coverage of national NA tables:	Main activities on SSB website: 1970-2007; Detailed tables (STAN industry list) from SSB: 1970-2006

### Variables

PROD, PRDK	<i>At basic prices</i>
VALU, VALK	<i>At basic prices</i>
EMPN	<i>Headcounts</i>
PRDK, INTK, VALK, GFCK	<i>Annually re-weighted chained Laspeyres</i>

### Industries

1. Data for *Tobacco products* (ISIC 16) and *Coke, refined petroleum products and nuclear fuel* (ISIC 23) are confidential in Norway, and are not shown separately.

### Further notes

1. Data for 2007 are provisional.

## NEW ZEALAND - Country notes

### General

Principal Source:	Statistics New Zealand
National website for NA tables:	<a href="http://www.stats.govt.nz/products-and-services/info-releases/nat-accts-info-releases.htm">www.stats.govt.nz/products-and-services/info-releases/nat-accts-info-releases.htm</a>
Industrial classification used:	ANZSIC
National reference year:	Fiscal year (FY) 1995/96
Availability of National Accounts by activity data from national sources:	FY 1986/87 to FY 2004/05; to FY 2007/08 for value added volumes and employment aggregates. <b>(see note 3 below)</b> <i>Any other figures, for earlier periods or more detailed activities (such as 3- or 4-digit ISIC), are Secretariat estimates - shaded grey in the tables. See also the data notes in STAN_NZL_M.XLS</i>

### Variables

VALU, VALK	At Basic prices
VALK	Chained Laspeyres
EMPN, EMPE	Number of Jobs - <b>see further notes below</b>
CPNK	Productive Capital Stock

### Industries

*Other Community and Personal Services (90-93) includes Private Households with Employed Persons (95)*

### Further notes

1. For Production, Intermediate inputs, Value added and components, GFCF and Capital Stock, **data are for fiscal years beginning on the 1st April of the year indicated (e.g. 1998 represents April 1998 to March 1999)**
2. **Employment (EMPN, EMPE) data are from Quarterly Employment Survey (QES) and refer to the middle week of February each year. The survey does not cover agriculture and services to agriculture (01), commercial fishing (05), international sea transport (61 part), private households employing staff (95), residential property operators (70 part),** foreign government representation and non-civilian staff in Defence. The survey was redesigned in the August 1999 quarter and now covers all business locations with 0.5 or more full-time equivalent employees - previously, the survey included business employing more than 2.5 full-time equivalent employees.
3. With the latest National Accounts released towards the end of 2008 Statistics New Zealand state "... A number of series have not been updated for this release and remain as published in the annual National Accounts (Revised): Year ended March 2007. These series will be updated as part of the annual National Accounts: Year ended March 2009 release in November 2009". The tables not updated included those broken down by industry - hence the STAN tables are not as timely as one would expect.  
See: [Statistics NZ National Accounts tables](#)

## POLAND - Country notes

### General

<i>Principal Source:</i>	Polish Central Statistical Office
<i>National website for NA tables:</i>	<a href="http://www.stat.gov.pl/english/index.htm">http://www.stat.gov.pl/english/index.htm</a>
<i>Industrial classification used:</i>	PKD - Polska Klasyfikacja Dzialalnosci (NACE Rev. 1)
<i>National base year:</i>	2000
<i>Coverage of national NA tables:</i>	1995-2006: 2-digit NACE for GFCF, VALU, INTI, PROD; A31 2001-05 for employment; A17 for VA components. SUT data 2000-04: 2-digit NACE for PROD, VALU and components.

### Variables

PROD, VALU, VALK	<i>At basic prices</i>
VALK, GFCK	<i>Annually re-weighted chained Laspeyres</i>

### Industries

### Further notes

1. *Financial intermediation services indirectly measured (FISIM* - formerly known as Imputed bank service charges) are now allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)

## PORTUGAL - Country notes

### General

<i>Principal Source:</i>	Instituto Nacional de Estatística (INE)
<i>National website for NA tables:</i>	<a href="http://www.ine.pt/temas.asp?ver=eng&amp;temas=D">http://www.ine.pt/temas.asp?ver=eng&amp;temas=D</a>
<i>Industrial classification used:</i>	NACE Rev. 1
<i>National reference year:</i>	2000
<i>Coverage of national NA tables:</i>	Aggregate ISIC (A31 list) data for 1995-2006. 2-digit ISIC detail, 2000-2006, from Supply-Use tables for current price production, value added and components.

### Variables

PROD, VALU, VALK	<i>at basic prices</i>
EMPN, EMPE	<i>Headcounts</i>
VALK	<i>Annually re-weighted chained Laspeyres</i>

### Industries

#### **For all variables except Exports and Imports :**

*Coke, refined petroleum products and nuclear fuel (23) includes Mining and quarrying of energy producing materials (10\_12)*  
*Non-metallic mineral products (26) includes Mining and quarrying except energy producing materials (13\_14)*  
*thus: Total manufacturing (15\_37) includes Mining and quarrying (10\_14)*  
*"Aircraft and Spacecraft" (353) is included in "Railroad equipment and transport equipment n.e.c." (352 + 359)*  
*"Other Community and Personal Services" (ISIC 90\_93) includes "Private households with employed persons" (ISIC 95)*

### Further notes

1. Official national accounts compiled under ESA95 (SNA93) recommendations, with a NACE Rev.1 (ISIC Rev.3) activity breakdown, are currently available from 1995 only. Output and employment estimates for 1988 to 1994 are primarily based on INE "Base 1987" SNA68 national accounts data, while estimates for 1977 to 1987 are based on INE's "Base 1977" data.
2. *Financial intermediation services indirectly measured (FISIM* - formerly known as Imputed bank service charges) are now allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)

## SLOVAK REPUBLIC - Country notes

### General

*Principal Source:* Statistical Office of the Slovak Republic  
*National website for NA tables:* <http://portal.statistics.sk/showdoc.do?docid=7548>  
*Industrial classification used:* NACE Rev. 1  
*National reference year:* 2000  
*Coverage of national NA tables:* 1995-2006: 2-digit NACE (A60); aggregate (A17) data to 2007; Employment and Hours Worked: A60 data to 2007

### Variables

PROD, VALU *At basic prices*  
VALK *Annually re-weighted chained Laspeyres*

### Industries

### Further notes

## SWEDEN - Country notes

### General

*Principal Source:* Statistics Sweden (SCB)  
*National website for NA tables:* [www.scb.se/Pages/ProductTables\\_11052.aspx](http://www.scb.se/Pages/ProductTables_11052.aspx)  
*Industrial classification used:* NACE Rev. 1  
*National reference year:* 2000  
*Coverage of national NA tables:* Annual data: 1993-2006, mainly 2-digit NACE;  
Compatible quarterly data: Q1 1993 - Q3 2008 for value added, employment, hours worked and GFCF, A31 industry list.

### Variables

PROD, PRDK *At basic prices*  
VALU, VALK *At basic prices*  
EMPN *Headcounts, annual average*  
PRDK, INTK, VALK, GFCK, CPNK *Annually re-weighted chained Laspeyres aggregation*

### Industries

*Other Business Activities (74) includes Research and Development (73)*  
*Other Community and Personal Services (90\_93) includes Private households with employed persons (95)*

### Further notes

1. *Financial intermediation services indirectly measured (FISIM* - formerly known as Imputed bank service charges) are now allocated (to intermediate inputs) by activity, and hence deducted from Value added by activity, in line with Council Regulation (EC) no. 448/98 of 16th February completing and amending Regulation (EC) 2223/96 with respect to the allocation of FISIM within the European system of national and regional accounts (ESA)

## UNITED STATES - Country notes

### General

<i>Principal Source:</i>	Bureau of Economic Analysis (BEA)
<i>National website for NA tables:</i>	<a href="http://www.bea.gov/industry/">www.bea.gov/industry/</a>
<i>Industrial classification used:</i>	North American Industry Classification (NAICS)
<i>National reference year:</i>	2000
<i>Coverage of national NA tables:</i>	NAICS based estimates of Production, Value Added, Labour Costs, Gross Operating Surplus : 1987-2007; Employment measures: 1998-2007; GFCF and Net Capital Stock: 1970-2007. BEA provides additional NAICS based estimates back to 1947 for Value Added and number of employees.

### Variables

PROD, PRDK	<i>At market prices</i>
VALU, VALK	<i>At market prices</i>
PRDK, VALK, INTK, GFCK	<i>Annually re-weighted chained Fisher indices</i>
EMPE	<i>BEA's Full-Time and Part-Time Employees (FTPT). <b>Number of Jobs - underlying source is BLS's CES establishment survey.</b></i>
FTEN	<i>BEA's Persons Engaged in Production (PEP = FTE + number of self-employed)</i>
FTEE	<i>BEA's Full-Time Equivalent Employees (FTE)</i>
EMPN	<i>FTPT + (PEP - FTE)</i>

### Industries

For **all variables** (except exports and imports):

*Mining and Quarrying of energy producing materials* (10-12) concerns *oil and gas extraction only*  
*Mining and Quarrying except energy producing materials* (13-14) includes *coal and lignite mining* (10)  
*Printing and publishing* (22) includes *software publication* (ISIC 722part), but does not include *software reproduction*  
*Machinery and equipment, nec* (29) does not include *household appliances*  
*Electrical and optical equipment* (30-33) includes *software reproduction* (ISIC 223part)  
*Electrical machinery and apparatus, nec* (31) includes *household appliances* (ISIC 293)  
*Medical, precision and optical equipment* does not include *medical equipment and supplies*  
*Manufacturing, nec* (36-37) includes *medical equipment and supplies* (ISIC 3311)  
*Electricity, Gas and Water supply* (40-41) includes "sewerage systems" (ISIC 90part)  
*Wholesale and retail trade; repairs* (50-52) does not include maintenance and repairs  
*Other Business activities* (74) includes *research and development* (73) and *veterinary activities* (852)  
*Health and social work* (85) does not include *veterinary activities*  
*Other Community and Personal Services* (90-93) includes *maintenance and repairs* (ISIC 50part and 52part)  
*Other Community and Personal Services* (90-93) does not include "sewerage systems"

For **Investment, Post and Telecommunications** (64) does not include *postal services* (641) see note 4. below

### Further notes

1. BEA Annual Industry Accounts underwent major revisions during 2003 and 2004. Besides the use of new industry classification (NAICS), the main feature was the integration of BEA's annual input-output (I-O) tables and their GDP by industry accounts. One consequence of this is that there is no longer a statistical discrepancy between total GDP (based on expenditure) and total industry GDP. For further details concerning the revisions see BEA articles below:

[www.bea.gov/bea/ARTICLES/2004/03March/0304IndustryAcctsV3.pdf](http://www.bea.gov/bea/ARTICLES/2004/03March/0304IndustryAcctsV3.pdf)  
[www.bea.gov/bea/ARTICLES/2004/06June/0604GDP\\_Industry.pdf](http://www.bea.gov/bea/ARTICLES/2004/06June/0604GDP_Industry.pdf)  
[www.bea.gov/bea/ARTICLES/2004/11November/1104GDP\\_by\\_Indy.pdf](http://www.bea.gov/bea/ARTICLES/2004/11November/1104GDP_by_Indy.pdf)

2. *Financial intermediation services indirectly measured (FISIM)* - formerly known as Imputed bank service charges) are allocated (to intermediate inputs) by activity, and hence deducted from **Value added** by activity.

3. Where there is a many-to-one mapping from **BEA NAICS** activities to STAN ISIC Rev.3 activities, volumes (PRDK, VALK, INTK and GFCK) have been aggregated using annually re-weighted chained Fisher methodology to be consistent with US practice.

4. **Investment** data (GFCF and GFCK) include investment in software. "Public Administration and Defence" (ISIC 75) includes public investment in hospitals as well as investment in the U.S. postal service.