

Annex 1

*Statistical sources and some
methodological notes and information*

Statistical sources and some methodological notes and information

Data sources used in combining public and private expenditure on education

A. Financial data

A number of international data collections were used to calculate the total resources devoted to education. Furthermore for a number of countries, where additional was available, data was collected from national data sources.

I. Eurostat Harmonised Household Budget Survey

European Union Member States

The financial data on the expenditure of households on education was obtained directly from the Eurostat website.

http://epp.eurostat.ec.eu.int/portal/page?_pageid=1090,30070682,1090_30298591&_dad=portal&_schema=PORTAL

It is important to note that the data collected only covers the following countries for the three years where data from national household budget surveys has been harmonised:

- 10 Member States for 1988 (BE, DE, EL, ES, FR, IT, LU, NL, PT, and UK);
- 15 Member States for 1995;
- 15 Member States and 12 Candidate Countries (all except Turkey) for 1999;

II. UNESCO-OECD-Eurostat data collection on education systems

European Union Member States

The financial data on the expenditure of households on education was obtained directly from Eurostat.

Candidate countries

The financial data on the expenditure of households on education was obtained directly from Eurostat.

Norway and Iceland

The financial data on the expenditure of households on education was obtained directly from Eurostat.

Non-EU OECD Countries

The financial data on the expenditure of households on education was obtained directly from the OECD education –online database.

http://www1.oecd.org/scripts/cde/members/EDU_UOEAuthenticate.asp

III Continuing Vocational Training Surveys (1 and 2)

Data from the CVTS 1 and 2 was collected directly from Eurostat. The reference year for CVTS 1 was 1993 and for CVTS 2 was 1999. The following countries were covered in each survey:

CVTS 1 BE, DE, DK, ES, FR, EL, IE, IT, LU, NL, PT, UK

CVTS 2 BE, CZ, DE, DK, EE, ES, FR, EL, IE, IT, LV, LT, LU, HU, NL, AT, FI, PL, PT, SI, SE, UK

IV National Accounts

Final expenditure of households was extracted directly from the Eurostat website. The National Accounts collect data concerning household expenditure on education according to COICOP.

V. EU – Labour Cost Survey

Data were collected from the Eurostat website for the labour cost surveys with reference year 1996 and 2000.

http://epp.eurostat.cec.eu.int/portal/page?_pageid=1090.30070682,1090_30298591&_dad=portal&_schema=PORTAL

The following countries were covered in each survey

1996 BE, CZ, DK, DE, EL, ES, FR, IE, IT, LT, LU, NL, AT, PT, FI, SE, UK

2000 BE, CZ, DK, DE, EE, EL, ES, FR, IE, IT, CY, LV, LT, LU, HU, NL, AT, PL, PT, SI, SK, FI, SE, UK, BG, RO, IS, NO

III. National data sources

This study used the data collected on household spending on education collected in the 2005 study 'Private household spending on education and training'. In addition, the following data sources were also used to calculate total household spending on education:

Italy

ISTAT

- *I consumi delle famiglie*

France

Ministère éducation nationale enseignement supérieur recherché:

- *Le Compte de l'éducation et le compte de l'éducation supérieure*, 1993-1996
- *Le Compte de l'éducation et le compte de l'éducation supérieure*, 1994-1997
- *Le Compte de l'éducation et le compte de l'éducation supérieure*, 1997-2000
- *Le Compte de l'éducation et le compte de l'éducation supérieure*, 1998-2001

Japan

Ministry of Education (MEXT):

- *Education at a Glance*, 2004

<http://www.mext.go.jp/english/statist/04120801.htm>

Statistics Bureau – Family Income and Expenditure Survey (FIES)

<http://www.stat.go.jp/english/data/kakei/index.htm>

United Kingdom

National Statistics:

- *Family Spending - A report on the Family Expenditure Survey*, 1999 – 2000
- *Family Spending - A report on the Family Expenditure Survey*, 2000 – 2001
- *Family Spending - A report on the Expenditure and Food Survey*, 2001 – 2002
- *Family Spending - A report on the Expenditure and Food Survey*, 2002 – 2003
- *Family Spending - A report on the Expenditure and Food Survey*, 2003 – 2004

<http://www.statistics.gov.uk/STATBASE/Product.asp?vlnk=361>

United States of America

US Department of Labor, Bureau of Labor Statistics

- Consumer Expenditure Survey,

<http://www.bls.gov/cex/#data>

B Non-financial data on education

Data on the number of students according to the level of education (ISCED levels 1 – 6) was obtained from Eurostat's New Cronos reference database:

- Theme Population and Social conditions
- Domain Education
- Collection Education statistics based on ISCED 1997
- Table School enrolment ENRL1_TL = Number of students (full-time and part-time) by level of education, programme orientation, programme destination, sex and age Tertiary education graduates

C. Supplementary data

Households

The number of households are taken from Eurostat's New Cronos reference database:

- Theme Population and Social conditions
- Domain Living conditions and welfare
- Collection Income and living conditions
- Group Non-monetary poverty and social exclusion
- Table Number of private households (in 000s)

Population

Data on the total population was taken from Eurostat's New Cronos reference database:

- Theme Population and Social conditions
- Domain Population
- Collection Demography
- Group Population
- Table PJAN = Population by sex and age on 1. January of each year

Exchange rates

The exchange rates to convert national currencies and to convert former national currencies of Euro-zone countries into current EUR are obtained from Eurostat's New Cronos reference database:

- Theme Economy and Finance
- Domain Exchange rates and interest rates
- Collection Exchange rates
- Group Former euro-zone national currencies
- Group ECU/Euro exchange rates
- Table ECU/Euro exchange rates – Annual data
- Table Former euro-zone national currencies vs. euro/ECU
- Subject Former euro-zone national currencies
- Observation Annual data

Purchasing power standards

Purchasing power standards data are taken from Eurostat's New Cronos reference database:

- Theme Economy and Finance

- Domain Prices
- Collection Purchasing Power Parities
- Table Purchasing power parities (PPP) and comparative price level indices for the ESA95 aggregates
- Indicator PPP_25 Purchasing power parities (EU25=1)

GDP deflator

Data for the GDP deflator are taken from Eurostat's New Cronos reference database:

- Theme Economy and Finance
- Domain National accounts – Aggregates annual data
- Collection aggs_gdp GDP and main aggregates
- Table a_gdp_p GDP and main components - Price indices
- Unit cpi95_nac Price index, 1995=100, based on national currency (including 'euro fixed' series for euro-zone countries)
- Indicator b1gm Gross domestic product at market prices

Labour Cost Index

Data for the labour cost index were taken from Eurostat's New Cronos reference database:

- Theme Population and Social conditions
- Domain Earnings and Labour Costs
- Collection Labour Costs
- Table Labour Cost Index - Annual data

Indicators

Current EUR

Current EUR values are obtained for the Euro-zone by recalculating former national currency values on the basis of the fixed exchange rate.

Purchasing power standards (PPS)

Purchasing power standards are based on comparisons of the prices of representative and comparable goods or services recorded in the national currency of the country in question on a specific date. Thus monetary aggregates can be expressed in purchasing power standards – PPS - rather than EUR based exchange rates.

Variables collected to calculate total spending

Eurostat UOE data collection

The following data were collected from the FINANCE_1 table for all each level of education (ISCED 1 - 6):

Public expenditure on education

- G5 Expenditure of all levels of government combined for all types of institutions
- G5b of G5 designated for ancillary services
- G20 Expenditure for all levels of government combined

Expenditure of households on education

- H5 Payments to all types of institutions (net)
- H5b of H5 designated for ancillary services
- H18 Payments for educational goods and services other than to educational institutions
- H20 Total educational expenditure of all households

Expenditure of other private entities on education

- E5 Payments to all types of institutions
- E5b of E5 designated for ancillary services

Figures 5.1 shows the equivalence of the data being collected from the UOE data collection with the variable requirements for the study.

Figure 5.1: Equivalence of UOE variables for data on education

| UOE variables | Equivalence |
|----------------|--|
| G20 + H20 + E5 | Total public and private expenditure on education |
| G5 + H5 + E5 | Total public and private expenditure on educational institutions |
| C5 + R5 + L5 | Total public expenditure on educational institutions |
| F5 | International payments direct to educational institutions |
| H5 | Expenditure of households (tuition fees and other fees) |
| H5b | Of H5: which fees paid to institutions for ancillary services |
| H20 | Total expenditure of households on education |
| N5 | Total public and private expenditure on education institutions |

The same methodology was used for the data collected from the OECD education on-line database for Japan, and the United States of America.

Variables collected from national data household budget surveys

For the purpose of the study, the following variables were collected from national data household budget surveys:

- A.1 Total annual household expenditures on education
- A.1.2 Post-secondary non-tertiary education (Level 4 of ISCED 97: post-secondary non-tertiary education for adults and young people);
- A.1.3 Tertiary education (Levels 5 and 6 of ISCED -97: First and second stages of tertiary education);

Eurostat Harmonised Household Budget Survey

The following variables were collected from Eurostat's online database:

- Mean Consumption expenditure by detailed COICOP level in PPS
- Overall structure of consumption expenditure by detailed COICOP level (per thousand)

Estimating expenditure of enterprises on vocational training

The CVTS2 and the EU Labour Cost Survey (LCS) both collect data on vocational training costs of enterprises. Vocational training costs are defined as follows in both surveys

| Survey | Definitions |
|---------------|--|
| CVTS2 | These include: fees and payments to CVT providers and cost of external trainers; travel and subsistence payments; labour costs of internal trainers exclusively involved in managing and delivering training; labour costs of internal trainers partly involved in managing and delivering training; costs of premises; contributions to collective to collective funding agreements. |
| LCS | These include: expenditure on vocational training services and facilities; depreciation; small repairs and maintenance of buildings and installations; excluding staff costs; expenditure on participation in courses; the fees of instructors from outside the enterprise; expenditure on teaching aids and tools used for training; sums paid by the enterprise to vocational training organisations, etc. Subsidies linked to vocational training should be deducted. |

The coverage of NACE categories is not the same for both surveys. The CVTS2 covers enterprises whose activity is classified by NACE categories C to K and O, whereas the LCS covers all enterprises that are classified by NACE categories C to O. Therefore, in order to maintain coherence in the calculations, only NACE categories C to K were considered.

Given that the CVTS2 was conducted in 1999, and the last LCS for which data is disseminated is 2000, the expenditure on vocational training had to be projected forward. The following steps were applied:

- 1 Obtain an estimate of total costs of enterprises. Since the total labour costs that are collected in the CVTS2 exclude the cost of apprentices. A figure for total costs was taken from the LCS for NACE categories C to K. Thus the figure derived for the CVTS2 will be very rough;
- 2 Calculate the share of total costs spent on vocational training;
- 3 Project forward the total labour costs using the labour cost index up to 2005, subject to data availability;
- 4 Using the share of total costs spent on vocational training, which was calculated in step 2, calculate the share of total costs spent each year up to 2005 where this is possible.

Classifications

Classification of Individual Consumption by Purpose (COICOP-HBS)

This division covers educational services only. It does not include expenditures on educational materials, such as books (09.5.1) and stationery (09.5.4), or education support services, such as health care services (06), transport services (07.3), catering services (11.1.2) and accommodation services (11.2.0). It includes education by radio or television broadcasting.

The breakdown of educational services is based upon the level categories of the 1997 International Standard Classification of Education (ISCED-97) of the United Nations Educational, Scientific and Cultural Organisation (UNESCO).

10.1 Pre-primary and primary education

Levels 0 and 1 of ISCED 97: pre-primary and primary school.

It includes literacy programmes for students too old for primary school

10.2 Secondary education

Levels 2 and 3 of ISCED-97: lower-secondary and upper-secondary education.

It includes out-of-school secondary education for adults and young people

10.3 Post-secondary non-tertiary education

Level 4 of ISCED-97: post-secondary non-tertiary education.

It includes out-of-school post-secondary non-tertiary education for adults and young people

10.4 Tertiary education

Levels 5 and 6 of ISCED-97: first stage and second stage of tertiary education.

10.5 Education not definable by level

Educational programmes, generally for adults, which do not require any special prior instruction, in particular vocational training and cultural development.

Excludes: driving lessons (07.2.4); recreational training courses such as sport or bridge lessons given by independent teachers (09.4.1).

International Standard Classification of Education (ISCED)

Education systems of countries differ considerably not only in respect to their structures, but also in respect to their educational contents. It is often difficult to compare education systems of one country with those of another and draw useful lessons. ISCED-97 provides an improved set of definitions and criteria aiming to ensure international comparability in the classification of educational programmes by level and field of education. The levels under which educational programmes can be classified according to ISCED-97 are as follows:

Level 0 – Pre-primary education

Level 1 – Primary education or First stage of basic education

Level 2 – Lower secondary or Second stage of basic education

Level 3 – Upper secondary education

Level 4 – Post-secondary non-tertiary education

Level 5 – First stage of tertiary education (not leading directly to an advanced research qualification)

Level 6 – Second stage of tertiary education (leading to an advanced qualification)

ISCED level 5 – Educational programmes at this level are more advanced than those at ISCED levels 3 and 4. The programmes are offered in universities, colleges and similar institutions of higher education. There are a wide variety of educational programmes at this level, and also greater diversity in the mode of offering. It is not necessarily the case that all the educational programmes of universities or other such institutions are of level 5.

ISCED level 6 – This level is reserved for tertiary programmes which lead directly to an advanced research qualification, such as a doctoral degree. The programmes require advanced study and original research and may also often require course work.

Statistical Classification of Economic Activities in the European Community, Rev. 1

NACE Rev. 1.1 is the classification of economic activities corresponding to ISIC Rev.3 at European level. Though more disaggregated than ISIC Rev.3.1, NACE Rev.1.1 is totally in line with it and can thus be regarded as its European counterpart.

Since the national economic structures vary considerably, there are branches of industry in NACE Rev. 1.1 which are not of importance or do not occur in all Member States (e.g. branches of mining and quarrying, manufacture of spacecraft, etc.).

The NACE Rev. 1.1 Regulation allows the Member States to use a national version derived from NACE Rev. 1.1 for national purposes. Such national versions must, however, fit into the structural and hierarchical framework laid down by NACE Rev. 1.1.

| NACE | Name |
|-------------|--|
| C | Mining and quarrying |
| D | Manufacturing |
| E | Electricity, gas and water supply |
| F | Construction |
| G | Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods |
| H | Hotels and restaurants |
| I | Transport, storage and communication |
| J | Financial intermediation |
| K | Real estate, renting and business activities |
| L | Public administration and defence; compulsory social security |
| M | Education |
| N | Health and social work |
| O | Other community, social and personal service activities |
| P | Activities of households |
| Q | Extra-territorial organizations and bodies |

Definitions and concepts

Definitions of education benchmark indicators

Life-long learning indicator refers to persons aged 25 to 64 who answered they received education or training in the four weeks preceding the survey (numerator). The denominator consists of the total population of the same age group, excluding no answers to the question '*participation to education and training*'. Both the numerators and the denominators come from the European Union Labour Force Survey (EU LFS).

Life-long learning is computed on the basis of the variable 'participation in education and training in the last four weeks' from the EU Labour Force Survey. From 2004, this variable is derived from two variables 'participation in regular education' and 'participation in other taught activities'. Self learning activities are no longer covered.

Both the numerators and the denominators come from the European Union Labour Force Survey.

Youth education attainment level is defined as the percentage of young people aged 20-24 years having attained at least upper secondary education attainment level, i.e. with an education level ISCED 3a, 3b or 3c long minimum (numerator). The denominator consists of the total population of the same age group, excluding no answers to the questions 'highest level of education or training attained'.

Both the numerators and the denominators come from the European Union Labour Force Survey.

Early school leavers is the percentage of the population aged 18-24 with at most lower secondary education and not in further education or training. It refers to persons aged 18 to 24 in the following two conditions: the highest level of education or training attained is ISCED 0, 1, 2 or 3c short and respondents declared not having received any education or training in the four weeks preceding the survey (numerator). The denominator consist in the total population of the same age group, excluding no answers to the questions 'highest level of education or training attained' and 'participation to education and training'.

Both the numerators and the denominators come from the European Union Labour Force Survey.

Enrolments and graduates in mathematics, science and technology is calculated by dividing the number of graduates (of all ages) in the fields of science, mathematics and computing and engineering, manufacturing and construction by the population aged 20-29 and then multiplying by 1000.

Other definitions and concepts

Most of the concepts and definitions defined below are compatible with the UNESCO/OECD/Eurostat collection on education systems.

Highest level of education successfully completed (relevant for Early School Leavers and Education attainment)

Low educational level corresponds to codes 0, 1-2, 3c short of ISCED 97 classification (pre-primary, primary and lower secondary). Persons with no education (illiterate) are included in the code ISCED 0. The expression 'level successfully completed' must be associated with obtaining a certificate or a diploma, when there is a certification. In cases where there is no certification, successful completion must be associated with full attendance. When determining the highest level, both general and vocational education/training should be taken into consideration.

Lifelong learning refers to “*All learning activity undertaken throughout life, with the aim of improving knowledge skills and competencies with a personal, civic, social and/or employment-related perspective*”.

Fees paid to educational institutions by households consist of tuition fees and other fees charged for educational services (such as registration fees, laboratory fees, and charges for teaching materials) plus fees paid for lodging, meals, health services, and other welfare services furnished to students by the educational institutions.

Educational institutions are defined as entities that provide instructional services to individuals or education-related services to individuals and other educational institutions.

Central, regional and local government

The sections on government expenditure distinguish between different levels of government. All government sources (apart from international sources) should be classified in three levels:

- Central (national) government
- Regional government (province, state, Land, etc.)
- Local government (municipality, district, commune, etc.).

For EU countries the NUTS95 classification should be used to determine the level of government.

The terms “regional” and “local” apply to governments whose responsibilities are exercised within certain geographical subdivisions of a country. They do not apply to government bodies whose roles are not geographically circumscribed but are defined in terms of responsibility for particular services, functions, or categories of students.

International funds consist of funds from public multilateral organisations for development aid to education. These organisations include multilateral development banks (the World Bank and regional development banks), the United Nations agencies and other intergovernmental organisations, bilateral development co-operation government agencies and international NGO agencies established in the receiving country. International funds also include other foreign grants for R&D at tertiary institutions.

Other private entities include private businesses and non-profit organisations, including religious organisations; charitable organisations; and business and labour associations. It also includes expenditure by private companies on the work-based element of school and work-based training of apprentices and students.

Scholarships and grants

This category covers public scholarships and all kinds of similar public grants, such as fellowships, awards and bursaries for students. Government scholarships that are channelled through educational institutions for administrative purposes should still be reported as government transfers to students. In other words, a central government scholarship should be reported as expenditure by central government, regardless of whether the funds are paid directly to the student or to an educational institution on behalf of the student.

Direct payments by other private entities to educational institutions include such things as:

- Contributions or subsidies to vocational and technical schools by business or labour organisations;
- Payments by private companies to universities under contracts for research, training, or other services;
- Grants to educational institutions from non-profit organisations, such as private foundations;
- Charitable donations to educational institutions (other than from households);
- Rents paid by private organisations; and earnings from private endowment funds;

- Expenditure by private employers on the training of apprentices and other participants in mixed school- and work-based educational programmes

Current expenditure is expenditure on goods and services consumed within the current year, i.e., expenditure that needs to be made recurrently in order to sustain the production of educational services.

Capital expenditure is expenditure on assets that last longer than one year. It includes spending on construction, renovation and major repair of buildings and expenditure on new or replacement equipment.

Higher Education sector

The *Frascati Manual* defines the Higher Education sector as being composed of

“All universities, colleges of technology and other institutions of post-secondary education, whatever their source of finance or legal status. It also includes all research institutes, experimental stations and clinics operating under the direct control of or administered by or associated with higher education institutions”.

Levels of government:

All levels of government combined: All levels of government combined comprise the central, regional and local levels of government. They encompass all government sources with the exception of international sources.

Central level of government: The central level of government corresponds to the national level.

Regional level of government: The regional level of government corresponds, for instance, to a province, a state or a Land.

Local level of government: The local level of government corresponds, for instance, to a municipality, a district or a commune.

Sources of information for completing statistical gaps for the benchmark indicators

International

OECD

- Education at a Glance 2005
http://www.oecd.org/document/11/0,2340,en_2649_33723_35321099_1_1_1_1,00.htm
↓

UNESCO – UIS

- Global Education Digest 2005
<http://stats.uis.unesco.org/ReportFolders/reportfolders.aspx>

National

China

National Bureau of Statistics:

- Statistical Yearbook 2004;
- Statistical Yearbook 2003;
- Statistical Yearbook 2002;
- Statistical Yearbook 2001.

<http://www.stats.gov.cn/english/statisticaldata/yearlydata/>

India

Institute of Applied Manpower Research (IAMR), <http://www.ntmis.org/>

- ‘*Manpower Profile India Yearbook 2004*’

The yearbook can be purchased from DK agencies Ltd

<https://www.dkagencies.com/doc/from/1063/to/1123/bkId/DK825332171621120135434606771/details.html>

Department of Education

- Some statistics from the IAMR are reproduced in the Department of Education’s website:
<http://education.nic.in/htmlweb/iamrstat.htm>

The National Association of Software and Service Companies (NASSCOM)

<http://www.nasscom.org/>

University Grants Commission (UGC)

<http://www.ugc.ac.in/inside/statistics.html>

Department of Science and Technology, National Science and Technology Management information system reproduces data from the University Grants Commission

- S&T Data Book
<http://www.nstmis-dst.org/>

Centre for Organization Development

- 'Final Report on Women in Information Technology', December 2004
<http://nrcw.nic.in/shared/report/72.pdf>

Japan

Statistics Bureau of Japan

- Population Census
<http://www.stat.go.jp/english/data/kokusei/index.htm>
- Employment Status Survey (detailed data necessary for the indicators is not published on this website:
<http://www.stat.go.jp/english/data/shugyou/index.htm>

[NB: More detailed information in order to formulate the benchmark indicators has to be requested directly from the Statistics Bureau of Japan]

- Survey on Time Use and Leisure Activities:
<http://www.stat.go.jp/english/data/shakai/index.htm>

Web Japan reproduces some data from the Employment Status Survey of the Statistics Bureau of Japan partly corresponding to the indicator on at least upper secondary attainment:

- <http://web-japan.org/stat/>

USA

US Census Bureau

- Current Population Survey
<http://www.census.gov/population/www/socdemo/educ-attn.html>
<http://www.census.gov/population/www/socdemo/school.html>

US Department of Education, National Center for Education Statistics

- Data files (ASCII, SPSS, STATA, SAS – including setup files)
<http://nces.ed.gov/nhes/dataproducts.asp#2001dp>
- *'Participation in Adult Education and Lifelong Learning 2000 – 2001'* – data only relates to participation in adult education according to the national definition.
<http://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2004050>
- *'Digest of Education Statistics'* - data only relates to participation in adult education according to the national definition.
<http://nces.ed.gov/programs/digest/>

Annex 2

*Efficiency of total spending on education
institutions*

Efficiency of total spending on education institutions

Introduction

This annex presents tables showing the ranking of countries based on the efficiency of spending on education institutions in relation to benchmark indicators for the years 2000 to 2003.

The input that was chosen was total spending on education institutions as a percentage of GDP. The outputs for calculating the efficiency were the following:

- Share of the population aged 18 – 24 with only lower secondary education and not in education and training
- Percentage of those aged 20 -24 who have successfully completed at least upper secondary education (ISCED 3);
- Total number of tertiary (5A, 5B and 6) graduates from mathematics, science, and technology;
- Percentage of pupils with reading literacy level 1 and lower in the PISA reading literacy scale.

Unfortunately due to missing data, it was not possible to calculate the efficiency for all the countries, and subsequently their rank.

The efficiency scores were calculated using Data Envelopment Analysis (DEA)¹ for a one input – one output model. In other words, the efficiency score were calculated for spending on education in relation to each of the four benchmark indicators in turn. Once the ranking was obtained based on the efficiency scores, an average of the four or three ranks was calculated.

Section I presents the ranking of countries based on the efficiency scores

Section II presents the efficiency scores of countries for each of the benchmark indicators.

¹ The DEA model chosen was Variable Returns to Scale (VRS)

Section I
Ranking of countries based on efficiency
scores

Ranking of countries based on efficiencies scores (2000)

| Country | Educational attainment | Early school leavers | Maths, Science & Technology graduates | Reading literacy | Average |
|---------|------------------------|----------------------|---------------------------------------|------------------|---------|
| BE | 13 | 7 | 15 | : | : |
| CZ | 4 | : | 8 | 1 | : |
| DK | 20 | 6 | 13 | 14 | 13 |
| DE | 18 | 10 | 9 | 16 | 13 |
| EE | : | : | : | : | : |
| EL | 14 | 9 | : | : | : |
| ES | 22 | 16 | 11 | 12 | 15 |
| FR | 12 | 12 | 4 | 11 | 10 |
| IE | 11 | : | 1 | 6 | : |
| IT | 21 | 15 | 12 | 7 | 14 |
| CY | 15 | 14 | 23 | : | : |
| LV | 16 | : | 19 | 18 | : |
| LT | : | : | : | : | : |
| LU | : | : | : | : | : |
| HU | 10 | 1 | 22 | 1 | 9 |
| MT | 25 | 19 | 24 | : | : |
| NL | 19 | 5 | 20 | 5 | 12 |
| AT | 9 | 4 | 5 | 10 | 7 |
| PL | 6 | : | 21 | 17 | : |
| PT | 24 | 18 | 16 | : | : |
| SI | : | : | : | : | : |
| SK | 1 | : | 1 | : | : |
| FI | 5 | 1 | 6 | 1 | 3 |
| SE | 8 | 1 | 3 | 8 | 5 |
| UK | 17 | 13 | 7 | : | : |
| IS | 23 | 17 | 14 | 9 | 16 |
| LI | : | : | : | : | : |
| NO | 1 | 11 | 18 | 13 | 11 |
| BG | : | : | : | : | : |
| HR | : | : | : | : | : |
| RO | : | : | : | : | : |
| TR | : | : | : | : | : |
| MK | : | : | : | : | : |
| JP | 3 | : | 17 | 1 | : |
| US | 7 | 8 | 10 | 15 | 10 |

Ranking of countries based on efficiencies scores (2001)

| Country | Educational attainment | Early school leavers | Maths, Science & Technology graduates | Average |
|---------|------------------------|----------------------|---------------------------------------|---------|
| BE | 15 | 15 | 17 | 16 |
| CZ | 4 | : | 11 | : |
| DK | 16 | 5 | 14 | 12 |
| DE | 18 | 9 | 9 | 12 |
| EE | : | : | : | : |
| EL | 14 | 4 | : | : |
| ES | 23 | 19 | 8 | 17 |
| FR | 12 | 14 | 4 | 10 |
| IE | 7 | : | 1 | : |
| IT | 22 | 18 | 13 | 18 |
| CY | : | : | : | : |
| LV | 20 | : | 23 | : |
| LT | 13 | 12 | 10 | 12 |
| LU | 21 | 16 | | : |
| HU | 9 | 1 | 24 | 11 |
| MT | 26 | 22 | 25 | 24 |
| NL | 19 | 11 | 21 | 17 |
| AT | 11 | 8 | 6 | 8 |
| PL | 5 | 1 | 22 | 9 |
| PT | 25 | 21 | 19 | 22 |
| SI | : | : | : | : |
| SK | 1 | : | 1 | : |
| FI | 6 | 7 | 5 | 6 |
| SE | 8 | 10 | 1 | 6 |
| UK | 17 | 17 | 7 | 14 |
| IS | 24 | 20 | 16 | 20 |
| LI | : | : | | : |
| NO | 1 | 6 | 20 | 9 |
| BG | 1 | 1 | 15 | 6 |
| HR | : | : | : | : |
| RO | : | : | : | : |
| TR | : | : | : | : |
| MK | : | : | : | : |
| JP | : | : | 12 | : |
| US | 11 | 13 | 18 | 14 |

Ranking of countries based on efficiencies scores (2002)

| Country | Educational attainment | Early school leavers | Maths, Science & Technology graduates | Average |
|---------|------------------------|----------------------|---------------------------------------|---------|
| BE | 16 | 12 | 15 | 14 |
| CZ | 5 | 4 | 10 | 6 |
| DK | 18 | 6 | 16 | 13 |
| DE | 21 | 11 | 9 | 14 |
| EE | : | : | : | : |
| EL | 9 | 1 | : | : |
| ES | 24 | 24 | 7 | 18 |
| FR | 15 | 14 | | : |
| IE | 13 | 17 | 1 | 10 |
| IT | 23 | 22 | 12 | 19 |
| CY | : | : | : | : |
| LV | 22 | 20 | 23 | 22 |
| LT | 17 | : | 12 | : |
| LU | : | : | : | : |
| HU | 11 | 10 | 24 | 15 |
| MT | 27 | 26 | 25 | 26 |
| NL | 20 | 18 | 20 | 19 |
| AT | 12 | 7 | 5 | 8 |
| PL | 7 | 5 | 22 | 11 |
| PT | 26 | 25 | 16 | 22 |
| SI | 6 | 1 | 14 | 7 |
| SK | 1 | 1 | 6 | 3 |
| FI | 10 | 8 | 6 | 8 |
| SE | 8 | 9 | 1 | 6 |
| UK | 19 | 19 | 8 | 15 |
| IS | 25 | 23 | 18 | 22 |
| LI | : | : | : | : |
| NO | 1 | : | 21 | : |
| BG | 1 | 21 | 1 | 8 |
| HR | : | : | : | : |
| RO | : | : | : | : |
| TR | : | : | : | : |
| MK | : | : | : | : |
| JP | 1 | : | 11 | : |
| US | 14 | 13 | 19 | 15 |

Ranking of countries based on efficiencies scores (2003)

| Country | Educational attainment | Early school leavers | Maths, Science & Technology graduates | Reading literacy | Average |
|---------|------------------------|----------------------|---------------------------------------|------------------|---------|
| BE | 15 | 18 | 16 | : | : |
| CZ | 5 | 4 | 10 | 1 | 5.0 |
| DK | 20 | 10 | 15 | 11 | 14.0 |
| DE | 21 | 17 | 8 | 9 | 13.8 |
| EE | : | : | : | : | : |
| EL | 4 | 11 | : | : | 7.5 |
| ES | 24 | 26 | 7 | 19 | 19.0 |
| FR | 16 | 19 | 4 | 13 | 13.0 |
| IE | 10 | 15 | 1 | 4 | 7.5 |
| IT | 23 | 25 | 12 | 10 | 17.5 |
| CY | : | : | : | : | : |
| LV | 19 | 23 | 24 | 14 | 20.0 |
| LT | 14 | 12 | 14 | : | : |
| LU | 22 | 16 | 25 | 21 | 21.0 |
| HU | 12 | 13 | 26 | 7 | 14.5 |
| MT | 27 | 28 | 21 | : | : |
| NL | 18 | 20 | 6 | 6 | 12.5 |
| AT | 13 | 9 | 23 | 18 | 15.8 |
| PL | 7 | 5 | 17 | 12 | 10.3 |
| PT | 26 | 27 | 18 | 20 | 22.8 |
| SI | 6 | 1 | 11 | : | : |
| SK | 1 | 1 | 5 | 1 | 2.0 |
| FI | 11 | 7 | 1 | 1 | 5.0 |
| SE | 8 | 8 | 9 | 8 | 8.3 |
| UK | 17 | 22 | 22 | : | : |
| IS | 25 | 24 | : | 16 | 21.7 |
| LI | : | : | : | : | : |
| NO | 3 | : | 20 | 15 | 12.7 |
| BG | 1 | 21 | : | : | : |
| HR | : | : | : | : | : |
| RO | : | 1 | 1 | : | : |
| TR | : | : | : | : | : |
| MK | : | : | : | : | : |
| JP | : | : | 13 | 5 | : |
| US | 9 | 14 | 19 | 17 | 14.8 |

Section II

Efficiencies scores of countries

Efficiencies scores of countries (2000)

| Country | Educational attainment | | Country | Early school leavers | | Country | MST graduates | | Country | Reading literacy | |
|---------|------------------------|-----------|---------|----------------------|-----------|---------|----------------|-----------|---------|------------------|-----------|
| | Efficiency VRS | Benchmark | | Efficiency VRS | Benchmark | | Efficiency VRS | Benchmark | | Efficiency VRS | Benchmark |
| BE | 0.85 | SK, NO | BE | 0.96 | FI, SE | BE | 0.55 | IE | CZ | 1.00 | CZ |
| CZ | 0.96 | SK, NO | DK | 0.96 | FI, SE | CZ | 0.79 | IE, SK | DK | 0.88 | FI |
| DK | 0.73 | NO | DE | 0.95 | HU, FI | DK | 0.63 | IE | DE | 0.86 | FI, JP |
| DE | 0.79 | SK, NO | EL | 0.95 | HU | DE | 0.77 | IE | ES | 0.90 | FI |
| EL | 0.84 | SK, NO | ES | 0.80 | HU, FI | ES | 0.72 | IE | FR | 0.91 | FI |
| ES | 0.70 | SK, NO | FR | 0.94 | FI, SE | FR | 0.88 | IE | IE | 0.98 | FI, JP |
| FR | 0.86 | NO | IT | 0.84 | HU, FI | IE | 1.00 | NO | IT | 0.96 | CZ, JP |
| IE | 0.87 | SK, NO | CY | 0.88 | FR | IT | 0.67 | IE | LV | 0.75 | FI |
| IT | 0.73 | SK, NO | HU | 1.00 | FI, SE | CY | 0.34 | IE | HU | 1.00 | |
| CY | 0.83 | NO | MT | 0.51 | HU, FI | LV | 0.46 | IE | NL | 0.98 | FI, JP |
| LV | 0.81 | NO | NL | 0.96 | HU, FI | HU | 0.35 | IE | AT | 0.92 | FI |
| HU | 0.88 | SK, NO | AT | 0.98 | FI, SE | MT | 0.27 | IE | PL | 0.83 | FI |
| MT | 0.43 | SK, NO | PT | 0.63 | FI, SE | NL | 0.46 | IE | FI | 1.00 | FI |
| NL | 0.76 | SK, NO | FI | 1.00 | PT | AT | 0.87 | IE | SE | 0.94 | FI |
| AT | 0.89 | NO | SE | 1.00 | MT | PL | 0.43 | IE | IS | 0.92 | FI |
| PL | 0.92 | NO | UK | 0.89 | FI, SE | PT | 0.54 | IE | NO | 0.89 | FI |
| PT | 0.45 | NO | IS | 0.76 | SE | SK | 1.00 | BE | JP | 1.00 | ES |
| SK | 1.00 | MT | NO | 0.95 | FI, SE | FI | 0.81 | IE | US | 0.88 | FI |
| FI | 0.92 | SK, NO | US | 0.96 | FI, SE | SE | 0.89 | IE | | | |
| SE | 0.90 | NO | | | | UK | 0.81 | IE | | | |
| UK | 0.80 | SK, NO | | | | IS | 0.57 | IE | | | |
| IS | 0.48 | NO | | | | NO | 0.49 | IE | | | |
| NO | 1.00 | NO | | | | JP | 0.50 | IE | | | |
| JP | 0.97 | SK, NO | | | | US | 0.73 | IE | | | |
| US | 0.90 | NO | | | | | | | | | |

Efficiencies scores of countries (2001)

| Country | Educational attainment | | Country | Early school leavers | | Country | MST graduates | |
|---------|------------------------|-----------|---------|----------------------|-----------|---------|----------------|-----------|
| | Efficiency VRS | Benchmark | | Efficiency VRS | Benchmark | | Efficiency VRS | Benchmark |
| BE | 0.83 | SK, NO | BE | 0.94 | PL | BE | 0.59 | IE, SE |
| CZ | 0.96 | SK, NO | DK | 0.99 | PL | CZ | 0.78 | IE, SK |
| DK | 0.82 | SK, NO | DE | 0.98 | HU, PL | DK | 0.69 | SE |
| DE | 0.77 | SK, NO | EL | 0.99 | HU, BG | DE | 0.81 | IE, SE |
| EL | 0.85 | SK | ES | 0.80 | HU, PL | ES | 0.84 | IE, SE |
| ES | 0.68 | SK, NO | FR | 0.94 | PL | FR | 0.93 | IE, SE |
| FR | 0.85 | SK, NO | IT | 0.81 | HU, PL | IE | 1.00 | SE |
| IE | 0.89 | SK, NO | LT | 0.96 | HU, PL | IT | 0.70 | IE, SE |
| IT | 0.70 | SK, NO | LU | 0.92 | HU, PL | LV | 0.38 | IE, SE |
| LV | 0.73 | SK, NO | HU | 1.00 | MT | LT | 0.80 | IE, SE |
| LT | 0.85 | SK, NO | MT | 0.51 | HU, PL | HU | 0.32 | IE, SE |
| LU | 0.72 | SK, NO | NL | 0.96 | HU, PL | MT | 0.26 | IE, SE |
| HU | 0.89 | SK, NO | AT | 0.98 | PL | NL | 0.49 | IE, SE |
| MT | 0.42 | SK, NO | PL | 1.00 | UK | AT | 0.86 | IE, SE |
| NL | 0.76 | SK, NO | PT | 0.61 | PL | PL | 0.45 | IE, SE |
| AT | 0.88 | SK, NO | FI | 0.98 | HU, PL | PT | 0.53 | IE, SE |
| PL | 0.93 | SK, NO | SE | 0.97 | PL | SK | 1.00 | CZ |
| PT | 0.46 | SK, NO | UK | 0.90 | LU, PL | FI | 0.92 | IE, SE |
| SK | 1.00 | UK | IS | 0.75 | PL | SE | 1.00 | UK |
| FI | 0.91 | SK, NO | NO | 0.99 | PL | UK | 0.85 | IE, SE |
| SE | 0.89 | SK, NO | BG | 1.00 | BE | IS | 0.59 | SE |
| UK | 0.81 | SK, NO | US | 0.94 | PL | NO | 0.53 | IE, SE |
| IS | 0.48 | NO | | | | BG | 0.63 | IE, SK |
| NO | 1.00 | UK | | | | JP | 0.71 | IE, SE |
| BG | 1.00 | | | | | US | 0.55 | SE |
| US | 0.89 | SK, NO | | | | | | |

Efficiencies scores of countries (2002)

| Country | Educational attainment | | Country | Early school leavers | | Country | MST graduates | |
|---------|------------------------|-----------|---------|----------------------|-----------|---------|----------------|-----------|
| | Efficiency VRS | Benchmark | | Efficiency VRS | Benchmark | | Efficiency VRS | Benchmark |
| BE | 0.85 | NO | BE | 0.92 | SI | BE | 0.60 | IE, SE |
| CZ | 0.97 | SK, JP | CZ | 1.00 | SI, SK | CZ | 0.78 | IE, BG |
| DK | 0.84 | NO | DK | 0.96 | SI | DK | 0.59 | SE |
| DE | 0.78 | NO, JP | DE | 0.92 | SI, SK | DE | 0.85 | IE, SE |
| EL | 0.91 | SK, BG | EL | 1.00 | | ES | 0.89 | IE, SE |
| ES | 0.68 | JP | ES | 0.74 | SI, SK | IE | 1.00 | FI |
| FR | 0.86 | NO, JP | FR | 0.91 | SI, SK | IT | 0.75 | IE, SE |
| IE | 0.89 | SK, JP | IE | 0.90 | SI, SK | LV | 0.44 | IE, SE |
| IT | 0.73 | NO, JP | IT | 0.80 | SI, SK | LT | 0.75 | IE, SE |
| LV | 0.77 | NO, JP | LV | 0.85 | SI, SK | HU | 0.40 | IE, SE |
| LT | 0.84 | NO, JP | LT | 0.90 | SI, SK | MT | 0.29 | IE, SE |
| HU | 0.91 | NO, JP | HU | 0.93 | SI, SK | NL | 0.52 | IE, SE |
| MT | 0.41 | NO, JP | MT | 0.49 | SI, SK | AT | 0.95 | IE, SE |
| NL | 0.78 | NO, JP | NL | 0.90 | SI, SK | PL | 0.45 | IE, SE |
| AT | 0.90 | NO, JP | AT | 0.95 | SI, SK | PT | 0.59 | IE, SE |
| PL | 0.93 | NO, JP | PL | 0.97 | SI, SK | SI | 0.63 | SE |
| PT | 0.47 | NO, JP | PT | 0.58 | SI, SK | SK | 1.00 | |
| SI | 0.95 | NO | SI | 1.00 | | FI | 0.92 | IE, SE |
| SK | 1.00 | DK | SK | 1.00 | | SE | 1.00 | IS |
| FI | 0.91 | NO, JP | FI | 0.95 | SI, SK | UK | 0.86 | IE, SE |
| SE | 0.91 | NO | SE | 0.94 | SI | IS | 0.57 | SE |
| UK | 0.81 | NO, JP | UK | 0.86 | SI, SK | NO | 0.50 | IE, SE |
| IS | 0.51 | NO | IS | 0.75 | SI | BG | 1.00 | |
| NO | 1.00 | SK | NO | 0.90 | SI | JP | 0.76 | IE, SE |
| BG | 1.00 | BE | BG | 0.84 | SI, SK | US | 0.55 | SE |
| JP | 1.00 | PT | US | 0.92 | SI, SK | | | |
| US | 0.89 | NO, JP | | | | | | |

Efficiencies scores of countries (2003)

| Country | Educational attainment | | Country | Early school leavers | | Country | MST graduates | | Country | Reading literacy | |
|---------|------------------------|-----------|---------|----------------------|-----------|---------|----------------|-----------|---------|------------------|-----------|
| | Efficiency VRS | Benchmark | | Efficiency VRS | Benchmark | | Efficiency VRS | Benchmark | | Efficiency VRS | Benchmark |
| BE | 0.86 | SK | BE | 0.91 | SI, SK | BE | 0.64 | IE, SE | CZ | 1.00 | IE |
| CZ | 0.98 | SK | CZ | 0.99 | SK | CZ | 0.82 | IE, SE | DK | 0.89 | FI |
| DK | 0.78 | SK | DK | 0.94 | SI, SK | DK | 0.65 | SE | DE | 0.92 | CZ,FI |
| DE | 0.77 | SK | DE | 0.92 | SI, SK | DE | 0.88 | IE, SE | ES | 0.84 | FI |
| EL | 0.98 | SK, BG | EL | 0.94 | SK, RO | ES | 0.94 | IE, SE | FR | 0.87 | FI |
| ES | 0.66 | SK | ES | 0.72 | SK | FR | 0.97 | IE, SE | IE | 0.98 | CZ,FI |
| FR | 0.86 | SK | FR | 0.90 | SI, SK | IE | 1.00 | SE | IT | 0.89 | CZ,FI |
| IE | 0.91 | SK | IE | 0.92 | SI, SK | IT | 0.77 | IE, SE | LV | 0.87 | FI |
| IT | 0.74 | SK | IT | 0.80 | SI, SK | LV | 0.44 | IE, SE | LU | 0.82 | FI |
| LV | 0.79 | SK | LV | 0.86 | SI, SK | LT | 0.74 | IE, SE | HU | 0.93 | CZ,FI |
| LT | 0.87 | SK | LT | 0.93 | SI, SK | HU | 0.37 | IE, SE | NL | 0.94 | FI |
| LU | 0.75 | SK | LU | 0.92 | SI, SK | MT | 0.33 | IE, SE | AT | 0.85 | CZ,FI |
| HU | 0.90 | SK | HU | 0.92 | SI, SK | NL | 0.54 | IE, SE | PL | 0.88 | FI |
| MT | 0.46 | SK | MT | 0.54 | SI, SK | AT | 0.94 | IE, SE | PT | 0.83 | FI |
| NL | 0.79 | SK | NL | 0.90 | SI, SK | PL | 0.48 | IE, SE | SK | 1.00 | |
| AT | 0.89 | SK | AT | 0.95 | SI, SK | PT | 0.63 | IE, SE | FI | 1.00 | IS |
| PL | 0.94 | SK | PL | 0.98 | SI, SK | SI | 0.61 | IE, SE | SE | 0.92 | FI |
| PT | 0.51 | SK | PT | 0.62 | SI, SK | SK | 0.80 | IE, SE | IS | 0.86 | FI |
| SI | 0.96 | SK | SI | 1.00 | FI | FI | 0.96 | IE, SE | NO | 0.87 | FI |
| SK | 1.00 | NO | SK | 1.00 | FI | SE | 1.00 | NO | JP | 0.95 | CZ,FI |
| FI | 0.91 | SK | FI | 0.96 | SI | UK | 0.85 | IE, SE | US | 0.85 | FI |
| SE | 0.91 | SK | SE | 0.95 | SI | IS | 0.53 | UK | | | |
| UK | 0.83 | SK | UK | 0.87 | SI | NO | 0.60 | IE, SE | | | |
| IS | 0.54 | SK | IS | 0.80 | SI | RO | 1.00 | | | | |
| NO | 0.99 | SK | NO | 0.98 | SI | JP | 0.77 | IE, SE | | | |
| BG | 1.00 | BE | BG | 0.89 | SK, RO | US | 0.61 | SE | | | |
| US | 0.91 | SK | RO | 1.00 | CZ | | | | | | |
| | | | US | 0.92 | SI, SK | | | | | | |

Annex 3

*Calculations of internal efficiency – promotion,
dropout and repetition rates*

Internal efficiency

Promotion rate (PR)

This is the proportion of pupils who successfully completed a grade and proceeded to the next higher grade the following year. Thus, the promotion rate shows the relative size of the group who successfully moved to the next grade within an education program. One could, for example, say that 80% of Grade 1 pupils were promoted to Grade 2 within the primary school education program. The basic formula for calculating the promotion rate is given below:

$$\text{Promotion rate (grade } g, \text{ year } y) = \frac{\text{Number of promoted pupils to grade } g+1, \text{ year } y+1}{\text{Number of pupils in grade } g, \text{ year } y}$$

or

$$PR_g^y = \frac{E_{g+1}^{y+1} - R_{g+1}^{y+1}}{E_g^y}$$

where

| | |
|----|----------------|
| PR | Promotion rate |
| E | Enrolment |
| g | Grade |
| y | Year |
| R | Repeaters |

Repetition rate (RR)

This reflects the proportion of pupils who repeat a grade once or twice. The repetition rate of grade g , year y is obtained by dividing repeaters of grade g , year $y+1$, by enrolment in grade g , year y . A high repetition rate implies a high wastage ratio. A high repetition rate is associated with low internal efficiency. It blocks access to schooling for other children because the school spaces are taken up by repeaters rather than new students.

$$RR_g^y = \frac{E_g^{y+1}}{E_g^y}$$

where:

| | |
|------|------------------|
| RR | Repetition rate |
| g, y | as defined above |

Dropout rate (DR)

Dropout rate is the proportion of pupils who leave the system without completing a given grade in a given school year. This rate shows the extent to which pupils abandon school. High dropout rates imply high input/output ratios and hence lead to low internal efficiency.

The dropout rate is calculated as follows:

$$PR + RR + DR = 1$$

⇒

$$DR = 1 - PR - RR$$

ISCED level 3 A

Czech Republic

| Promotion rates | Grades | | | |
|-----------------|--------|------|------|------|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | 123.3 | 83.2 | 68.7 | 98.2 |
| 1999-2000 | 97.1 | 98.1 | 43.4 | : |
| 2000-2001 | 97.3 | 98.3 | 69.5 | : |
| 2001-2002 | 96.9 | 98.4 | 69.7 | : |
| 2002-2003 | 96.9 | 98.3 | 92.5 | : |

| Repetition rates | Grades | | | |
|------------------|--------|-----|-----|-----|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | 0.5 | 0.5 | 0.6 | 0.7 |
| 1999-2000 | 0.3 | 0.1 | 0.3 | : |
| 2000-2001 | 0.4 | 0.4 | 0.6 | : |
| 2001-2002 | 0.4 | 0.4 | 0.5 | : |
| 2002-2003 | 0.3 | 0.4 | 0.6 | : |

| Dropout rates | Grades | | | |
|---------------|--------|------|------|-----|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | -23.7 | 16.4 | 30.6 | 1.1 |
| 1999-2000 | 2.7 | 1.8 | 56.3 | : |
| 2000-2001 | 2.4 | 1.3 | 29.9 | : |
| 2001-2002 | 2.7 | 1.2 | 29.8 | : |
| 2002-2003 | 2.8 | 1.3 | 7.0 | : |

Source: Calculated by EU-RA based on data collected by Eurostat

Italy

| Promotion rates | Grades | | | | |
|-----------------|--------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 |
| 1998-1999 | 29.5 | 32.3 | 81.6 | 82.6 | 42.6 |
| 1999-2000 | 82.9 | 94.1 | 81.6 | 82.6 | : |
| 2000-2001 | 93.1 | 94.1 | 81.6 | 82.6 | : |
| 2001-2002 | 89.7 | 92.2 | 81.6 | 82.6 | : |
| 2002-2003 | 89.7 | 93.2 | 92.2 | 98.5 | : |

| Repetition rates | Grades | | | | |
|------------------|--------|-----|-----|-----|-----|
| | 1 | 2 | 3 | 4 | 5 |
| 1998-1999 | 5.4 | 4.7 | 5.4 | 3.4 | 1.5 |
| 1999-2000 | 5.4 | 4.9 | 5.2 | 3.1 | : |
| 2000-2001 | 4.8 | 3.8 | 4.5 | 3.2 | : |
| 2001-2002 | 4.0 | 3.7 | 4.0 | 2.5 | : |
| 2002-2003 | 4.1 | 3.7 | 4.4 | 2.8 | : |

| Dropout rates | Grades | | | | |
|---------------|--------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 |
| 1998-1999 | 65.1 | 63.0 | 13.0 | 14.0 | 55.9 |
| 1999-2000 | 11.7 | 1.0 | 13.2 | 14.3 | |
| 2000-2001 | 2.1 | 2.1 | 13.9 | 14.2 | |
| 2001-2002 | 6.3 | 4.1 | 14.4 | 14.9 | |
| 2002-2003 | 6.2 | 3.1 | 3.4 | -1.3 | 98.9 |

Source: Calculated by EU-RA based on data collected by Eurostat

Ireland

| Promotion rates | Grades | | |
|-----------------|--------|------|------|
| | 1 | 2 | 3 |
| 1998-1999 | : | 88.6 | 81.6 |
| 1999-2000 | : | 87.6 | 78.8 |
| 2000-2001 | : | 84.2 | 77.3 |
| 2001-2002 | : | 86.7 | 74.0 |
| 2002-2003 | : | 89.3 | 71.0 |

| Repetition rates | Grades | | |
|------------------|--------|-----|------|
| | 1 | 2 | 3 |
| 1998-1999 | : | 1.9 | 11.9 |
| 1999-2000 | : | 1.9 | 9.7 |
| 2000-2001 | : | 1.8 | 8.7 |
| 2001-2002 | : | 1.6 | 11.3 |
| 2002-2003 | : | 1.5 | 10.2 |

| Dropout rates | Grades | | |
|---------------|--------|------|------|
| | 1 | 2 | 3 |
| 1998-1999 | : | 9.5 | 6.5 |
| 1999-2000 | : | 10.5 | 11.5 |
| 2000-2001 | : | 14.1 | 14.0 |
| 2001-2002 | : | 11.7 | 14.7 |
| 2002-2003 | : | 9.1 | 18.8 |

Source: Calculated by EU-RA based on data collected by Eurostat

Latvia

| Promotion rates | Grades | | |
|-----------------|--------|-------|------|
| | 1 | 2 | 3 |
| 1998-1999 | : | : | : |
| 1999-2000 | 95.1 | 100.0 | 96.1 |
| 2000-2001 | 95.8 | 100.1 | 95.5 |
| 2001-2002 | 95.3 | 99.3 | 95.4 |
| 2002-2003 | 95.8 | 100.1 | : |

| Repetition rates | Grades | | |
|------------------|--------|-----|------|
| | 1 | 2 | 3 |
| 1998-1999 | : | : | : |
| 1999-2000 | 0.1 | 0.1 | 0.04 |
| 2000-2001 | 0.2 | 0.1 | 0.1 |
| 2001-2002 | 0.2 | 0.1 | 0.1 |
| 2002-2003 | 0.2 | 0.1 | 0.1 |

| Dropout rates | Grades | | |
|---------------|--------|-----|-----|
| | 1 | 2 | 3 |
| 1998-1999 | : | : | : |
| 1999-2000 | 4.8 | 0.0 | 3.9 |
| 2000-2001 | 4.0 | 0 | 4.5 |
| 2001-2002 | 4.5 | 0.6 | 4.5 |
| 2002-2003 | 4.0 | 0 | |

Source: Calculated by EU-RA based on data collected by Eurostat

Hungary

| Promotion rates | Grades | | | |
|-----------------|--------|------|------|------|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | 95.8 | 93.0 | 93.4 | 94.6 |
| 1999-2000 | 94.7 | 91.8 | 92.7 | 90.9 |
| 2000-2001 | 96.2 | 93.2 | 93.4 | 97.3 |
| 2001-2002 | : | 91.1 | 90.7 | : |
| 2002-2003 | : | : | : | : |

| Repetition rates | Grades | | | |
|------------------|--------|-----|-----|-----|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | 3.1 | 3.4 | 2.9 | 1.0 |
| 1999-2000 | 3.1 | 3.1 | 2.7 | 1.1 |
| 2000-2001 | 3.2 | 2.9 | 2.7 | 1.0 |
| 2001-2002 | 10.9 | 4.8 | 2.5 | : |
| 2002-2003 | : | : | : | : |

| Dropout rates | Grades | | | |
|---------------|--------|-----|-----|-----|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | 1.1 | 3.6 | 3.7 | 4.4 |
| 1999-2000 | 2.1 | 5.1 | 4.6 | 8.0 |
| 2000-2001 | 0.6 | 3.9 | 3.9 | 1.7 |
| 2001-2002 | : | 4.1 | 6.8 | : |
| 2002-2003 | : | : | : | : |

Source: Calculated by EU-RA based on data collected by Eurostat

Poland

| Promotion rates | Grades | | | |
|-----------------|--------|------|------|---|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | : | : | : | : |
| 1999-2000 | 91.7 | 96.4 | 81.6 | : |
| 2000-2001 | 91.6 | 96.7 | 81.6 | : |
| 2001-2002 | 92.1 | 96.1 | 81.6 | : |
| 2002-2003 | 73.1 | 96.0 | 81.6 | : |

| Repetition rates | Grades | | | |
|------------------|--------|-----|-----|---|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | : | : | : | : |
| 1999-2000 | 1.9 | 1.8 | 1.4 | : |
| 2000-2001 | 1.6 | 1.6 | 1.0 | : |
| 2001-2002 | 1.0 | 1.5 | 1.2 | : |
| 2002-2003 | 0 | 0.5 | 1.3 | : |

| Dropout rates | Grades | | | |
|---------------|--------|-----|------|---|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | : | : | : | : |
| 1999-2000 | 6.5 | 1.9 | 17.0 | : |
| 2000-2001 | 6.8 | 1.8 | 17.5 | : |
| 2001-2002 | 6.9 | 2.4 | 17.2 | : |
| 2002-2003 | 26.9 | 3.5 | 17.1 | : |

Source: Calculated by EU-RA based on data collected by Eurostat

Slovenia

| Promotion rates | Grades | | | |
|-----------------|--------|------|------|------|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | 94.4 | 94.9 | 81.6 | 92.6 |
| 1999-2000 | 93.1 | 93.7 | 81.6 | 94.7 |
| 2000-2001 | 90.8 | 91.0 | 81.6 | 95.6 |
| 2001-2002 | 92.4 | 93.0 | 81.6 | 96.1 |
| 2002-2003 | 93.0 | 94.0 | 81.6 | 95.9 |

| Repetition rates | Grades | | | |
|------------------|--------|-----|-----|-----|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | 3.8 | 4.2 | 2.1 | 0.3 |
| 1999-2000 | 4.0 | 4.0 | 2.1 | 0.5 |
| 2000-2001 | 4.1 | 4.7 | 2.5 | 1.0 |
| 2001-2002 | 3.8 | 3.4 | 2.1 | 0.6 |
| 2002-2003 | 3.3 | 3.1 | 2.0 | 0.5 |

| Dropout rates | Grades | | | |
|---------------|--------|-----|------|-----|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | 1.8 | 0.9 | 16.3 | 7.1 |
| 1999-2000 | 2.9 | 2.3 | 16.3 | 4.8 |
| 2000-2001 | 5.2 | 4.3 | 15.9 | 3.4 |
| 2001-2002 | 3.8 | 3.6 | 16.3 | 3.3 |
| 2002-2003 | 3.8 | 2.9 | 16.4 | 3.6 |

Source: Calculated by EU-RA based on data collected by Eurostat

Slovak Republic

| Promotion rates | Grades | | | |
|-----------------|--------|------|------|------|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | 99.1 | 98.8 | 81.6 | : |
| 1999-2000 | 97.9 | 98.5 | 81.6 | 99.0 |
| 2000-2001 | 96.1 | 96.7 | 81.6 | : |
| 2001-2002 | 97.9 | 95.7 | 81.6 | : |
| 2002-2003 | 97.1 | 98.0 | 81.6 | : |

| Repetition rates | Grades | | | |
|------------------|--------|-----|-----|-----|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | 0.2 | 0.4 | 0.3 | : |
| 1999-2000 | 0.3 | 0.2 | 0.4 | 0.2 |
| 2000-2001 | 0.2 | 0.3 | 0.3 | : |
| 2001-2002 | 0.2 | 0.2 | 0.4 | : |
| 2002-2003 | 0.2 | 0.2 | 0.2 | : |

| Dropout rates | Grades | | | |
|---------------|--------|-----|------|-----|
| | 1 | 2 | 3 | 4 |
| 1998-1999 | 0.7 | 0.8 | 18.1 | : |
| 1999-2000 | 1.8 | 1.2 | 18.0 | 0.8 |
| 2000-2001 | 3.7 | 3.0 | 18.1 | : |
| 2001-2002 | 1.9 | 4.1 | 18.0 | : |
| 2002-2003 | 2.7 | 1.8 | 18.2 | : |

Source: Calculated by EU-RA based on data collected by Eurostat

Annex 4

*Relationship between benchmark indicators and
spending on education - regressions statistics*

Introduction

A simple two variable regression was conducted in order to determine whether there is a relationship between expenditure on education as a percentage of GDP to each of four benchmark indicators (educational attainment, early school leavers, MST graduates, and reading literacy). The regression took the following simple linear form:

$$y_i = \alpha + \beta x_i + e_i$$

where:

x_i = expenditure as a percentage of GDP;

y_i = benchmark indicator (educational attainment, early school leavers, MST graduates, reading literacy of 15 year olds);

e_i = stochastic error;

i = BE, CZ, DK,.....UK

The regression results that follow show that care should be taken, since the statistical results showed for the regressions conducted, the independent variable x_i (expenditure as a percentage of GDP) is not significant at the five percent level for the regressions conducted on educational attainment of 20 to 24 year olds, reading literacy of 15 year olds, and MST graduates. This is not remedied if the variables are transformed by taking the logarithms of the variables. This could suggest that there is no relationship between expenditure as a percentage of GDP and each of the benchmark indicators. However, it is probably the case that there are other variables, which can explain the dependent variable have been omitted from the regression.

However, the independent variable x_i (expenditure as a percentage of GDP) is significant at the five percent level for the regression conducted on early school leavers. This indicates a relationship between expenditure as a percentage of GDP and the percentage of early school leavers.

Dependent variable:
Y = Ed attain

Characteristics:
Ed attain

First observation = 1
Last observation = 34
Number of usable observations: 32
Minimum value: 4.300000E+001
Maximum value: 9.410000E+001
Sample mean: 7.6796875E+001

X variables:

X(1) = (ISC 123) (public expenditure on primary and secondary education as a percentage of GDP)
X(2) = 1

Model:

$Y = b(1)X(1) + b(2)X(2) + U$, where U is the error term, satisfying $E[U|X(1),X(2)] = 0$.

OLS estimation results

| Parameters | Estimate (S.E.) | t-value (H.C. S.E.) | H.C. t-value (H.C. S.E.) |
|------------|-------------------------------------|----------------------------------|-----------------------------|
| b(1) | 2.75606 (3.25886) [0.39771] | 0.846 (4.37761) [0.52897] | 0.630 |
| b(2) | 66.86788 (11.90882) [0.00000] | 5.615 (15.93638) [0.00003] | 4.196 |

Notes:

- 1: S.E. = Standard error
- 2: H.C. = Heteroskedasticity Consistent. These t-values and standard errors are based on White's heteroskedasticity consistent variance matrix.
- 3: The two-sided p-values are based on the normal approximation.

Effective sample size (n): 31
Variance of the residuals: 198.21307
Standard error of the residuals (SER): 14.078816
Residual sum of squares (RSS): 5748.179033
(Also called SSR = Sum of Squared Residuals)
Total sum of squares (TSS): 5889.947097
R-square: 0.0241
Adjusted R-square: -0.0096

Jarque-Bera/Salmon-Kiefer test = 6.606427
Null hypothesis: The errors are normally distributed

Null distribution: Chi-square(2))
 p-value = 0.03676
 Significance levels: 10% 5%
 Critical values: 4.61 5.99
 Conclusions: reject reject

Breusch-Pagan test = 0.045963
 Null hypothesis: The errors are homoskedastic
 Null distribution: Chi-square(1)
 p-value = 0.83024
 Significance levels: 10% 5%
 Critical values: 2.71 3.84
 Conclusions: accept accept

Information criteria:
 Akaike: 5.35168E+00
 Hannan-Quinn: 5.38184E+00
 Schwarz: 5.44420E+00

If the model is correctly specified, in the sense that the conditional expectation of the model error U relative to the X variables equals zero, then the OLS parameter estimators $b(1), b(2)$, minus their true values, times the square root of the sample size n , are (asymptotically) jointly normally distributed with zero mean vector and variance matrix:

$$\begin{pmatrix} 3.29224585E+02 & -1.17565037E+03 \\ -1.17565037E+03 & 4.39642263E+03 \end{pmatrix}$$

provided that the conditional variance of the model error U is constant (U is homoskedastic), or

$$\begin{pmatrix} 5.94068414E+02 & -2.13530997E+03 \\ -2.13530997E+03 & 7.87301121E+03 \end{pmatrix}$$

if the conditional variance of the model error U is not constant (U is heteroskedastic).

Dependent variable:
Y = ESL

Characteristics:
ESL

First observation = 1
Last observation = 34
Number of usable observations: 32
Minimum value: 4.300000E+000
Maximum value: 5.300000E+001
Sample mean: 1.6609375E+001

X variables:

X(1) = (ISC 123) (public expenditure on primary and secondary education as a percentage of GDP)
X(2) = 1 (constant)

Model:

$Y = b(1)X(1) + b(2)X(2) + U$, where U is the error term, satisfying $E[U|X(1),X(2)] = 0$.

OLS estimation results

| Parameters | Estimate (S.E.) | t-value (H.C. S.E.) | t-value (H.C. S.E.) |
|------------|-----------------------|------------------------|------------------------|
| b(1) | -5.97328 (2.60575) | -2.292 (3.18519) | -1.875 (0.06075) |
| b(2) | 37.91426 (9.52219) | 3.982 (12.30605) | 3.081 (0.00206) |

Notes:

- 1: S.E. = Standard error
- 2: H.C. = Heteroskedasticity Consistent. These t-values and standard errors are based on White's heteroskedasticity consistent variance matrix.
- 3: The two-sided p-values are based on the normal approximation.

Effective sample size (n): 31
Variance of the residuals: 126.726682
Standard error of the residuals (SER): 11.257295
Residual sum of squares (RSS): 3675.073771
(Also called SSR = Sum of Squared Residuals)
Total sum of squares (TSS): 4341.001935
R-square: 0.1534
Adjusted R-square: 0.1242

Jarque-Bera/Salmon-Kiefer test = 12.095095
 Null hypothesis: The errors are normally distributed
 Null distribution: Chi-square(2))
 p-value = 0.00236
 Significance levels: 10% 5%
 Critical values: 4.61 5.99
 Conclusions: reject reject

Breusch-Pagan test = 3.538639
 Null hypothesis: The errors are homoskedastic
 Null distribution: Chi-square(1)
 p-value = 0.05995
 Significance levels: 10% 5%
 Critical values: 2.71 3.84
 Conclusions: reject accept

Information criteria:
 Akaike: 4.90437E+00
 Hannan-Quinn: 4.93453E+00
 Schwarz: 4.99689E+00

If the model is correctly specified, in the sense that the conditional expectation of the model error U relative to the X variables equals zero, then the OLS parameter estimators $b(1), b(2)$, minus their true values, times the square root of the sample size n , are (asymptotically) jointly normally distributed with zero mean vector and variance matrix:

2.10488336E+02 -7.51647056E+02
 -7.51647056E+02 2.81083407E+03

provided that the conditional variance of the model error U is constant (U is homoskedastic), or

3.14507675E+02 -1.20113372E+03
 -1.20113372E+03 4.69460394E+03

if the conditional variance of the model error U is not constant (U is heteroskedastic).

Dependent variable:
Y = PISA

Characteristics:
PISA

First available observation = 1
Last available observation = 34
First chosen observation = 2
Last chosen observation = 34
Number of usable chosen observations: 19

Subsample characteristics:
Minimum value: 5.7000000E+000
Maximum value: 2.5200000E+001
Sample mean: 1.8205263E+001

X variables:

X(1) = ISC(12) (public expenditure on primary and lower secondary education as a percentage of GDP)
X(2) = 1 (constant)

Model:

$Y = b(1)X(1) + b(2)X(2) + U$, where U is the error term, satisfying $E[U|X(1),X(2)] = 0$.

OLS estimation results

| Parameters | Estimate | t-value | H.C. t-value |
|------------|------------------------------------|----------------------------------|--------------|
| | (S.E.) | (H.C. S.E.) | |
| | [p-value] | [H.C. p-value] | |
| b(1) | -2.20780 (2.24955) [0.32638] | -0.981 (1.81919) [0.22489] | -1.214 |
| b(2) | 23.56921 (5.97368) [0.00008] | 3.946 (5.17089) [0.00001] | 4.558 |

Notes:

- 1: S.E. = Standard error
- 2: H.C. = Heteroskedasticity Consistent. These t-values and standard errors are based on White's heteroskedasticity consistent variance matrix.
- 3: The two-sided p-values are based on the normal approximation.

Effective sample size (n): 18
Variance of the residuals: 23.933243
Standard error of the residuals (SER): 4.892161
Residual sum of squares (RSS): 382.93189
(Also called SSR = Sum of Squared Residuals)
Total sum of squares (TSS): 405.985
R-square: 0.0568

Adjusted R-square: -0.0022

Jarque-Bera/Salmon-Kiefer test = 4.524967
Null hypothesis: The errors are normally distributed
Null distribution: Chi-square(2)
p-value = 0.10409
Significance levels: 10% 5%
Critical values: 4.61 5.99
Conclusions: accept accept

Breusch-Pagan test = 0.426007
Null hypothesis: The errors are homoskedastic
Null distribution: Chi-square(1)
p-value = 0.51395
Significance levels: 10% 5%
Critical values: 2.71 3.84
Conclusions: accept accept

Information criteria:
Akaike: 3.27971E+00
Hannan-Quinn: 3.29335E+00
Schwarz: 3.37864E+00

If the model is correctly specified, in the sense that the conditional expectation of the model error U relative to the X variables equals zero, then the OLS parameter estimators $b(1), b(2)$, minus their true values, times the square root of the sample size n , are (asymptotically) jointly normally distributed with zero mean vector and variance matrix:

9.10885795E+01 -2.37336354E+02
-2.37336354E+02 6.42326300E+02

provided that the conditional variance of the model error U is constant (U is homoskedastic), or

5.95702519E+01 -1.65371869E+02
-1.65371869E+02 4.81286766E+02

if the conditional variance of the model error U is not constant (U is heteroskedastic).

Dependent variable:
Y = MST

Characteristics:
MST

First observation = 1
Last observation = 35
Number of usable observations: 33
Minimum value: 3.300000E+000
Maximum value: 2.420000E+001
Sample mean: 1.012424E+001

X variables:

X(1) = (ISC 5/6) (public expenditure on higher education as a percentage of GDP)
X(2) = 1 (constant)

Model:

$Y = b(1)X(1) + b(2)X(2) + U$, where U is the error term, satisfying $E[U|X(1),X(2)] = 0$.

OLS estimation results

| Parameters | Estimate (S.E.) | t-value (H.C. S.E.) | t-value (H.C. S.E.) |
|------------|-----------------------------------|---------------------------------|------------------------|
| b(1) | 2.81748 (1.86831) [0.13155] | 1.508 (1.29112) [0.02910] | 2.182 |
| b(2) | 7.14512 (2.38954) [0.00279] | 2.990 (1.95466) [0.00026] | 3.655 |

Notes:

1: S.E. = Standard error

2: H.C. = Heteroskedasticity Consistent. These t-values and standard errors are based on White's heteroskedasticity consistent variance matrix.

3: The two-sided p-values are based on the normal approximation.

Effective sample size (n): 31
Variance of the residuals: 25.348343
Standard error of the residuals (SER): 5.034714
Residual sum of squares (RSS): 735.101937
(Also called SSR = Sum of Squared Residuals)
Total sum of squares (TSS): 792.748387
R-square: 0.0727
Adjusted R-square: 0.0407

Jarque-Bera/Salmon-Kiefer test = 13.156475

Null hypothesis: The errors are normally distributed
 Null distribution: Chi-square(2)
 p-value = 0.00139
 Significance levels: 10% 5%
 Critical values: 4.61 5.99
 Conclusions: reject reject

Breusch-Pagan test = 0.430472
 Null hypothesis: The errors are homoskedastic
 Null distribution: Chi-square(1)
 p-value = 0.51176
 Significance levels: 10% 5%
 Critical values: 2.71 3.84
 Conclusions: accept accept

Information criteria:
 Akaike: 3.29505E+00
 Hannan-Quinn: 3.32521E+00
 Schwarz: 3.38757E+00

If the model is correctly specified, in the sense that the conditional expectation of the model error U relative to the X variables equals zero, then the OLS parameter estimators $b(1), b(2)$, minus their true values, times the square root of the sample size n , are (asymptotically) jointly normally distributed with zero mean vector and variance matrix:

1.08207877E+02 -1.28104164E+02
 -1.28104164E+02 1.77007144E+02

provided that the conditional variance of the model error U is constant (U is homoskedastic), or

5.16770362E+01 -6.99068668E+01
 -6.99068668E+01 1.18441789E+02

if the conditional variance of the model error U is not constant (U is heteroskedastic).

Characteristics:

MST

First observation = 1
Last observation = 35
Number of usable observations: 33
Minimum value: 3.300000E+000
Maximum value: 2.420000E+001
Sample mean: 1.012424E+001

X variables:

X(1) = Total (public expenditure on all levels of education as a percentage of GDP)
X(2) = 1 (constant)

Model:

$Y = b(1)X(1) + b(2)X(2) + U$, where U is the error term, satisfying $E[U|X(1),X(2)] = 0$.

OLS estimation results

| Parameters | Estimate | t-value | H.C. | t-value |
|------------|-----------|-----------|----------|---------|
| | (S.E.) | (H.C. | S.E.) | |
| | [p-value] | [H.C. | p-value] | |
| b(1) | 0.77611 | 1.045 | 1.349 | |
| | (0.74242) | (0.57549) | | |
| | [0.29585] | [0.17746] | | |
| b(2) | 6.34974 | 1.565 | 1.864 | |
| | (4.05768) | (3.40613) | | |
| | [0.11761] | [0.06229] | | |

Notes:

- 1: S.E. = Standard error
- 2: H.C. = Heteroskedasticity Consistent. These t-values and standard errors are based on White's heteroskedasticity consistent variance matrix.
- 3: The two-sided p-values are based on the normal approximation.

Effective sample size (n): 31
Variance of the residuals: 26.343438
Standard error of the residuals (SER): 5.132586
Residual sum of squares (RSS): 763.959716
(Also called SSR = Sum of Squared Residuals)
Total sum of squares (TSS): 792.748387
R-square: 0.0363
Adjusted R-square: 0.0031

Jarque-Bera/Salmon-Kiefer test = 11.038512
Null hypothesis: The errors are normally distributed
Null distribution: Chi-square(2))
p-value = 0.00401

Significance levels: 10% 5%
Critical values: 4.61 5.99
Conclusions: reject reject

Breusch-Pagan test = 0.547711
Null hypothesis: The errors are homoskedastic
Null distribution: Chi-square(1)
p-value = 0.45925
Significance levels: 10% 5%
Critical values: 2.71 3.84
Conclusions: accept accept

Information criteria:
Akaike: 3.33356E+00
Hannan-Quinn: 3.36372E+00
Schwarz: 3.42608E+00

If the model is correctly specified, in the sense that the conditional expectation of the model error U relative to the X variables equals zero, then the OLS parameter estimators $b(1), b(2)$, minus their true values, times the square root of the sample size n , are (asymptotically) jointly normally distributed with zero mean vector and variance matrix:

$$\begin{pmatrix} 1.70867323E+01 & -9.09455109E+01 \\ -9.09455109E+01 & 5.10408254E+02 \end{pmatrix}$$

provided that the conditional variance of the model error U is constant (U is homoskedastic), or

$$\begin{pmatrix} 1.02667454E+01 & -5.86337668E+01 \\ -5.86337668E+01 & 3.59653835E+02 \end{pmatrix}$$

if the conditional variance of the model error U is not constant (U is heteroskedastic).

Annex 5

*Summary tables of expenditure on education from
public and private sources (2000 to 2004) for all
ISCED levels*

Introduction

This annex presents summary tables of data collected of public and private expenditure on education from a number of data sources including:

- UNESCO/OECD/Eurostat data collection on education systems;
- Eurostat Continuing Vocational Training Survey (CVTS);
- Eurostat Labour Cost Survey (LCS);
- Eurostat National Accounts (NA);
- National Household Budget Surveys (HBS).

Abbreviations

UNESCO/OECD/Eurostat collection on education systems

| | |
|----------------|---|
| G5 | Government expenditure on all types of institutions |
| G20 | Total expenditure on education for all levels of government combined |
| H5 | Expenditure of households on all types of institutions |
| H20 | Total household expenditure on education |
| E5 | Payments of other private entities on educational institutions |
| G5b | Of G5: which direct expenditure designated for ancillary services |
| H5b | Of H5: which fees paid to institutions for ancillary services |
| E5b | Of E5: which fees paid to institutions for ancillary services |
| E5-E5b | |
| R&D | Expenditure on research and development in institutions of higher education |

Other sources

| | |
|-------------|--|
| HBS | Data derived from national Household Budget Surveys |
| NA | Eurostat National Accounts |
| CVTS | Data estimated from Eurostat Continuing Vocational Training Survey |
| LCS | Data estimated from Eurostat Labour Cost Survey |

Data

| | |
|----|----------------|
| : | Missing data |
| na | Not applicable |
| n | nil |

Summary table of data collected (2000)

Currency: Mio national currency

| UNESCO/OECD/Eurostat collection on education systems | | | | | | | | | | | | | | | HBS | NA | CVTS | LCS |
|--|----------|----------|---------|---------|--------|--------|----------|---------|--------|----------|----------|-------|---------|--------|-----------|---------|---------|---------|
| Country | G5 | G20 | H5 | H20 | E5 | G5b | G5 - G5b | G20-G5b | H5b | H5-H5b | H20-H5b | E5b | E5-E5b | R&D | | | | |
| BE | 12371 | 12918 | 469 | 1366 | 318 | : | : | : | 742 | -273 | 624 | : | : | 1103.4 | 1383.4 | 635.8 | 384.3 | 444.4 |
| CZ | 82030 | 86869 | : | 6116 | 3052 | : | 82030 | 86869 | 6116 | : | 0 | 15516 | -12464 | 3537.4 | 4172.9 | 6517.0 | 5165.5 | 3878.9 |
| DK | 82529 | 107272 | 970 | 28184 | : | : | 82529 | 107272 | 3442 | -2472 | 24742 | : | : | 5767 | 1760 | 4652.0 | 10884.5 | 2069.3 |
| DE | 86325 | 91950 | xr P4 | 5307 | 12924 | 1680 | 84645 | 90270 | xr P5 | xr P6 | xr P7 | : | 12924 | 8145.9 | 2257.7 | 7890.0 | 5429.8 | 2590.6 |
| EE | 5402 | 5821 | : | : | : | : | 5402 | 5821 | : | : | : | : | : | : | 451.1 | 625.1 | 308.5 | 199.2 |
| EL | 4546 | 4617 | 285 | 1307 | : | : | 4546 | 4617 | 301 | -16 | 1006 | : | : | 287.6 | 1386.5 | 1321.4 | 0.0 | 21.3 |
| ES | 26281 | 26990 | 2666 | 3525 | 248 | 515 | 25766 | 26475 | 3525 | -859 | 0 | na | na | : | 3204.1 | 6423.0 | 791.7 | 639.8 |
| FR | 78731 | 81940 | 2103 | 8634 | 1460 | 6880 | 71851 | 75060 | 5332 | -3229 | 3302 | na | na | 457.3 | 4774.2 | 4774.2 | 3182.4 | 5447.4 |
| IE | 4200.8 | 4483.6 | 288.9 | 288.9 | 29.0 | : | 4200.8 | 4483.6 | 0 | 288.9473 | 288.9473 | : | 28.9607 | 237.9 | 329.9 | 444.7 | : | 152.9 |
| IT | 51840 | 54160 | 2177 | 9169 | 648 | 1941 | 49899 | 52219 | 4547 | -2370 | 4622 | : | : | : | 7445.7 | 6824.5 | : | 651.5 |
| CY | 280 | 309 | 141 | 143 | 6 | 0 | 280 | 309 | 143 | -2 | 0 | : | 6 | 3.5 | : | : | : | 7.3 |
| LV | 243 | 255 | 18 | 62 | 9 | xr:G5 | : | : | 26 | -8 | 36 | n | n | 7.9 | 18.6 | 54.1 | 6.3 | 2.9 |
| LT | 2585 | 2699 | : | : | : | xr:G5 | : | : | : | : | : | : | : | : | 8.5 | 201.1 | 35.9 | 34.7 |
| LU | : | : | : | : | : | : | : | : | : | : | 0 | : | : | : | : | 37.0 | 59.5 | 59.1 |
| HU | 581146 | 597825 | : | 32977 | 44293 | 61131 | 520015 | 536694 | 32977 | : | 0 | 15926 | 28367 | 23049 | : | 80122.0 | 11052.8 | 48433.8 |
| MT | 65 | 72 | 8 | 15 | 0 | 0 | 65 | 72 | 8 | : | 7 | : | : | : | : | 14.0 | : | : |
| NL | 17016 | 19432 | 893 | 2122 | 660 | 136 | 16880 | 19296 | 1173 | -280 | 949 | n | : | 1959.1 | 2232.1 | 1161.0 | : | 2000.1 |
| AT | 11118.7 | 11911.5 | 285.9 | 285.9 | 400.0 | xr:G5 | : | : | xr:H5 | : | : | xr:E5 | xr:E5 | : | 248.5 | 557.9 | 4004.4 | 359.9 |
| PL | 36156.6 | 36260.4 | : | : | : | 1304.5 | 34852.1 | 34955.9 | : | : | : | : | : | : | 3993.7 | 6757.7 | 41.6 | 1.5 |
| PT | 6482 | 6632 | : | 244 | : | : | : | : | 94 | : | 150 | : | : | : | 629.88 | 922.0 | 174.2 | 88.0 |
| SI | : | : | : | : | : | : | : | : | : | : | : | : | : | : | 45519.3 | 22005.5 | 9823.1 | 10368.8 |
| SK | 36578 | 36862 | : | 3554 | 950 | 3569 | 33009 | 33293 | 425 | : | 3129 | : | : | 606.7 | 2004 | 3258.0 | 0.0 | 1824.9 |
| FI | 7142 | 7790 | xr:P4 | xr:P5 | xr:P5 | 555 | 6587 | 7235 | xr:P5 | xr:P5 | xr:P5 | xr:E5 | xr:E5 | 789.3 | : | 298.0 | 436.9 | 363.5 |
| SE | 137305 | 162313 | 71 | 25106 | 4208 | na | na | na | 98 | -27 | 25008 | na | na | 0 | : | 2396.0 | 9979.0 | 9451.6 |
| UK | 40931 | 41920 | 5993 | 6792 | 1139 | : | : | : | 5993 | : | 799 | : | : | 3633 | 6864 | 9534.0 | 8844.3 | 8441.3 |
| IS | 37821 | 39731 | 3089 | 5089 | : | : | 37821 | 39731 | 3709 | -620 | 1380 | : | 0 | : | : | 4265.7 | : | 0 |
| NO | 88077 | 100175 | 566 | 786 | 545 | n | n | n | 578 | -12 | 208 | n | n | : | : | 2980.0 | : | 2956.0 |
| BG | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | 150.3 | : | : |
| RO | 2247.7 | 2319.9 | : | 203.27 | : | : | 0.2 | 0.2 | 203.27 | -203.27 | : | : | : | : | : | 494.6 | : | 377.7 |
| TR | 4182.3 | 4316.3 | 58.6 | 58.6 | : | 142.9 | 4039.4 | 4173.4 | 16.5 | 42.1 | 42.1 | : | : | : | : | : | : | : |
| JP | 17920218 | 18271844 | 5274725 | 9593659 | 621349 | : | : | : | : | : | : | : | : | : | 7780845.9 | : | : | : |
| US | 457914 | 476984 | 118176 | 131358 | 94985 | : | : | : | : | : | : | : | : | : | 69119.9 | : | : | : |

Currency: Euro

| UNESCO/OECD/Eurostat collection on education systems | | | | | | | | | | | | | | | | HBS | NA | CVTS | LCS |
|--|----------|----------|----------|----------|----------|-------|----------|---------|--------|--------|---------|-------|--------|--------|---------|---------|---------|---------|-----|
| Country | G5 | G20 | H5 | H20 | E5 | G5b | G5 - G5b | G20-G5b | H5b | H5-H5b | H20-H5b | E5b | E5-E5b | R&D | | | | | |
| BE | 12371 | 12918 | 469 | 1366 | 318 | : | : | : | 742 | -273 | 624 | : | : | 1103.4 | 635.8 | 384.3 | 444.4 | | |
| CZ | 2304.3 | 2440.2 | : | 171.8 | 85.7 | 0.0 | 2304.3 | 2440.2 | 171.8 | : | 0.0 | 435.9 | -350.1 | 99.4 | 117.2 | 183.1 | 105.2 | | |
| DK | 11072.1 | 14391.6 | 130.1 | 3781.2 | 0.0 | 0.0 | 11072.1 | 14391.6 | 461.8 | -331.6 | 3319.4 | : | : | 773.7 | 236.1 | 624.1 | 2069.3 | | |
| DE | 86325 | 91950 | xr P4 | 5307 | 12924 | 1680 | 84645 | 90270 | xr P5 | xr P6 | xr P7 | : | 12924 | 8145.9 | 2257.7 | 7890.0 | 5429.8 | | |
| EE | 345.3 | 372.0 | : | : | : | 0 | 345.3 | 372.0 | : | : | : | : | : | 0.0 | 28.8 | 40.0 | 12.7 | | |
| EL | 4546 | 4617 | 285 | 1307 | : | 0 | 4546 | 4617 | 301 | -16 | 1006 | : | : | 287.6 | 1386.5 | 1337.4 | 21.3 | | |
| ES | 26281 | 26990 | 2666 | 3525 | 248 | 515 | 25766 | 26475 | 3525 | -859 | 0 | na | na | 0.0 | 3204.1 | 6423.0 | 639.8 | | |
| FR | 78731 | 81940 | 2103 | 8634 | 1460 | 6880 | 71851 | 75060 | 5332 | -3229 | 3302 | na | na | 457.3 | 4774.2 | 3182.4 | 5447.4 | | |
| IE | 4200.8 | 4483.6 | 288.9 | 288.9 | 29.0 | 0 | 4200.8 | 4483.6 | 0 | 288.9 | 288.9 | : | 29.0 | 237.9 | 329.9 | 444.7 | 152.9 | | |
| IT | 51840 | 54160 | 2177 | 9169 | 648 | 1941 | 49899 | 52219 | 4547 | -2370 | 4622 | : | : | 0 | 7445.7 | 6824.5 | 651.5 | | |
| CY | 487.9 | 538.4 | 245.7 | 249.2 | 10.5 | 0.0 | 487.9 | 538.4 | 249.2 | -3.5 | 0.0 | : | 10.5 | 6.1 | 0.0 | : | 12.6 | | |
| LV | 434.5 | 456.0 | 32.2 | 110.9 | 16.1 | xr:G5 | : | : | 46.5 | -14.3 | 64.4 | n | n | 14.1 | 33.2 | 96.7 | 4.7 | | |
| LT | 699.6 | 730.4 | : | : | : | xr:G5 | : | : | : | : | : | : | : | : | 2.3 | 54.4 | 9.7 | 8.1 | |
| LU | | | | | | | | | | | | | | | | 37.0 | 59.5 | 59.1 | |
| HU | 2234.8 | 2299.0 | : | 126.8 | 170.3 | 235.1 | 1999.8 | 2063.9 | 126.8 | : | | 61.2 | 109.1 | 88.6 | | 308.1 | 42.5 | 191.6 | |
| MT | 160.9 | 178.2 | 19.8 | 37.1 | 0.0 | 0.0 | 160.9 | 178.2 | 19.8 | | 17.3 | | | 0.0 | | 34.7 | : | : | |
| NL | 17016 | 19432 | 893 | 2122 | 660 | 136 | 16880 | 19296 | 1173 | -280 | 949 | n | n | 1959.1 | 2232.1 | 1161.0 | 2000.1 | | |
| AT | 11118.7 | 11911.5 | 285.9 | 285.9 | 400.0 | xr:G5 | : | : | xr:H5 | : | : | xr:E5 | xr:E5 | 0 | 248.5 | 557.9 | 359.9 | | |
| PL | 9020.7 | 9046.6 | : | : | : | 325.5 | 8695.2 | 8721.1 | : | : | : | : | : | 0.0 | 996.4 | 1686.0 | 10.4 | 0.4 | |
| PT | 6482 | 6632 | : | 244 | : | : | : | : | 94 | : | 150 | : | : | 0 | 629.88 | 922.0 | 174.2 | 88.0 | |
| SI | | | | | | | | | | | | | | | 220.3 | 106.5 | 47.5 | 53.3 | |
| SK | 858.6 | 865.3 | : | 83.4 | 22.3 | 83.8 | 774.8 | 781.5 | 10.0 | : | 73.4 | na;: | na;: | 14.2 | 47.0 | 76.5 | 0.0 | 41.4 | |
| FI | 7142 | 7790 | xr:P4 | xr:P5 | xr:P5 | 555 | 6587 | 7235 | xr:P5 | xr:P5 | xr:P5 | xr:E5 | xr:E5 | 789.3 | | 298.0 | 436.9 | 363.5 | |
| SE | 16258.3 | 19219.6 | 8.4 | 2972.8 | 498.3 | na | na | na | 11.6 | -3.2 | 2961.2 | na | na | 0.0 | 0.0 | 283.7 | 1181.6 | 1073.1 | |
| UK | 67157.2 | 68779.9 | 9833.0 | 11143.9 | 1868.8 | : | : | : | 9833.0 | 0.0 | 1311.0 | : | : | 5960.8 | 11262.1 | 15642.8 | 14511.2 | 12814.3 | |
| IS | 521.1 | 547.4 | 42.6 | 70.1 | 0.0 | 0.0 | 521.1 | 547.4 | 51.1 | -8.5 | 19.0 | : | : | | | 58.8 | : | 0.0 | |
| NO | 10856.4 | 12347.6 | 69.8 | 96.9 | 67.2 | n | n | n | 71.2 | -1.5 | 25.6 | n | n | | | 367.3 | : | 355.7 | |
| BG | | | | | | | | | | | | | | | | 77.0 | : | : | |
| RO | 1128 | 1165 | | 102 | | | 0 | 0 | 102 | -102 | | | | | | 248.3 | : | 231.0 | |
| TR | 7276 | 7509 | 102 | 102 | : | 249 | 7027 | 7260 | 29 | 73 | 73 | : | : | | | : | : | : | |
| JP | 180157.0 | 183692.0 | 53028.3 | 96447.8 | 6246.6 | | | | | | | | | | 78223.0 | : | na | na | |
| US | 495792.6 | 516440.0 | 127951.5 | 142223.9 | 102842.1 | | | | | | | | | | 74837.5 | : | na | na | |

Currency: Mio PPS

| UNESCO/OECD/Eurostat collection on education systems | | | | | | | | | | | | | | | | | | |
|--|----------|----------|----------|----------|---------|--------|----------|---------|--------|---------|---------|-------|---------|---------|--------|---------|---------|---------|
| Country | G5 | G20 | H5 | H20 | E5 | G5b | G5 - G5b | G20-G5b | H5b | H5-H5b | H20-H5b | E5b | E5-E5b | R&D | HBS | NA | CVTS | LCS |
| BE | 11807.2 | 12329.3 | 447.6 | 1303.7 | 303.5 | : | : | : | 708.2 | -260.6 | 595.6 | : | : | 1053.1 | 1320.3 | 607.3 | 366.8 | 424.1 |
| CZ | 5016.5 | 5312.4 | : | 374.0 | 186.6 | 0.0 | 5016.5 | 5312.4 | 374.0 | : | 0.0 | 948.9 | -762.2 | 216.3 | 255.2 | 398.9 | 315.9 | 237.2 |
| DK | 8632.2 | 11220.2 | 101.5 | 2947.9 | 0.0 | 0.0 | 8632.2 | 11220.2 | 360.0 | -258.6 | 2587.9 | : | : | 603.2 | 184.1 | 487.0 | 1138.5 | 216.4 |
| DE | 77338.3 | 82377.7 | : | 4754.5 | 11578.6 | 1505.1 | 75833.2 | 80872.6 | xr P5 | xr P6 | xr P7 | : | 11578.6 | 7297.9 | 2022.7 | 7074.6 | 4864.5 | 2320.9 |
| EE | 657.1 | 708.1 | : | : | : | 0.0 | 657.1 | 708.1 | : | : | : | : | : | : | 54.9 | 76.1 | 37.5 | 24.2 |
| EL | 5839.5 | 5930.7 | 366.1 | 1678.9 | : | 0.0 | 5839.5 | 5930.7 | 386.6 | -20.6 | 1292.2 | : | : | 369.5 | 1781.0 | 1698.8 | 0.0 | 27.4 |
| ES | 31138.2 | 31978.2 | 3158.7 | 4176.5 | 293.8 | 610.2 | 30528.0 | 31368.0 | 4176.5 | -1017.8 | 0.0 | na | na | 3796.3 | 7616.5 | 938.1 | 758.1 | |
| FR | 75649.1 | 78732.4 | 2020.7 | 8296.0 | 1402.8 | 6610.7 | 69038.4 | 72121.8 | 5123.3 | -3102.6 | 3172.7 | na | na | 439.4 | 4591.2 | 3057.9 | 5234.1 | |
| IE | 3874.7 | 4135.6 | 266.5 | 266.5 | 26.7 | 0.0 | 3874.7 | 4135.6 | 0.0 | 266.5 | 266.5 | : | 26.7 | 219.5 | 304.3 | 410.5 | : | 141.0 |
| IT | 56432.5 | 58958.1 | 2369.9 | 9981.3 | 705.4 | 2113.0 | 54319.6 | 56845.1 | 4949.8 | -2580.0 | 5031.5 | : | : | 0.0 | 8105.3 | 7435.3 | : | 709.2 |
| CY | 556.0 | 613.6 | 280.0 | 283.9 | 11.9 | 0.0 | 556.0 | 613.6 | 283.9 | -4.0 | 0.0 | : | 11.9 | 6.9 | 0.0 | : | : | 14.4 |
| LV | 862.6 | 905.2 | 63.9 | 220.1 | 31.9 | xr:G5 | : | : | 92.3 | -28.4 | 127.8 | n | n | 28.0 | 65.9 | 192.2 | 22.4 | 10.4 |
| LT | 1512.4 | 1579.1 | : | : | : | xr:G5 | : | : | : | : | : | : | : | : | 4.9 | 117.8 | 21.0 | 20.3 |
| LU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | : | : | : | : | : | : | 33.0 | 53.0 | 52.6 |
| HU | 4755.3 | 4891.8 | : | 269.8 | 362.4 | 500.2 | 4255.1 | 4391.6 | 269.8 | : | : | 130.3 | 232.1 | 188.6 | 656.2 | 90.4 | 396.3 | |
| MT | 233.6 | 258.7 | 28.7 | 53.9 | 0.0 | 0.0 | 233.6 | 258.7 | 28.7 | : | 25.2 | : | : | : | 50.4 | : | : | |
| NL | 16183.8 | 18481.7 | 849.3 | 2018.2 | 627.7 | 129.3 | 16054.5 | 18352.3 | 1115.6 | -266.3 | 902.6 | n | n | 1863.3 | 2122.9 | 1105.2 | : | 1902.3 |
| AT | 10696.8 | 11459.6 | 275.1 | 275.1 | 384.8 | xr:G5 | : | : | xr:H5 | : | : | xr:E5 | xr:E5 | 239.1 | 537.2 | 3852.5 | 346.2 | |
| PL | 17454.5 | 17504.6 | : | : | : | 629.8 | 16824.7 | 16874.9 | : | : | : | : | : | 1927.9 | 3265.0 | 20.1 | 0.7 | |
| PT | 8762.8 | 8965.6 | : | 329.9 | : | : | : | : | 127.1 | : | 202.8 | : | : | 851.5 | 1247.5 | 235.6 | 119.0 | |
| SI | : | : | : | : | : | : | : | : | : | : | : | : | : | 308.2 | 149.1 | 66.5 | 70.2 | |
| SK | 2001.0 | 2016.5 | : | 194.4 | 52.0 | 195.2 | 1805.7 | 1821.3 | 23.2 | : | 171.2 | na;: | na;: | 33.2 | 109.6 | 178.4 | 0.0 | 99.8 |
| FI | 6414.6 | 6996.6 | xr:P4 | xr:P5 | xr:P5 | 498.5 | 5916.1 | 6498.1 | xr:P5 | xr:P5 | xr:P5 | xr:E5 | xr:E5 | 708.9 | 267.9 | 392.4 | 326.4 | |
| SE | 13135.7 | 15528.2 | 6.8 | 2401.8 | 402.6 | na | na | na | 9.4 | -2.6 | 2392.5 | na | na | 229.4 | 954.7 | 904.2 | | |
| UK | 56897.9 | 58272.7 | 8330.8 | 9441.5 | 1583.3 | : | : | : | 8330.8 | 0.0 | 1110.7 | : | : | 5050.2 | 9541.6 | 13264.4 | 12294.4 | 11734.2 |
| IS | 400.0 | 420.2 | 32.7 | 53.8 | 0.0 | : | 400.0 | 420.2 | 39.2 | -6.6 | 14.6 | : | : | 291.0 | 244.7 | : | 288.4 | |
| NO | 8592.9 | 9773.2 | 55.2 | 76.7 | 53.2 | n | n | n | 56.4 | -1.2 | 20.3 | n | n | : | 244.7 | : | 288.4 | |
| BG | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
| RO | 3142.3 | 3243.3 | : | 284.2 | : | : | 0 | 0 | 284 | -284 | : | : | : | 692.0 | : | : | 528.0 | |
| TR | 13574 | 14009 | 190 | 190 | : | 464 | 13110 | 13545 | 54 | 137 | 137 | : | : | : | : | : | : | : |
| JP | 101788.8 | 103786.0 | 29961.0 | 54493.0 | 3529.3 | x | x | x | x | x | x | : | : | 44196.0 | : | na | na | |
| US | 402887.6 | 419666.0 | 103975.1 | 115573.0 | 83570.9 | : | : | : | x | x | x | : | : | 60814.0 | : | na | na | |

Summary table of data collected (2001)

Currency: Mio national currency

| UNESCO/OECD/Eurostat collection on education systems | | | | | | | | | | | | | | | HBS | NA | CVTS | LCS |
|--|-----------|-----------|----------|----------|----------|----------|-----------|-----------|---------|--------|---------|---------|----------|---------|---------|---------|---------|---------|
| Country | G5 | G20 | H5 | H20 | E5 | G5b | G5 - G5b | G20-G5b | H5b | H5-H5b | H20-H5b | E5b | E5-E5b | R&D | | | | |
| BE | 14904.17 | 15530.76 | 792.57 | 1423.70 | 337.18 | | 14904.17 | 15530.76 | 397.7 | 394.8 | 1026.0 | n | | 1059.5 | 1465.9 | 741.0 | 403.5 | 466.6 |
| CZ | 90913.10 | 96274.40 | 4942.40 | 4942.40 | 3366.80 | | 90913.10 | 96274.40 | 2841.1 | 2101.3 | 2101.3 | 21.7 | 3345.1 | : | 4486.5 | 6085.0 | 5591.0 | 4246.0 |
| DK | 90419.00 | 112677.00 | 3666.00 | 26654.00 | n | | 90419.00 | 112677.00 | | 3666.0 | 26654.0 | 49980.0 | | 5935.0 | 1968.0 | 4641.0 | 11371.7 | 2162.4 |
| DE | 88564.01 | 94778.07 | xr:P3 | 5369.79 | 12799.61 | 1741.95 | 86822.06 | 93036.12 | | xr:P3 | 5369.8 | n | | 8524.0 | 2749.1 | 8080.0 | 5565.5 | 2655.3 |
| EE | 5283.00 | 5717.00 | : | : | : | | 5283.00 | 5717.00 | | : | : | : | | : | 579.1 | 821.1 | 347.6 | 224.5 |
| EL | 5011.20 | 5120.69 | 307.25 | 311.29 | : | | 5011.20 | 5120.69 | | 307.2 | 311.3 | : | | 256.5 | 1452.2 | 1322.4 | | |
| ES | 28048.59 | 28819.71 | 3639.35 | 3639.35 | 241.02 | 577.84 | 27470.75 | 28241.86 | 838.7 | 2800.6 | 2800.6 | : | | : | 3241.5 | 6663.0 | 836.1 | 675.7 |
| FR | 80439.72 | 83672.56 | 5402.95 | 8751.95 | 1568.85 | 7017.23 | 73422.50 | 76655.33 | 3254.5 | 2148.5 | 5497.5 | 10.2 | 1558.6 | 487.8 | 2047.6 | 4929.7 | 3335.2 | 5708.9 |
| IE | 4699.79 | 4990.54 | 361.31 | 361.31 | 35.80 | | 4699.79 | 4990.54 | | 361.3 | 361.3 | : | | 237.9 | : | 506.0 | | 165.9 |
| IT | 58700.75 | 60697.30 | 5204.76 | 9429.61 | 820.29 | 2256.83 | 56443.93 | 58440.47 | 731.8 | 4472.9 | 8697.8 | : | | 4418.0 | 6998.7 | 7038.3 | | 688.7 |
| CY | | | | | | | 0.00 | 0.00 | | 0.0 | 0.0 | | | 4.1 | : | | | 7.8 |
| LV | 261.60 | 286.00 | 57.90 | 93.10 | n | | 261.60 | 286.00 | | 57.9 | 93.1 | xr:E5 | | 8.9 | : | 58.9 | 6.8 | 3.0 |
| LT | 2680.66 | 2862.42 | : | : | : | | 2680.66 | 2862.42 | | : | : | | | : | 9.7 | 225.0 | 35.2 | 36.5 |
| LU | 800.08 | 845.28 | 0.04 | 3.05 | 0.08 | | 800.08 | 845.28 | | 0.0 | 3.1 | : | | : | : | 38.2 | 62.6 | 67.9 |
| HU | 684048.00 | 764402.00 | 36055.00 | : | 48688.00 | 78514.00 | 605534.00 | 685888.00 | 26347.0 | 9708.0 | : | xr:E5 | | 31318.0 | | 93516.0 | 12531.2 | 49935.2 |
| MT | 72.29 | 80.32 | 8.23 | : | 0.36 | | 72.29 | 80.32 | 0.1 | 8.1 | : | n | | : | | 14.5 | | : |
| NL | 19095.84 | 21413.86 | 1195.50 | 2146.73 | 722.15 | 167.93 | 18927.91 | 21245.93 | | 1195.5 | 2146.7 | n | | 2090.8 | | 1216.0 | | 2116.1 |
| AT | 11597.01 | 12295.32 | 359.38 | 359.38 | 323.41 | | 11597.01 | 12295.32 | | 359.4 | 359.4 | xr:e5 | | 880.6 | : | 669.8 | 456.9 | 368.9 |
| PL | 41778.53 | 42286.72 | : | : | : | 1946.55 | 39831.98 | 40340.17 | | : | : | : | | 1589.9 | 4140.6 | 7746.3 | 45.7 | 1.8 |
| PT | 7095.28 | 7247.91 | 107.26 | 259.89 | : | | 7095.28 | 7247.91 | | 107.3 | 259.9 | : | | : | | 973.0 | 183.7 | 92.8 |
| SI | | | | | | | 0.00 | 0.00 | | 0.0 | 0.0 | | | : | 51196.5 | 24618.5 | 11721.2 | 11727.1 |
| SK | 39279.93 | 40746.00 | 580.84 | 4065.50 | 585.76 | 3814.81 | 35465.12 | 36931.19 | 331.8 | 249.1 | 3733.8 | 360.8 | 225.0 | 850.3 | 2308.0 | 4718.0 | | 1963.6 |
| FI | 7731.25 | 8446.63 | xr:P5 | : | xr:P5 | 601.66 | 7129.59 | 7844.98 | | xr:P5 | : | xr:E5 | | 834.1 | 109.5 | 308.0 | 466.1 | 387.8 |
| SE | 140714.00 | 165688.00 | 107.00 | 25284.00 | 4548.00 | | 140714.00 | 165688.00 | | 107.0 | 25284.0 | na | | 20448.0 | : | 2506.0 | 11504.7 | 9943.0 |
| UK | 44671.87 | 45132.40 | 6847.21 | 9122.30 | 1214.00 | | 44671.87 | 45132.40 | | 6847.2 | 9122.3 | : | | 2560.0 | 6968.0 | 9409.0 | 9529.4 | 8914.0 |
| IS | 45719.50 | 48139.50 | 4128.56 | : | : | | 45719.50 | 48139.50 | | 4128.6 | : | : | | : | : | 4747.7 | | 0.0 |
| NO | 93395.00 | 106852.00 | 3795.00 | 3795.00 | : | | 93395.00 | 106852.00 | | 3795.0 | 3795.0 | : | | : | 1664.4 | 3642.0 | | 2956.0 |
| BG | 1013.68 | 1048.66 | 264.11 | : | : | 52.99 | 960.69 | 995.68 | | 264.1 | : | : | | 16.7 | | : | | : |
| RO | 3671 | 3834 | 254 | : | : | | 0.4 | 0.4 | | 253.5 | : | : | | : | | 0.1 | | 553.64 |
| TR | 6180 | 6515 | 78 | 78 | : | 177 | 6003 | 6338 | 24 | 55 | 55 | : | | : | | : | | : |
| JP | 17765803 | 18208597 | 5317787 | 9423133 | 591761 | | : | : | 25304 | | | | 591761.0 | | 7166125 | : | | : |
| US | 506109 | 561328 | 137809 | 137809 | 87200 | | : | : | | | | | 87200.0 | 71499.7 | 71500 | : | | : |

Currency: Euro

| UNESCO/OECD/Eurostat collection on education systems | | | | | | | | | | | | | | | HBS | NA | CVTS | LCS | |
|--|----------|----------|----------|----------|---------|--------|----------|---------|--------|---------|---------|-------|---------|---------|---------|---------|---------|---------|--------|
| Country | G5 | G20 | H5 | H20 | E5 | G5b | G5 - G5b | G20-G5b | H5b | H5-H5b | H20-H5b | E5b | E5-E5b | R&D | | | | | |
| BE | 14904.2 | 15530.8 | 792.6 | 1423.7 | 337.2 | | 14904.2 | 15530.8 | 397.7 | 394.8 | 1026.0 | n | #VALUE! | 1059.5 | | | 403.5 | 466.6 | |
| CZ | 2668.6 | 2825.9 | 145.1 | 145.1 | 98.8 | 0.0 | 2668.6 | 2825.9 | 83.4 | 61.7 | 61.7 | 0.6 | 98.2 | : | | 131.7 | 741.0 | 164.1 | 119.3 |
| DK | 12133.4 | | | | | | | | | | | | | | | 264.1 | 178.6 | 1526.0 | 2162.4 |
| DE | 88564.0 | 94778.1 | xr:P3 | 5369.8 | 12799.6 | 1741.9 | 86822.1 | 93036.1 | | xr:P3 | 5369.8 | n | | 8524.0 | | 622.8 | 5565.5 | 2655.3 | |
| EE | 337.6 | | | | | | | | | | | | | | | | 8080.0 | 22.2 | 14.3 |
| EL | 5011.2 | 5120.7 | 307.2 | 311.3 | : | | 5011.2 | 5120.7 | | 307.2 | 311.3 | : | | 256.5 | 1452.2 | 52.5 | : | : | |
| ES | 28048.6 | 28819.7 | 3639.4 | 3639.4 | 241.0 | 577.8 | 27470.7 | 28241.9 | 838.7 | 2800.6 | 2800.6 | : | | : | 3241.5 | 1322.4 | 836.1 | 675.7 | |
| FR | 80439.7 | 83672.6 | 5402.9 | 8751.9 | 1568.9 | 7017.2 | 73422.5 | 76655.3 | 3254.5 | 2148.5 | 5497.5 | 10.2 | 1558.6 | 487.8 | 2047.6 | 6663.0 | 3335.2 | 5708.9 | |
| IE | 4699.8 | 4990.5 | 361.3 | 361.3 | 35.8 | | 4699.8 | 4990.5 | | 361.3 | 361.3 | : | | 237.9 | : | 4929.7 | : | 165.9 | |
| IT | 58700.8 | 60697.3 | 5204.8 | 9429.6 | 820.3 | 2256.8 | 56443.9 | 58440.5 | 731.8 | 4472.9 | 8697.8 | : | | 4418.0 | 6998.7 | 506.0 | : | 688.7 | |
| CY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | 7.2 | | 7038.3 | : | 13.6 | |
| LV | 467.1 | 510.6 | 103.4 | 166.2 | | 0.0 | 467.1 | 510.6 | 0.0 | 103.4 | 166.2 | | | 15.9 | | | 12.1 | 5.3 | |
| LT | 748.3 | 799.0 | | | | 0.0 | 748.3 | 799.0 | 0.0 | | | | | | 2.7 | 105.2 | 9.8 | 9.9 | |
| LU | 800.1 | 845.3 | 0.0 | 3.1 | 0.1 | | 800.1 | 845.3 | | 0.0 | 3.1 | : | | : | : | 62.8 | 62.6 | 67.9 | |
| HU | 2665.9 | 2979.1 | 140.5 | #VALUE! | 189.8 | 306.0 | 2359.9 | 2673.1 | 102.7 | 37.8 | | | | 122.1 | 0.0 | 38.2 | 48.8 | 192.0 | |
| MT | 179.4 | 199.3 | 20.4 | #VALUE! | 0.9 | 0.0 | 179.4 | 199.3 | 0.3 | 20.1 | | | | | 0.0 | 364.5 | : | : | |
| NL | 19095.8 | 21413.9 | 1195.5 | 2146.7 | 722.1 | 167.9 | 18927.9 | 21245.9 | | 1195.5 | 2146.7 | n | | 2090.8 | | 36.0 | : | 2116.1 | |
| AT | 11597.0 | 12295.3 | 359.4 | 359.4 | 323.4 | | 11597.0 | 12295.3 | | 359.4 | 359.4 | xr:e5 | | 880.6 | : | 1216.0 | 456.9 | 368.9 | |
| PL | 11377.3 | 11515.7 | | | | 530.1 | 10847.2 | 10985.6 | 0.0 | | | | | 433.0 | 1127.6 | 669.8 | 12.5 | 0.5 | |
| PT | 7095.3 | 7247.9 | 107.3 | 259.9 | : | | 7095.3 | 7247.9 | | 107.3 | 259.9 | : | | : | | 2109.5 | 183.7 | 92.8 | |
| SI | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | 234.9 | 973.0 | 53.8 | 56.8 | |
| SK | 907.2 | 941.0 | 13.4 | 93.9 | 13.5 | 88.1 | 819.1 | 852.9 | 7.7 | 5.8 | 86.2 | 8.3 | 5.2 | 19.6 | 53.3 | 112.9 | : | 46.1 | |
| FI | 7731.3 | 8446.6 | xr:P5 | : | xr:P5 | 601.7 | 7129.6 | 7845.0 | | xr:P5 | : | xr:E5 | | 834.1 | 109.5 | 109.0 | 466.1 | 387.8 | |
| SE | 15203.9 | 17902.3 | 11.6 | 2731.9 | 491.4 | 0.0 | 15203.9 | 17902.3 | 0.0 | 11.6 | 2731.9 | na | | 2209.4 | | 308.0 | 1243.1 | 1177.4 | |
| UK | 71834.7 | 72575.3 | 11010.7 | 14669.1 | 1952.2 | 0.0 | 71834.7 | 72575.3 | 0.0 | 11010.7 | 14669.1 | : | | 4116.6 | 11204.9 | 270.8 | 15323.8 | 14625.6 | |
| IS | 523.0 | 550.7 | 47.2 | | | 0.0 | 523.0 | 550.7 | 0.0 | 47.2 | | : | | | | 15130.2 | : | 0.0 | |
| NO | 11604.2 | 13276.2 | 471.5 | 471.5 | | 0.0 | 11604.2 | 13276.2 | 0.0 | 471.5 | 471.5 | : | | | 206.8 | 54.3 | : | 364.4 | |
| BG | 520.3 | 538.3 | 135.6 | | | 27.2 | 493.1 | 511.1 | 0.0 | 135.6 | | : | | 8.5 | 0.0 | 452.5 | : | : | |
| RO | 1411.8 | 1474.5 | 97.5 | | | 0.0 | 0.1 | 0.1 | 0.0 | 97.5 | | : | | : | 0.0 | : | : | 277.90 | |
| TR | 5606 | 5909 | 71.1 | 71.1 | | 160.5 | 5445 | 5749 | 21.5 | 50 | 50 | : | | : | 0.0 | 358.3 | : | : | |
| JP | 163468.9 | 167543.2 | 48930.7 | 86705.3 | 5445.0 | : | : | : | | | | | 5445.0 | 0.0 | 65937.8 | : | na | na | |
| US | 565106.1 | 626761.9 | 153873.4 | 153873.4 | 97364.9 | : | : | : | 0.0 | | | | 97364.9 | 79834.4 | 79834.4 | : | na | na | |

Currency: Mio PPS

| UNESCO/OECD/Eurostat collection on education systems | | | | | | | | | | | | | | | | | | |
|--|---------|---------|--------|---------|---------|--------|----------|---------|--------|--------|---------|--------|---------|---------|---------|---------|---------|---------|
| Country | G5 | G20 | H5 | H20 | E5 | G5b | G5 - G5b | G20-G5b | H5b | H5-H5b | H20-H5b | E5b | E5-E5b | R&D | HBS | NA | CVTS | LCS |
| BE | 14474.4 | 15082.9 | 769.7 | 1382.6 | 327.5 | | 14474.4 | 15082.9 | 386.3 | 383.5 | 996.4 | | | 1028.9 | 1423.6 | 719.1 | 391.9 | 453.2 |
| CZ | 5428.7 | 5748.8 | 295.1 | 295.1 | 201.0 | | 5428.7 | 5748.8 | 169.7 | 125.5 | 125.5 | 1.3 | 199.7 | | 267.9 | 363.1 | 9.8 | 253.5 |
| DK | 9449.2 | 11775.3 | 383.1 | 2785.5 | | | 9449.2 | 11775.3 | | 383.1 | 2785.5 | 5223.2 | -5223.2 | 620.2 | 205.7 | 484.6 | 159.5 | 226.0 |
| DE | 79178.2 | 84733.7 | | 4800.7 | 11443.1 | 1557.3 | 77620.9 | 83176.4 | | | 4800.7 | | | 7620.6 | 2457.7 | 7218.2 | 4975.7 | 2373.9 |
| EE | 608.7 | 658.7 | | | | | 608.7 | 658.7 | | | | | | | 66.7 | 94.5 | 2.6 | 25.9 |
| EL | 6299.2 | 6436.8 | 386.2 | 391.3 | | | 6299.2 | 6436.8 | | 386.2 | 391.3 | | | 322.4 | 1825.5 | 1661.0 | | |
| ES | 32636.0 | 33533.2 | 4234.6 | 4234.6 | 280.4 | 672.3 | 31963.6 | 32860.8 | 975.9 | 3258.7 | 3258.7 | | | | 3771.6 | 7746.8 | 972.8 | 786.2 |
| FR | 78003.7 | 81138.6 | 5239.3 | 8486.9 | 1521.3 | 6804.7 | 71199.0 | 74333.9 | 3155.9 | 2083.4 | 5331.0 | 9.9 | 1511.4 | 473.1 | 1985.6 | 4776.7 | 3234.2 | 5536.0 |
| IE | 4163.7 | 4421.3 | 320.1 | 320.1 | 31.7 | | 4163.7 | 4421.3 | 0.0 | 320.1 | 320.1 | : | | 210.8 | | 448.0 | | 147.0 |
| IT | 62569.8 | 64697.9 | 5547.8 | 10051.1 | 874.4 | 2405.6 | 60164.2 | 62292.3 | 780.1 | 4767.7 | 9271.0 | : | | 4709.2 | 7460.0 | 7496.4 | | 734.0 |
| CY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | | | | | | 8.2 | | | | 15.5 |
| LV | 913.4 | 998.6 | 202.2 | 325.1 | | | 913.4 | 998.6 | | 202.2 | 325.1 | | | 31.1 | | 205.6 | 42.4 | 10.4 |
| LT | 1608.9 | 1718.0 | | | | | 1608.9 | 1718.0 | | | | | | | 5.8 | 134.9 | 5.9 | 21.9 |
| LU | 700.8 | 740.4 | 0.0 | 2.7 | 0.1 | | 700.8 | 740.4 | | | 2.7 | : | | | | 33.4 | 54.8 | 59.5 |
| HU | 5413.5 | 6049.4 | 285.3 | | 385.3 | 621.4 | 4792.1 | 5428.0 | 208.5 | 76.8 | | | | 247.8 | | 739.5 | 0.4 | 395.2 |
| MT | 252.4 | 280.4 | 28.7 | | 1.2 | | 252.4 | 280.4 | | 28.3 | | | | | | 50.6 | | : |
| NL | 18134.4 | 20335.7 | 1135.3 | 2038.6 | 685.8 | 159.5 | 17974.9 | 20176.2 | | 1135.3 | 2038.6 | n | | 1985.5 | | 1153.9 | | 2009.6 |
| AT | 11003.4 | 11665.9 | 341.0 | 341.0 | 306.9 | | 11003.4 | 11665.9 | | 341.0 | 341.0 | xr:e5 | | 835.6 | | 635.0 | 433.5 | 350.0 |
| PL | 19712.7 | 19952.5 | | | | 918.5 | 18794.3 | 19034.0 | | | | | | 750.2 | 1953.7 | 3652.2 | 5.9 | 0.9 |
| PT | 9409.5 | 9611.9 | 142.2 | 344.7 | | | 9409.5 | 9611.9 | | 142.2 | 344.7 | : | | | 0.0 | 1289.4 | 243.5 | 123.1 |
| SI | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | | | | | | | 327.6 | 157.4 | 0.3 | 75.0 |
| SK | 2102.3 | 2180.8 | 31.1 | 217.6 | 31.4 | 204.2 | 1898.1 | 1976.6 | 17.8 | 13.3 | 199.8 | 19.3 | 12.0 | 45.5 | 123.5 | 252.3 | | 105.1 |
| FI | 6911.6 | 7551.1 | | | | 537.9 | 6373.7 | 7013.3 | | | | xr:E5 | | 745.7 | 97.9 | 275.1 | 416.7 | 346.7 |
| SE | 13147.9 | 15481.4 | 10.0 | 2362.5 | 425.0 | | 13147.9 | 15481.4 | | 10.0 | 2362.5 | na | | 1910.6 | | 234.0 | 116.1 | 929.0 |
| UK | 62485.8 | 63130.0 | 9577.7 | 12760.0 | 1698.1 | | 62485.8 | 63130.0 | | 9577.7 | 12760.0 | : | | 3580.9 | 9746.7 | 13151.0 | 21434.6 | 12468.7 |
| IS | 449.7 | 473.5 | 40.6 | | | | 449.7 | 473.5 | | 40.6 | | : | | | | 46.7 | : | 0.0 |
| NO | 8937.1 | 10224.8 | 363.1 | 363.1 | | | 8937.1 | 10224.8 | | 363.1 | 363.1 | : | | | 159.3 | 348.2 | : | 282.9 |
| BG | 1577.7 | 1632.2 | 411.1 | | | 82.5 | 1495.2 | 1549.7 | | 411.1 | | : | | 25.9 | | : | : | : |
| RO | 3849 | 4020 | 266 | | | | 0 | | | 266 | | : | | | | 975.8 | : | 580.4 |
| TR | 12718 | 13406 | 161 | 161 | | 364 | 12354 | 13042 | 49 | 113 | 113 | : | | | | : | : | : |
| JP | 103841 | 106429 | 31082 | 55078 | 3459 | : | : | : | | | | | 3458.8 | | 41885.9 | : | na | na |
| US | 441627 | 489811 | 120251 | 120251 | 76090 | : | : | : | | | | | 76090.1 | 62390.1 | 62390.1 | : | na | na |

Summary table of data collected (2002)

Currency: Mio national currency

| UNESCO/OECD/Eurostat collection on education systems | | | | | | | | | | | | | | | HBS | NA | CVTS | LCS |
|--|------------|----------|-----------|-----------|----------|--------|----------|----------|--------|-----------|---------|-------|-----------|---------|-----------|----------|---------|---------|
| Country | G5 | G20 | H5 | H20 | E5 | G5b | G5 - G5b | G20-G5b | H5b | H5-H5b | H20-H5b | E5b | E5-E5b | R&D | | | | |
| BE | 15580.0 | 16359.1 | 804.6 | 1444.0 | : | : | : | : | 358.5 | 446.1248 | 1085.6 | : | : | 1107.5 | : | 757.1 | 423.3 | 489.5 |
| CZ | 101193.9 | 106553.3 | 3720.1 | : | 2156.2 | 8366.5 | 92827.4 | 98186.8 | 2844.1 | 876 | : | 271.7 | 1884.5 | 4619 | 4705.2 | 6763.0 | 5429.4 | 4560.2 |
| DK | 92919.0 | 115826.0 | 3797.0 | 26700.0 | n | : | : | : | : | : | : | n | : | 6126 | 1980.0 | 4978.0 | 11769.6 | 2244.6 |
| DE | 93324.9 | 100735.3 | xr:P3 | 5454.9 | 12762.4 | 1693.6 | 91631.2 | 99041.7 | n | : | : | n | : | 9080.4 | 2597.1 | 8490.0 | 5688.0 | 2713.8 |
| EE | 6126.0 | 6653.0 | : | : | : | xr:G5 | : | : | : | : | : | : | : | : | 698.5 | 891.1 | 391.4 | 252.8 |
| EL | 5486.3 | 5597.4 | 265.1 | 269.6 | : | : | : | : | na | : | : | : | : | 256.5 | 1517.9 | 1761.2 | 0.0 | : |
| ES | 30168.1 | 30990.8 | 3674.5 | 3674.5 | 298.4 | 604.6 | 29563.5 | 30386.2 | 872.3 | 2802.3 | 2802.3 | : | : | : | 3397.1 | 6914.0 | 880.4 | 711.5 |
| FR | 82912.0 | 86235.5 | 5498.2 | 8924.1 | 1616.1 | 7017.2 | 75894.8 | 79218.3 | 3312.4 | 2185.8 | 5611.6 | 10.2 | 1605.8979 | 503.1 | : | 5170.0 | 3465.3 | 5931.5 |
| IE | 5211.3 | 5582.6 | 343.8 | : | 21.9 | : | : | : | : | : | : | : | : | : | : | 671.5 | : | 172.5 |
| IT | 57292.5 | 59848.9 | 3854.0 | 11169.3 | 696.0 | 2529.4 | 54763.0 | 57319.4 | 894.4 | 2959.6385 | 10275.0 | : | : | 4418 | 6261.0 | 7084.8 | : | 726.5 |
| CY | : | : | : | : | : | : | : | : | : | : | : | : | : | : | 5.7 | : | : | 8.4 |
| LV | 305.2 | 331.1 | 38.2 | 115.4 | 3.4 | xr:G5 | : | : | xr:H5 | : | : | xr:E5 | : | 10.3 | 38.1 | 66.1 | 7.6 | 3.1 |
| LT | 2842.2 | 3040.5 | : | : | : | xr:G5 | : | : | : | : | : | : | : | 38.8 | 9.1 | : | 35.4 | 37.8 |
| LU | 891.1 | 909.3 | : | : | : | : | : | : | : | : | : | : | : | : | : | 39.1 | 64.8 | 77.1 |
| HU | 838854.0 | 922149.0 | 38168.0 | : | 56772.0 | 90792 | 748062 | 831357 | 27607 | 10561.0 | : | xr:E5 | : | 43135 | : | 108217.0 | 13479.3 | 51133.7 |
| MT | 72.3 | 80.3 | 10.8 | 10.8 | 0.4 | xr:G5 | : | : | 0.1 | 10.7 | 10.7 | n | : | 0.4 | : | 16.2 | : | : |
| NL | 20458.9 | 22611.0 | 1282.3 | 2387.3 | 911.1 | 226.9 | 20232.0 | 22384.1 | n | : | : | n | : | 2228.0 | : | 1299.0 | : | 2232.5 |
| AT | 11694.1 | 12520.6 | 465.7 | 465.7 | 370.0 | xr:g5 | : | : | xr:h5 | : | : | xr:e5 | : | : | : | 786.7 | 470.6 | 380.0 |
| PL | 42687.4 | 43756.8 | 5182.6 | 7540.6 | : | 1717.8 | 40969.7 | 42039.1 | : | : | : | : | : | 1533.7 | 4616.6 | 8605.3 | 49.1 | 1.9 |
| PT | 7338.7 | 7496.5 | 118.0 | 275.8 | : | : | : | : | : | : | : | : | : | : | : | 1034.0 | 193.4 | 97.7 |
| SI | 288490.8 | 320124.8 | 38909.9 | 54074.0 | 6972.2 | : | 288490.8 | 320124.8 | : | : | : | : | : | 12660.7 | 57094.1 | 28062.3 | 12625.1 | 12184.5 |
| SK | 43881.6 | 47743.2 | 1019.7 | 14560.3 | 1163.6 | 4068.1 | 39813.5 | 43675.2 | 469.4 | 550.3 | 14090.9 | 498.9 | 664.7 | 699.2 | 2227.0 | 4945.0 | : | 2277.8 |
| FI | 8206.6 | 8934.1 | xr:P5 | : | xr:P5 | 642.8 | 7563.8 | 8291.3 | xr:H5 | : | : | xr:E5 | : | 925.6 | : | 314.0 | 488.0 | 406.0 |
| SE | 156100.0 | 179918.0 | : | : | : | : | : | : | : | : | : | : | : | : | : | 1618.0 | 11775.0 | 10281.1 |
| UK | 50188.1 | 52859.4 | 7942.3 | : | 1319.0 | : | : | : | : | : | : | : | : | 2786 | 7176.0 | 9381.0 | 10060.1 | 9306.2 |
| IS | 52767.3 | 55411.9 | 4677.0 | : | : | : | : | : | n | : | : | : | : | : | 1861.6 | 5373.4 | : | na |
| LI | 113.0 | 124.1 | 0.1 | 0.1 | : | na | : | : | n | : | : | na | : | 0.5 | 1772.0 | : | : | na |
| NO | 101444.0 | 116098.0 | 3989.0 | : | : | n | : | : | : | : | : | : | : | : | : | 3784.0 | : | 2956.0 |
| BG | 1114.5 | 1153.6 | 203.1 | 203.1 | 30.9 | 29.3 | 1085.3 | 1124.3 | : | : | : | na | : | 15.6 | : | : | : | : |
| HR | 7744.3 | 7744.3 | : | : | 276.7 | : | : | : | : | : | : | 276.7 | : | : | : | : | : | na |
| RO | 5212.9 | 5335.8 | 247.0 | : | : | xr:G5 | : | : | : | : | : | : | : | : | : | 0.1 | : | 701.5 |
| TR | 9390.4 | 9878.6 | 1152.8 | 3326.8 | 38.2 | 282 | 9108.4 | 9596.6 | : | : | : | : | : | : | : | : | : | na |
| MK | 8093.0 | 8533.6 | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | na |
| JP | 17614017.0 | 18124034 | 5426130.0 | 9531476.0 | 597762.0 | : | : | : | : | : | : | : | : | : | 7182967.1 | : | na | na |
| US | 551821.0 | 574237 | 152343.0 | 152343.0 | 43450.0 | : | : | : | 27304 | 125039.0 | 27304.0 | : | : | : | 84305.2 | : | na | na |

Currency: Mio euros

| UNESCO/OECD/Eurostat collection on education systems | | | | | | | | | | | | | | | | | | |
|--|----------|----------|----------|----------|---------|--------|----------|---------|---------|----------|---------|-------|-----------|---------|---------|---------|---------|---------|
| Country | G5 | G20 | H5 | H20 | E5 | G5b | G5 - G5b | G20-G5b | H5b | H5-H5b | H20-H5b | E5b | E5-E5b | R&D | HBS | NA | CVTS | LCS |
| BE | 15580.0 | 16359.1 | 804.6 | 1444.0 | : | : | : | : | 358.5 | 446.1 | 1085.6 | : | : | 1107.5 | | 757.1 | 423.3 | 489.5 |
| CZ | 3285.1 | 3459.1 | 120.8 | : | 70.0 | 271.6 | 3013.5 | 3187.5 | 92.3 | 28.4 | 0.0 | 8.8 | 61.2 | 149.9 | 152.7 | 219.5 | 176.3 | 133.9 |
| DK | 12505.1 | 15587.9 | 511.0 | 3593.3 | n | : | : | : | : | : | : | n | : | 824.4 | 266.5 | 669.9 | 1584.0 | 2244.6 |
| DE | 93324.9 | 100735.3 | xr:P3 | 5454.9 | 12762.4 | 1693.6 | 91631.2 | 99041.7 | n | : | : | n | : | 9080.4 | 9081.4 | 8490.0 | 5688.0 | 2713.8 |
| EE | 391.5 | 425.2 | : | : | : | xr:G5 | : | : | : | : | : | : | : | : | : | 57.0 | 25.0 | 16.2 |
| EL | 5486.3 | 5597.4 | 265.1 | 269.6 | : | : | : | : | na | : | : | : | : | 256.5 | 257.5 | 1761.2 | 0.0 | : |
| ES | 30168.1 | 30990.8 | 3674.5 | 3674.5 | 298.4 | 604.6 | 29563.5 | 30386.2 | 872.3 | 2802.3 | 2802.3 | : | : | : | : | 6914.0 | 880.4 | 711.5 |
| FR | 82912.0 | 86235.5 | 5498.2 | 8924.1 | 1616.1 | 7017.2 | 75894.8 | 79218.3 | 3312.4 | 2185.8 | 5611.6 | 10.2 | 1605.8979 | 503.1 | 504.1 | 5170.0 | 3465.3 | 5931.5 |
| IE | 5211.3 | 5582.6 | 343.8 | : | 21.9 | : | : | : | : | : | : | : | : | : | : | 671.5 | : | 172.5 |
| IT | 57292.5 | 59848.9 | 3854.0 | 11169.3 | 696.0 | 2529.4 | 54763.0 | 57319.4 | 894.4 | 2959.6 | 10275.0 | : | : | 4418 | 4419 | 7084.8 | : | 726.5 |
| CY | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | 14.6 |
| LV | 525.3 | 569.9 | 65.7 | 198.6 | 5.9 | xr:G5 | : | : | xr:H5 | : | : | xr:E5 | : | 17.7 | 65.6 | 113.7 | 13.1 | 5.5 |
| LT | 821.6 | 878.9 | : | : | : | xr:G5 | : | : | : | : | : | : | : | 11.2 | 2.6 | : | 10.2 | 10.5 |
| LU | 891.1 | 909.3 | : | : | : | : | : | : | : | : | : | : | : | : | : | 39.1 | 64.8 | 77.1 |
| HU | 3452.6 | 3795.5 | 157.1 | : | 233.7 | 373.7 | 3079.0 | 3421.8 | 113.6 | 43.5 | : | xr:E5 | : | 177.5 | : | 445.4 | 55.5 | 199.3 |
| MT | 176.8 | 196.4 | 26.5 | 26.5 | 0.9 | xr:G5 | : | : | 0.3 | 26.2 | 26.2 | n | 0.0 | 0.9 | : | 39.7 | : | : |
| NL | 20458.9 | 22611.0 | 1282.3 | 2387.3 | 911.1 | 226.9 | 20232.0 | 22384.1 | n | : | : | n | : | 2228.0 | 2229.0 | 1299.0 | : | 2232.5 |
| AT | 11694.1 | 12520.6 | 465.7 | 465.7 | 370.0 | xr:g5 | : | : | xr:h5 | : | : | xr:e5 | : | : | : | 786.7 | 470.6 | 380.0 |
| PL | 11066.4 | 11343.6 | 1343.6 | 1954.8 | : | 445.3 | 10621.1 | 10898.3 | : | : | : | : | 0.0 | 397.6 | 1196.8 | 2230.9 | 12.7 | 0.5 |
| PT | 7338.7 | 7496.5 | 118.0 | 275.8 | : | : | : | : | : | : | : | : | : | : | : | 1034.0 | 193.4 | 97.7 |
| SI | 1276.6 | 1416.6 | 172.2 | 239.3 | 30.9 | 0.0 | 1276.6 | 1416.6 | : | : | : | : | 0.0 | 56.0 | 252.7 | 124.2 | 55.9 | 55.9 |
| SK | 1027.8 | 1118.3 | 23.9 | 341.0 | 27.3 | 95.3 | 932.5 | 1023.0 | 11.0 | 12.9 | 330.0 | 11.7 | 15.6 | 16.4 | 52.2 | 115.8 | : | 52.6 |
| FI | 8206.6 | 8934.1 | xr:P5 | : | xr:P5 | 642.8 | 7563.8 | 8291.3 | xr:H5 | : | : | xr:E5 | : | 925.6 | 926.6 | 314.0 | 488.0 | 406.0 |
| SE | 17039.4 | 19639.3 | : | : | : | : | : | : | : | : | : | : | : | : | : | 176.6 | 1285.3 | 1110.9 |
| UK | 79811.9 | 84059.9 | 12630.3 | : | 2097.5 | : | : | : | : | : | : | : | : | 4430.5 | 11411.7 | 14918.2 | 15998.1 | 14964.9 |
| IS | 612.3 | 643.0 | 54.3 | : | : | : | : | : | n | : | : | : | : | : | 21.6 | 62.4 | : | na |
| LI | 113.0 | 124.1 | 0.1 | 0.1 | : | na | : | : | n | : | : | na | : | : | : | : | : | na |
| NO | 13510.4 | 15462.0 | 531.3 | : | : | n | : | : | : | : | : | : | : | : | : | 504.0 | : | 367.3 |
| BG | 571.8 | 591.8 | 104.2 | 104.2 | 15.9 | 15.0 | 556.8 | 576.8 | : | : | : | na | 8.0 | : | : | : | : | : |
| HR | 1044.7 | 1044.7 | : | : | 37.3 | : | : | : | : | : | : | 37.3 | : | : | : | : | : | na |
| RO | 1667.1 | 1706.4 | 79.0 | : | : | xr:G5 | : | : | : | : | : | : | : | : | : | 454.3 | : | 269.7 |
| TR | 6522.6 | 6861.7 | 800.7 | 2310.8 | 26.5 | 195.9 | 6326.7 | 6665.8 | : | : | : | : | : | : | : | : | : | na |
| MK | : | : | : | : | : | : | : | : | : | : | : | : | : | : | #DIV/0! | : | : | na |
| JP | 149195.5 | 153515.4 | 45960.8 | 80734.2 | 5063.2 | : | : | : | : | : | : | : | : | 60841.7 | : | : | na | na |
| US | 583567.0 | 607272.6 | 161107.2 | 161107.2 | 45949.7 | : | : | : | 28874.8 | 132232.4 | 28874.8 | : | : | : | 89155.3 | : | na | na |

Currency: Mio PPS

| UNESCO/OECD/Eurostat collection on education systems | | | | | | | | | | | | | | | HBS | NA | CVTS | LCS |
|--|----------|----------|----------|----------|---------|--------|----------|---------|---------|----------|---------|-------|--------|---------|---------|---------|---------|---------|
| Country | G5 | G20 | H5 | H20 | E5 | G5b | G5 - G5b | G20-G5b | H5b | H5-H5b | H20-H5b | E5b | E5-E5b | R&D | | | | |
| BE | 15239.3 | 16001.3 | 787.0 | 1412.4 | : | : | : | : | 350.6 | 436.4 | 1061.8 | : | : | 1083.3 | 739.5 | 414.0 | 478.8 | |
| CZ | 6113.3 | 6437.0 | 224.7 | : | 130.3 | 505.4 | 5607.8 | 5931.6 | 171.8 | 52.9 | 0.0 | 16.4 | 113.8 | 279.0 | 284.2 | 408.0 | 10.6 | 275.5 |
| DK | 9523.2 | 11870.9 | 389.1 | 2736.4 | n | : | : | : | : | : | : | n | : | 627.8 | 202.9 | 509.5 | 162.3 | 230.0 |
| DE | 84050.0 | 90723.9 | xr:P3 | 4912.7 | 11494.0 | 1525.3 | 82524.6 | 89198.6 | n | : | : | n | : | 8177.9 | 2339.0 | 7635.9 | 5122.7 | 2444.1 |
| EE | 692.6 | 752.2 | : | : | : | xr:G5 | : | : | : | : | : | : | : | : | : | 100.6 | 2.8 | 28.6 |
| EL | 6989.9 | 7131.5 | 337.8 | 343.5 | : | : | : | : | a | : | : | : | : | 326.8 | 1933.9 | 2240.8 | 0.0 | : |
| ES | 35071.1 | 36027.5 | 4271.7 | 4271.7 | 346.9 | 702.8 | 34368.3 | 35324.7 | 1014.1 | 3257.7 | 3257.7 | : | : | : | : | 8026.8 | 1023.5 | 827.1 |
| FR | 79534.9 | 82723.1 | 5274.3 | 8560.6 | 1550.3 | 6731.4 | 72803.5 | 75991.7 | 3177.5 | 2096.8 | 5383.1 | 9.8 | 1540.5 | 482.6 | : | 4952.7 | 3324.1 | 5689.9 |
| IE | 4491.3 | 4811.3 | 296.3 | : | 18.9 | : | : | : | : | : | : | : | : | : | : | 577.9 | : | 148.7 |
| IT | 59982.0 | 62658.4 | 4034.9 | 11693.7 | 728.7 | 2648.2 | 57333.8 | 60010.2 | 936.4 | 3098.6 | 10757.3 | : | : | 4625.4 | 6554.9 | 7407.3 | : | 760.6 |
| CY | : | : | : | : | : | : | : | : | : | : | : | : | : | 11.3 | : | : | : | 16.6 |
| LV | 1034.4 | 1122.2 | 129.5 | 391.1 | 11.5 | xr:G5 | : | : | xr:H5 | : | : | xr:E5 | : | 34.9 | 129.1 | 223.7 | 44.3 | 10.5 |
| LT | 1713.3 | 1832.9 | : | : | : | xr:G5 | : | : | : | : | : | : | : | 23.4 | 5.5 | : | 6.2 | 22.8 |
| LU | 785.8 | 801.8 | : | : | : | : | : | : | : | : | : | : | : | : | : | 34.5 | 57.1 | 68.0 |
| HU | 6308.9 | 6935.3 | 287.1 | : | 427.0 | 682.8 | 5626.0 | 6252.5 | 207.6 | 79.4 | : | xr:E5 | : | 324.4 | 0.0 | 812.8 | 0.4 | 384.6 |
| MT | 254.7 | 283.0 | 38.2 | 38.2 | 1.3 | xr:G5 | : | : | 0.5 | 37.7 | 37.7 | n | : | 1.3 | 0.0 | 57.1 | : | : |
| NL | 19181.9 | 21199.7 | 1202.3 | 2238.3 | 854.2 | 212.7 | 18969.2 | 20987.0 | n | : | : | n | : | 2089.0 | 0.0 | 1216.3 | : | 2093.2 |
| AT | 11074.2 | 11856.9 | 441.0 | 441.0 | 350.4 | xr:g5 | : | : | xr:h5 | : | : | xr:e5 | : | : | : | 744.0 | 445.7 | 359.8 |
| PL | 20177.8 | 20683.3 | 2449.8 | 3564.3 | : | 812.0 | 19365.9 | 19871.4 | : | 0.0 | 0.0 | : | 0.0 | 725.0 | 2182.2 | 4062.1 | 6.0 | 0.9 |
| PT | 9625.2 | 9832.2 | 154.7 | 361.7 | : | : | : | : | : | : | : | : | : | : | : | 1354.3 | 253.6 | 128.2 |
| SI | 1726.5 | 1915.8 | 232.9 | 323.6 | 41.7 | 0.0 | 1726.5 | 1915.8 | : | : | : | : | : | 75.8 | 341.7 | 167.7 | 0.3 | 72.9 |
| SK | 2336.8 | 2542.4 | 54.3 | 775.4 | 62.0 | 216.6 | 2120.2 | 2325.8 | 25.0 | 29.3 | 750.4 | 26.6 | 35.4 | 37.2 | 118.6 | 263.0 | : | 121.3 |
| FI | 7330.5 | 7980.4 | xr:P5 | : | xr:P5 | 574.2 | 6756.3 | 7406.2 | xr:H5 | : | : | xr:E5 | : | 826.8 | : | 280.1 | 435.9 | 362.7 |
| SE | 14394.3 | 16590.6 | : | : | : | : | : | : | : | : | : | : | : | : | : | 149.0 | 118.5 | 948.0 |
| UK | 71026.5 | 74806.9 | 11240.0 | : | 1866.7 | : | : | : | : | : | : | : | : | 3942.8 | 10155.5 | 13258.1 | 22640.6 | 13170.2 |
| IS | 494.3 | 519.0 | 43.8 | : | : | : | : | : | n | : | : | : | : | : | : | 50.3 | : | na |
| LI | : | : | : | : | : | na | : | : | n | : | : | na | : | : | : | : | : | nna |
| NO | 9581.0 | 10965.1 | 376.7 | : | : | n | : | : | : | : | : | : | : | : | : | 356.9 | : | 279.2 |
| BG | 1653.7 | 1711.7 | 301.4 | 301.4 | 45.9 | 43.4 | 1610.3 | 1668.2 | : | : | : | na | : | 23.2 | : | : | : | : |
| HR | 1782.8 | 1782.8 | : | : | 63.7 | : | : | : | : | : | : | 63.7 | : | : | : | : | : | na |
| RO | 4548.9 | 4656.1 | 215.6 | : | : | xr:G5 | : | : | : | : | : | : | : | : | : | 1238.0 | : | 612.1 |
| TR | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | na |
| MK | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | na |
| JP | 105838.2 | 108902.8 | 32604.3 | 57272.2 | 3591.8 | : | : | : | : | : | : | : | : | 43160.6 | : | na | na | na |
| US | 476360.7 | 495711.4 | 131510.4 | 131510.4 | 37508.3 | : | : | : | 23570.2 | 107940.2 | 23570.2 | : | : | 72776.7 | : | na | na | na |

Summary table of data collected (2003)

Currency: Mio national currency

| UNESCO/OECD/Eurostat collection on education systems | | | | | | | | | | | | | | | HBS | NA | CVTS | LCS |
|--|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|---------|----------|----------|---------|---------|------------|
| Country | G5 | G20 | H5 | H20 | E5 | G5b | G5 - G5b | G20-G5b | H5b | H5-H5b | H20-H5b | E5b | E5-E5b | R&D | | | | |
| BE | 15776.9 | 16632.6 | 815.1 | 1465.5 | 158.317 | 255.118 | 15521.8 | 16377.4 | 364.6 | 450.5 | 1100.9 | m | | 1114.9 | | 782.5 | 428.8 | 495.8 |
| CZ | 110891.6 | 116249.5 | 3363.0 | 7950.0 | 6193.1 | 4592.8 | 106298.8 | 111656.7 | 54.4 | 3308.6 | 7895.6 | 69.8 | 6123.3 | 4343.2 | 5581.2 | 7949 | 5944.2 | 4829.2 |
| DK | 93870.0 | 116692.0 | 4467.0 | 27286.0 | : | n | | | n | | | : | | 6694 | : | 5105 | 12181.8 | 2323.1 |
| DE | 94212.1 | 101801.6 | xr:P3 | xr:N20 | 12511.8 | xr:G5 | | | xr:P5 | | | xr:P5 | | 9180.2 | | 8590.0 | 5830.2 | 2781.6 |
| EE | 6793.0 | 7216.0 | : | : | : | xr:G5 | | | : | | | : | | n | 734.5 | 1000.5 | 427.1 | 275.8 |
| EL | 6008.9 | 6135.3 | 309.4 | 2196.5 | 39.4 | 239.42 | 5769.5 | 5895.8 | : | | | : | | 456.8 | 1583.6 | 1878.9 | 0.0 | |
| ES | 32537.2 | 33482.0 | 3862.0 | 3862.0 | 340.3 | 637.8 | 31899.4 | 32844.2 | 894.1 | 2967.9 | 2967.9 | : | | 2491.959 | : | 7171 | 922.7 | 745.6 |
| FR | 90172.5 | 93709.7 | 7047.6 | 11577.1 | 2578.6 | 7552.8 | 82619.7 | 86156.9 | 3521.2 | 3526.4 | 8055.9 | 12.2 | 2566.4 | 6781.0 | : | 5463.6 | 3551.9 | 6079.8 |
| IE | 5709.2 | 6121.4 | 406.8 | 406.8 | 23.8 | : | | | : | | | : | | 362.8 | : | 787.8 | : | 182.0 |
| IT | 60429.9 | 63344.1 | 4184.1 | 11746.3 | 1112.0 | 2507.1 | 57922.8 | 60836.9 | 903.2 | 3280.8 | 10843.0 | n | | 5000 | 7452.5 | 7506.2 | : | 772.3 |
| CY | | | | | | | | | | | | | | | 161.8 | | : | 9.2 |
| LV | 313.2 | 340.2 | 49.6 | 128.3 | 3.5 | xr:G5 | | | xr:H5 | | | xr:E5 | | 10.2 | 45.1 | 109.5 | 9.2 | 3.2 |
| LT | 2732.5 | 2940.1 | 191.8 | 191.8 | 70.6 | xr:G5 | | | xr:H5 | | | xr:E5 | | 121.3 | 13.4 | : | 36.7 | 39.4 |
| LU | 950.3 | 972.9 | : | : | n | : | | | m | | | n | | m | : | 42.7 | 67.5 | 81.7 |
| HU | 1033918.0 | 1108067.0 | 39297.0 | : | 65972.0 | 104300.0 | 929618 | 1003767 | 27013 | 12284.0 | | xr:E5 | | m | | 132798 | 14900.9 | 53076.8 |
| MT | 80.3 | 88.5 | 7.5 | 7.5 | 18.9 | n | | | n | | | 0.921 | 17.98 | n | | 15.8 | : | : |
| NL | 21482.0 | 24164.1 | 1366.4 | 2571.9 | 914.2 | 227.2 | 21254.8 | 23936.9 | n | | | n | | 2271.3 | | 1421.0 | : | 2324.0 |
| AT | 11786.4 | 12432.1 | 317.2 | 317.2 | 364.0 | 437.381 | 11349.1 | 11994.7 | : | | | : | | 898.248 | : | 837.2 | 480.5 | 387.9 |
| PL | 46926.7 | 47312.4 | 5568.2 | 7803.2 | m | 173.5 | 46753.2 | 47138.9 | : | | | : | | 1446.0 | 4801.8 | 9070.5 | 57.9 | 1.9 |
| PT | 7598.5 | 7714.6 | 128.7 | 244.8 | m | 34.846 | 7563.6 | 7679.8 | : | | | : | | xr:A20 | | 1095 | 198.0 | 100.1 |
| SI | 316218.3 | 350062.5 | 42107.8 | 42107.8 | 7956.8 | 10998.2 | 305220.2 | 339064.3 | : | | | n | | 13757.0 | 58461.4 | 31033.2 | 14279.9 | 13317.7 |
| SK | 51025.0 | 52603.1 | 4141.5 | 18284.9 | 1386.9 | 5518.5 | 45506.6 | 47084.6 | 3249.4 | 892.1 | 15035.5 | 446.2 | 940.761 | 906.6 | 2544.0 | 5733.00 | : | 2507.9 |
| FI | 8629.6 | 9359.0 | xr:P5 | : | xr:P5 | xr:G5 | | | xr:H5 | | | xr:E5 | | 961.7 | : | 321.00 | 507.1 | 421.9 |
| SE | 161050.0 | 183609.7 | 86.6 | : | 4692.0 | : | | | n | | | n | | 21318 | 342.8 | 2769.00 | 12352.0 | 10784.9 |
| UK | 54340.8 | 57204.4 | 9009.0 | 11166.5 | 1359.0 | : | | | : | | | : | | 2792 | 6604.0 | 9540.00 | 11524.4 | 9687.8 |
| IS | 59905.4 | 64833.3 | 5915.7 | : | : | : | | | : | | | : | | 2642.296 | 2064.17 | 5915.70 | : | : |
| LI | 80.0 | 101.7 | : | : | : | na | | | na | | | na | | 0.75 | | : | : | : |
| NO | 101745.1 | 120172.1 | 1634.4 | m | : | : | | | : | | | : | | 7495.1 | 1637.24 | 3678 | : | 2955.95717 |
| BG | 1351.0 | 1464.9 | 222.7 | 361.5 | 9.9 | 120.7 | 1230.3 | 1344.2 | 17.612 | 205.0 | 343.9 | na | | 16.7 | | : | : | : |
| HR | 8915.4 | 8987.5 | : | : | : | 168.787 | 8746.6 | 8818.7 | : | | | : | | m | | : | : | : |
| RO | 6669.9 | 6801.5 | : | : | : | xr:G5 | | | : | | | : | | xr:A20 | | 1466 | : | 816.5 |
| TR | 12810.5 | 13463.1 | 192.0 | 192.0 | 243.0 | 374.3 | 12436.2 | 13088.8 | 52.4 | 139.6 | 139.6 | : | | n | | : | : | : |
| MK | 8314.1 | 8533.6 | : | : | : | : | | | : | | | : | | : | | : | : | : |
| JP | 582353.3 | 610955.0 | 160304.1 | 160304.1 | 62822.1 | xr:G5 | | | 29219.62 | 131084.5 | 131084.5 | na | | 31139.0 | 7468152 | : | na | na |
| US | 17586021 | 18181758 | 5474420 | 9731133 | 675158.2 | xr:G5 | : | : | xr:H5 | : | : | xr:E5 | : | xr:A20 | 90361.82 | : | na | na |

Currency: Mio euros

| UNESCO/OECD/Eurostat collection on education systems | | | | | | | | | | | | | | | | | | |
|--|----------|----------|---------|---------|----------|--------|----------|---------|--------|--------|---------|------|--------|--------|---------|---------|---------|---------|
| Country | G5 | G20 | H5 | H20 | E5 | G5b | G5 - G5b | G20-G5b | H5b | H5-H5b | H20-H5b | E5b | E5-E5b | R&D | HBS | NA | CVTS | LCS |
| BE | 15776.9 | 16632.6 | 815.1 | 1465.5 | 158.3 | 255.1 | 15521.8 | 16377.4 | 364.6 | 450.5 | 1100.9 | | | 1114.9 | 0.0 | 782.5 | 428.8 | 495.8 |
| CZ | 3482.1 | 3650.4 | 105.6 | 249.6 | 194.5 | 144.2 | 3337.9 | 3506.1 | 1.7 | 103.9 | 247.9 | 2.2 | 192.3 | 136.4 | 175.3 | 249.6 | 186.7 | 151.6 |
| DK | 12632.7 | 15704.0 | 601.2 | 3672.1 | | | | | | | | | | 900.9 | | 687.0 | 1639.4 | 312.6 |
| DE | 94212.1 | 101801.6 | | | 12511.8 | | | | | | | | | 9180.2 | | 8590.0 | 5830.2 | 2781.6 |
| EE | 434.2 | 461.2 | | | | | | | | | | | | | 46.9 | 63.9 | 27.3 | 17.6 |
| EL | 6008.9 | 6135.3 | 309.4 | 2196.5 | 39.4 | 239.4 | 5769.5 | 5895.8 | | | | | | 456.8 | 1583.6 | 1878.9 | 0.0 | 0.0 |
| ES | 32537.2 | 33482.0 | 3862.0 | 3862.0 | 340.3 | 637.8 | 31899.4 | 32844.2 | 894.1 | 2967.9 | 2967.9 | | | 2492.0 | | 7171.0 | 922.7 | 745.6 |
| FR | 90172.5 | 93709.7 | 7047.6 | 11577.1 | 2578.6 | 7552.8 | 82619.7 | 86156.9 | 3521.2 | 3526.4 | 8055.9 | 12.2 | 2566.4 | 6781.0 | | 5463.6 | 3551.9 | 6079.8 |
| IE | 5709.2 | 6121.4 | 406.8 | 406.8 | 23.8 | | | | | | | | | 362.8 | | 787.8 | : | 182.0 |
| IT | 60429.9 | 63344.1 | 4184.1 | 11746.3 | 1112.0 | 2507.1 | 57922.8 | 60836.9 | 903.2 | 3280.8 | 10843.0 | | | 5000.0 | 7452.5 | 7506.2 | : | 772.3 |
| CY | | | | | | | | | | | | | | | | | : | 15.8 |
| LV | 488.8 | 531.0 | 77.4 | 200.2 | 5.5 | | | | | | | | | 15.9 | 70.4 | 170.9 | 14.3 | 5.0 |
| LT | 791.4 | 851.5 | 55.5 | 55.5 | 20.4 | | | | | | | | | 35.1 | 3.9 | | 10.6 | 11.4 |
| LU | 950.3 | 972.9 | | | | | | | | | | | | | | 42.7 | 67.5 | 81.7 |
| HU | 4076.6 | 4369.0 | 154.9 | | 260.1 | 411.2 | 3665.4 | 3957.8 | 106.5 | 48.4 | 0.0 | | | | | 523.6 | 58.8 | |
| MT | 188.4 | 207.7 | 17.5 | 17.5 | 44.4 | | | | | | | 2.2 | 42.2 | | | 37.1 | : | : |
| NL | 21482.0 | 24164.1 | 1366.4 | 2571.9 | 914.2 | 227.2 | 21254.8 | 23936.9 | | | | | | 2271.3 | | 1421.0 | : | 2324.0 |
| AT | 11786.4 | 12432.1 | 317.2 | 317.2 | 364.0 | 437.4 | 11349.1 | 11994.7 | | | | | | 898.2 | | 837.2 | 480.5 | 387.9 |
| PL | 10666.1 | 10753.8 | 1265.6 | 1773.6 | | 39.4 | 10626.7 | 10714.4 | | | | | | 328.7 | 1091.4 | 2061.7 | 13.2 | 0.4 |
| PT | 7598.5 | 7714.6 | 128.7 | 244.8 | | 34.8 | 7563.6 | 7679.8 | | | | | | | | 1095.0 | 198.0 | 100.1 |
| SI | 1352.2 | 1497.0 | 180.1 | 180.1 | 34.0 | 47.0 | 1305.2 | 1449.9 | | | | | | 58.8 | 250.0 | 132.7 | 61.1 | 56.9 |
| SK | 1229.8 | 1267.9 | 99.8 | 440.7 | 33.4 | 133.0 | 1096.8 | 1134.9 | 78.3 | 21.5 | 362.4 | 10.8 | 22.7 | 21.9 | 61.3 | 138.2 | 0.0 | 60.4 |
| FI | 8629.6 | 9359.0 | | | | | | | | | | | | 961.7 | | 321.0 | 507.1 | 421.9 |
| SE | 17579.8 | 20042.3 | 9.5 | | 512.2 | | | | | | | | | 2327.0 | 37.4 | 302.3 | 1348.3 | 1177.2 |
| UK | 78528.2 | 82666.6 | 13019.0 | 16136.8 | 1963.9 | | | | | | | | | 4034.7 | 9543.5 | 13786.3 | 16654.0 | 13999.9 |
| IS | 691.3 | 748.2 | 68.3 | | | | | | | | | | | 30.5 | 23.8 | 68.3 | : | |
| LI | | | | | | | | | | | | | | | | | : | |
| NO | 12712.9 | 15015.3 | 204.2 | | | | | | | | | | | 936.5 | 204.6 | 459.6 | : | 369.3 |
| BG | 693.2 | 751.6 | 114.2 | 185.5 | 5.1 | 61.9 | 631.2 | 689.7 | 9.0 | 105.2 | 176.4 | | | 8.6 | | | : | |
| HR | 1177.9 | 1187.4 | | | | 22.3 | 1155.6 | 1165.1 | | | | | | | | | : | |
| RO | 1776.2 | 1811.3 | | | | | | | | | | | | | | 390.4 | : | 217.4 |
| TR | 7558.5 | 7943.5 | 113.3 | 113.3 | 143.4 | 220.8 | 7337.6 | 7722.7 | 30.9 | 82.4 | 82.4 | | | | | | : | |
| MK | | | | | | | | | | | | | | | | | : | |
| JP | 4446.5 | 4664.8 | 1224.0 | 1224.0 | 479.7 | | | | 223.1 | 1000.9 | 1000.9 | | | 237.8 | 57021.9 | | na | na |
| US | 15546341 | 16072983 | 4839480 | 8602487 | 596851.3 | | | | | | | | | : | 79881.4 | | na | na |

Currency: Mio PPS

| UNESCO/OECD/Eurostat collection on education systems | | | | | | | | | | | | | | | | | | |
|--|----------|----------|---------|---------|----------|--------|----------|---------|--------|--------|---------|------|--------|--------|---------|---------|---------|---------|
| Country | G5 | G20 | H5 | H20 | E5 | G5b | G5 - G5b | G20-G5b | H5b | H5-H5b | H20-H5b | E5b | E5-E5b | R&D | HBS | NA | CVTS | LCS |
| BE | 15306.1 | 16136.2 | 790.7 | 1421.8 | 153.6 | 247.5 | 15058.6 | 15888.7 | 353.7 | 437.1 | 1068.1 | | | 1081.7 | 0.0 | 759.1 | 416.0 | 481.1 |
| CZ | 6529.1 | 6844.6 | 198.0 | 468.1 | 364.6 | 270.4 | 6258.7 | 6574.2 | 3.2 | 194.8 | 464.9 | 4.1 | 360.5 | 255.7 | 328.6 | 468.0 | 350.0 | 284.3 |
| DK | 9448.9 | 11746.2 | 449.6 | 2746.6 | | | | | | | | | | 673.8 | | 513.9 | 1226.2 | 233.8 |
| DE | 84704.8 | 91528.5 | | | 11249.2 | | | | | | | | | 8253.7 | | 7723.2 | 5241.8 | 2500.9 |
| EE | 758.8 | 806.1 | | | | | | | | | | | | | 82.1 | 111.8 | 47.7 | 30.8 |
| EL | 7510.1 | 7668.0 | 386.7 | 2745.2 | 49.2 | 299.2 | 7210.9 | 7368.8 | | | | | | 570.9 | 1979.3 | 2348.3 | 0.0 | 0.0 |
| ES | 37078.0 | 38154.7 | 4401.0 | 4401.0 | 387.8 | 726.8 | 36351.1 | 37427.8 | 1018.9 | 3382.1 | 3382.1 | | | 2839.7 | | 8171.8 | 1051.4 | 849.7 |
| FR | 85124.6 | 88463.8 | 6653.1 | 10929.0 | 2434.2 | 7130.0 | 77994.6 | 81333.8 | 3324.1 | 3329.0 | 7604.9 | 11.5 | 2422.7 | 6401.4 | | 5157.7 | 3353.1 | 5739.4 |
| IE | 4777.2 | 5122.1 | 340.4 | 340.4 | 19.9 | | | | | | | | | 303.6 | | 659.2 | : | 152.3 |
| IT | 61128.5 | 64076.3 | 4232.4 | 11882.0 | 1124.9 | 2536.1 | 58592.4 | 61540.2 | 913.7 | 3318.8 | 10968.4 | | | 5057.8 | 7538.6 | 7593.0 | : | 781.2 |
| CY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | 0.0 | 298.2 | 0.0 | : | 17.0 |
| LV | 1011.9 | 1099.2 | 160.3 | 414.5 | 11.3 | | | | | | | | | 33.0 | 145.6 | 353.8 | 29.7 | 10.4 |
| LT | 1636.9 | 1761.3 | 114.9 | 114.9 | 42.3 | | | | | | | | | 72.6 | 8.0 | | 22.0 | 23.6 |
| LU | 846.6 | 866.7 | | | | | | | | | | | | | | 38.0 | 60.2 | 72.8 |
| HU | 7242.3 | 7761.7 | 275.3 | | 462.1 | 730.6 | 6511.7 | 7031.1 | 189.2 | 86.0 | | | | | | 930.2 | 104.4 | 371.8 |
| MT | 276.3 | 304.6 | 25.7 | 25.7 | 65.0 | | | | | | | 3.2 | 61.9 | | | 54.4 | : | |
| NL | 19851.6 | 22330.1 | 1262.7 | 2376.7 | 844.8 | 210.0 | 19641.6 | 22120.2 | | | | | | 2098.9 | | 1313.2 | : | 2147.6 |
| AT | 11079.9 | 11686.8 | 298.2 | 298.2 | 342.2 | 411.2 | 10668.7 | 11275.6 | | | | | | 844.4 | | 787.0 | 451.7 | 364.7 |
| PL | 21741.9 | 21920.6 | 2579.8 | 3615.4 | | 80.4 | 21661.5 | 21840.2 | | | | | | 670.0 | 2224.7 | 4202.5 | 26.8 | 0.9 |
| PT | 9139.4 | 9279.1 | 154.8 | 294.5 | | 41.9 | 9097.5 | 9237.2 | | | | | | | 0.0 | 1317.1 | 238.2 | 120.4 |
| SI | 1794.7 | 1986.8 | 239.0 | 239.0 | 45.2 | 62.4 | 1732.3 | 1924.4 | | | | | | 78.1 | 331.8 | 176.1 | 81.0 | 75.6 |
| SK | 2557.6 | 2636.7 | 207.6 | 916.5 | 69.5 | 276.6 | 2281.0 | 2360.1 | 162.9 | 44.7 | 753.6 | 22.4 | 47.2 | 45.4 | 127.5 | 287.4 | : | 125.7 |
| FI | 7564.3 | 8203.7 | | | | | | | | | | | | 843.0 | | 281.4 | 444.5 | 369.8 |
| SE | 14779.2 | 16849.4 | 7.9 | | 430.6 | | | | | | | | | 1956.3 | 31.5 | 254.1 | 1133.5 | 989.7 |
| UK | 73943.6 | 77840.3 | 12258.9 | 15194.7 | 1849.2 | | | | | | | | | 3799.2 | 8986.3 | 12981.4 | 15681.7 | 13182.5 |
| IS | 549.8 | 595.0 | 54.3 | | | | | | | | | | | 24.2 | 18.9 | 54.3 | : | |
| LI | | | | | | | | | | | | | | | | | : | |
| NO | 9361.4 | 11056.8 | 150.4 | | | | | | | | | | | 689.6 | 150.6 | 338.4 | : | 272.0 |
| BG | 1979.4 | 2146.3 | 326.2 | 529.6 | 14.5 | 176.9 | 1802.5 | 1969.4 | 25.8 | 300.4 | 503.8 | | | 24.5 | | | : | |
| HR | 1993.8 | 2009.9 | | | | 37.7 | 1956.1 | 1972.2 | | | | | | | | | : | |
| RO | 4785.8 | 4880.3 | | | | | | | | | | | | | | 1051.9 | : | 585.9 |
| TR | 14530.1 | 15270.3 | 217.8 | 217.8 | 275.6 | 424.5 | 14105.6 | 14845.8 | 59.4 | 158.3 | 158.3 | | | | | | : | |
| MK | | | | | | | | | | | | | | | | | : | |
| JP | 3578.9 | 3754.6 | 985.2 | 985.2 | 386.1 | | | | 179.6 | 805.6 | 805.6 | | | 191.4 | 45895.7 | | na | na |
| US | 15008467 | 15516888 | 4672043 | 8304857 | 576201.4 | | | | | | | | | | 77117.6 | | na | na |

Total Household expenditure on education

| Country | Currency | 2000 | 2001 | 2002 | 2003 | 2004 | Comments |
|---------|----------|-----------|-----------|-----------|------------|---------|---|
| BE | Mio € | 1383.37 | 1465.86 | | | | |
| CZ | Mio CZK | 4172.91 | 4486.48 | 4705.17 | 5581.19 | | Calculated from avg capita hhd exp |
| DK | Mio DKK | 2122 | 2412 | 2502 | : | : | Includes education not definable by level |
| DE | Mio € | 2257.74 | 2749.07 | 2597.13 | | | |
| EE | Mio EKK | 477.4 | 612.8 | 739.2 | 777.3 | 738.3 | |
| EL | Mio € | 2313.2 | : | : | : | 2660.30 | |
| ES | Mio € | 3204.13 | 3241.49 | 3397.12 | : | : | |
| FR | Mio € | : | 2216 | : | : | : | |
| IE | Mio € | 412.4 | : | : | : | : | Estimated from average weekly household spend |
| IT | Mio € | 7445.68 | 6998.69 | 6261.03 | 7452.46 | : | Estimated based on avg monthly household expenditure and number of households |
| CY | Mio CYP | : | : | : | 161.8 | : | |
| LV | Mio LVL | 18.56 | : | 38.10 | 45.08 | 55.15 | Estimated from average household expenditure per household member |
| LT | Mio LTL | 8.46 | 9.66 | 9.08 | 13.37 | 15.85 | |
| LU | Mio € | : | : | : | : | : | |
| HU | | : | : | : | : | : | |
| MT | Mio MTL | 12.0 | : | : | : | : | |
| NL | Mio € | 3095.83 | : | : | : | : | |
| AT | Mio € | 248.54 | : | : | : | 850.16 | Estimated from projections |
| PL | Mio PLN | 3993.69 | 4140.61 | 4616.60 | 4801.78 | 4775.35 | Calculated from avg capita hhd exp |
| PT | Mio € | 629.88 | | | | | |
| SI | Mio SIT | 45519.27 | 51196.54 | 57094.14 | 58461.35 | : | |
| SK | Mio SKK | 2004.00 | 2308.00 | 2227.00 | 2544.00 | : | |
| FI | Mio € | : | 109.50 | : | : | : | |
| SE | Mio Kr | : | : | : | 342.82 | 241.39 | Estimated based on average annual household expenditure |
| UK | Mio GBP | 6864.00 | 6968.00 | 7176.00 | 6604.00 | 6708.00 | Estimated based on total weekly expenditure |
| IS | Mio ISK | : | : | 1861.60 | 2064.17 | 2067.98 | Estimated based on a projection of the no of households |
| NO | Mio NOK | : | 1664.39 | 1771.95 | 1637.24 | | |
| BG | | | | | | | |
| RO | | | | | | | |
| HR | Mio HRK | 697.50 | 744.90 | 638.00 | 633.20 | : | |
| TR | Mio TRY | | | | 2468755368 | | |
| US | Mio \$ | 69119.94 | 71499.67 | 84305.22 | 90361.82 | : | Estimated based on average annual expenditures |
| JP | Mio JPY | 7780845.9 | 7166125.4 | 7182967.1 | 7468152.5 | : | Estimated based on the no of households in 2000 |

Source: National Household Budget Surveys

Harmonised household expenditure on education

The data presented in the following table, contains data based on data from national household budget surveys, which has been harmonised as much as possible. A few countries provided data on household expenditure on education broken down by type of expenditure by goods and services. These goods and services were reconciled against the list proposed in the 2005 study "Private household spending on education and training". The data was accordingly adjusted if it was found that the total expenditure contained items which were not classified as expenditure on education.

| Country | Currency | 2000 | 2001 | 2002 | 2003 | 2004 | Comments |
|---------|----------|-----------|-----------|-----------|-----------|---------|---|
| BE | Mio € | | | | | | |
| CZ | Mio CZK | 4172.91 | 4486.48 | 4705.17 | 5581.19 | : | |
| DK | Mio DKK | 1760 | 1968 | 1980 | : | : | Education not definable by level is excluded |
| DE | Mio € | 2257.74 | 2749.07 | 2597.13 | | | Cannot separate out maintenance of a non-household member (I.e. child in higher education) |
| EE | Mio EKK | 451.14 | 579.10 | 698.54 | 734.55 | 697.69 | Expenditures paid by employer or a private company have been removed. Private company expenditures were estimated as an average of 3 - 8 % of total expenditures. |
| EL | Mio € | 1386.5 | 1452.2 | 1517.9 | 1583.6 | 1649.4 | Years 2000 to 2003 estimate |
| ES | Mio € | 3204.13 | 3241.49 | 3397.12 | : | : | |
| FR | Mio € | : | 2047.58 | : | : | : | |
| FR* | Mio € | : | 1342.90 | : | : | : | |
| IE | Mio € | 329.92 | : | : | : | : | Only relates to tuition fees |
| IT | Mio € | 7445.68 | 6998.69 | 6261.03 | 7452.46 | : | Cannot separate out expenses for board & lodgings |
| CY | Mio CYP | : | : | : | 161.8 | : | |
| LV | Mio LVL | 18.56 | : | 38.10 | 45.08 | 55.15 | |
| LT | Mio LTL | 8.46 | 9.66 | 9.08 | 13.37 | 15.85 | |
| LU | Mio € | : | : | : | : | : | |
| HU | | | | | | | |
| MT | Mio MTL | 10.4 | | | | | |
| NL | Mio € | 2232.09 | | | | | Includes other items |
| AT | Mio € | 248.54 | : | : | : | 850.16 | |
| PL | Mio PLN | 3993.69 | 4140.61 | 4616.60 | 4801.78 | 4775.35 | |
| PT | Mio € | 629.88 | | | | | |
| SI | Mio SIT | 45519.27 | 51196.54 | 57094.14 | 58461.35 | : | |
| SI* | Mio SIT | 25308.72 | 28823.65 | 31515.97 | 32270.67 | : | |
| SK | Mio SKK | 2004.00 | 2308.00 | 2227.00 | 2544.00 | : | |
| FI | Mio € | : | 109.50 | : | : | : | |
| SE | Mio Kr | : | : | : | 342.82 | 241.39 | |
| UK | Mio GBP | 6864.00 | 6968.00 | 7176.00 | 6604.00 | 6708.00 | Probably includes maintenance and parental support |
| IS | Mio ISK | : | : | 1861.60 | 2064.17 | 2067.98 | |
| NO | Mio NOK | : | 1664.39 | 1771.95 | 1637.24 | : | |
| BG | | | | | | | |
| RO | | | | | | | |
| TR | | | | | | | |
| JP | Mio JPY | 7780845.9 | 7166125.4 | 7182967.1 | 7468152.5 | : | |
| US | Mio \$ | 69119.94 | 71499.67 | 84305.22 | 90361.82 | : | Cannot separate out expenditure on ancillary services and recreational and other instructions |

Notes

SI* Spending on ancillary services has been removed

FR* Spending on ancillary services has been removed

Breakdown of final consumption expenditure of households by consumption purpose - COICOP 2-digit - Current prices

Breakdown of final consumption expenditure of households on education - National Accounts

Millions of national currency (including 'euro fixed' series for euro-zone countries)

| Country | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2005 |
|---------|---------|---------|---------|---------|---------|-------|-------|
| BE | 635.8 | 741 | 757.1 | 782.5 | 811 | : | : |
| CZ | 6517 | 6085 | 6763 | 7949 | 8000 | : | : |
| DK | 4652 | 4641 | 4978 | 5105 | 5288 | : | : |
| DE | 7890 | 8080 | 8490 | 8590 | 8730 | : | : |
| EE | 625.1 | 821.1 | 891.1 | 1000.5 | 862.6 | 860.2 | 860.2 |
| EL | 1321.4 | 1322.4 | 1761.2 | 1878.9 | 1923.1 | : | : |
| ES | 6423 | 6663 | 6914 | 7171 | : | : | : |
| FR | 4774.2 | 4929.7 | 5170 | 5463.6 | : | : | : |
| IE | 444.7 | 506 | 671.5 | 787.8 | 787.5 | : | : |
| IT | 6824.5 | 7038.3 | 7084.8 | 7506.2 | 8017.5 | : | : |
| CY | | | | | | | |
| LV | 54.1 | 58.9 | 66.1 | 109.5 | : | : | : |
| LT | 201.1 | 225 | : | : | : | : | : |
| LU | 37 | 38.2 | 39.1 | 42.7 | 42.8 | : | : |
| HU | 80122 | 93516 | 108217 | 132798 | 138812 | : | : |
| MT | 14 | 14.5 | 16.2 | 15.8 | 16.1 | 16.3 | 16.3 |
| NL | 1161 | 1216 | 1299 | 1421 | 1467 | : | : |
| AT | 557.9 | 669.8 | 786.7 | 837.2 | 878.8 | : | : |
| PL | 6757.7 | 7746.3 | 8605.3 | 9070.5 | : | : | : |
| PT | 922 | 973 | 1034 | 1095 | : | : | : |
| SI | 22005.5 | 24618.5 | 28062.3 | 31033.2 | 36158.7 | : | : |
| SK | 3258 | 4718 | 4945 | 5733 | 8213 | : | : |
| FI | 298 | 308 | 314 | 321 | 350 | : | : |
| SE | 2396 | 2506 | 1618 | 2769 | 3095 | : | : |
| UK | 9534 | 9409 | 9381 | 9540 | 9950 | : | : |
| IS | 4265.7 | 4747.7 | 5373.4 | 5915.7 | 6120.3 | : | : |
| LI | | | | | | | |
| NO | 2980 | 3642 | 3784 | 3678 | : | : | : |
| BG | 150.3 | : | : | : | : | : | : |
| HR | | | | | | | |
| RO | 494.6 | 931.6 | 1420.6 | 1466 | : | : | : |
| TR | : | : | : | : | : | : | : |
| MK | : | : | : | : | : | : | : |
| JP | : | : | : | : | : | : | : |
| US | | | | | | | |

Estimate of vocational training costs of enterprises

Method 1 : Estimating costs of vocational training based on the EU-Labour Cost Survey

The vocational training costs of enterprises was estimated from the EU-Labour Cost survey which was conducted in 2000. Firstly the total cost of enterprises for the NACE categories C to K were projected forward from the year 2000 using the labour cost index. Then the vocational training costs of enterprises was calculated according to the share of costs devoted to vocational training in 2000.

Currency: Mio national currency

| Country | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|---------|---------|---------|---------|---------|---------|---------|
| BE | 444.4 | 466.6 | 489.5 | 495.8 | 506.8 | : |
| CZ | 3878.9 | 4246.0 | 4560.2 | 4829.2 | 5123.8 | 5354.4 |
| DK | 2069.3 | 2162.4 | 2244.6 | 2323.1 | 2399.8 | 2467.0 |
| DE | 2590.6 | 2655.3 | 2713.8 | 2781.6 | 2812.2 | 2837.5 |
| EE | 199.2 | 224.5 | 252.8 | 275.8 | 293.7 | 325.1 |
| EL | 21.3 | | | | | |
| ES | 639.8 | 675.7 | 711.5 | 745.6 | 776.2 | 804.9 |
| FR | 5447.4 | 5708.9 | 5931.5 | 6079.8 | 6256.1 | 6456.3 |
| IE | 152.9 | 165.9 | 172.5 | 182.0 | 191.1 | |
| IT | 651.5 | 688.7 | 726.5 | 772.3 | 807.1 | 839.3 |
| CY | 7.3 | 7.8 | 8.4 | 9.2 | 10.3 | 11.9 |
| LV | 2.9 | 3.0 | 3.1 | 3.2 | 3.4 | 3.7 |
| LT | 34.7 | 36.5 | 37.8 | 39.4 | 40.4 | 42.9 |
| LU | 59.1 | 67.9 | 77.1 | 81.7 | 88.5 | 95.1 |
| HU | 48433.8 | 49935.2 | 51133.7 | 53076.8 | 55624.4 | 56959.4 |
| MT | : | : | : | : | : | : |
| NL | 2000.1 | 2116.1 | 2232.5 | 2324.0 | 2405.4 | 2453.5 |
| AT | 359.9 | 368.9 | 380.0 | 387.9 | 386.0 | 401.8 |
| PL | 1.5 | 1.8 | 1.9 | 1.9 | 2.0 | 2.1 |
| PT | 88.0 | 92.8 | 97.7 | 100.1 | 103.4 | 105.4 |
| SI | 10368.8 | 11727.1 | 12184.5 | 13317.7 | 14116.7 | 15020.2 |
| SK | 1824.9 | 1963.6 | 2277.8 | 2507.9 | 2635.8 | 2875.6 |
| FI | 363.5 | 387.8 | 406.0 | 421.9 | 440.0 | 456.3 |
| SE | 9451.6 | 9943.0 | 10281.1 | 10784.9 | 11119.2 | 11452.8 |
| UK | 8441.3 | 8914.0 | 9306.2 | 9687.8 | 10317.5 | 10627.0 |
| IS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NO | 2956.0 | 2956.0 | 2956.0 | 2956.0 | 2956.0 | 2956.0 |
| BG | : | : | : | : | : | : |
| RO | 377.7 | 553.6 | 701.5 | 816.5 | 950.4 | 1091.1 |
| TR | : | : | : | : | : | : |
| JP | : | : | : | : | : | : |
| US | : | : | : | : | : | : |

Estimate of vocational training costs of enterprises

Method 2 : Estimating costs of vocational training based on the CVTS2

The vocational training costs of enterprises was estimated from the CVTS2 survey which was conducted in 1999. Firstly the total cost of enterprises for the NACE categories C to K were projected forward from the year 1999 using the labour cost index. Then the vocational training costs of enterprises was calculated according to the share of costs devoted to vocational training in 1999 for the NACE categories C to K + O

| Country | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|-----------|---------|---------|---------|---------|---------|---------|
| BE | 384.3 | 403.5 | 423.3 | 428.8 | 438.2 | 0.0 |
| CZ | 145.1 | 164.1 | 176.3 | 186.7 | 198.0 | 207.0 |
| DK | 1460.3 | 1526.0 | 1584.0 | 1639.4 | 1693.5 | 1740.9 |
| DE | 5429.8 | 5565.5 | 5688.0 | 5830.2 | 5894.3 | 5947.4 |
| EE | 19.7 | 22.2 | 25.0 | 27.3 | 29.1 | 32.2 |
| EL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ES | 791.7 | 836.1 | 880.4 | 922.7 | 960.5 | 996.0 |
| FR | 3182.4 | 3335.2 | 3465.3 | 3551.9 | 3654.9 | 3771.9 |
| IE | : | : | : | : | : | : |
| IT | : | : | : | : | : | : |
| CY | : | : | : | : | : | : |
| LV | 11.3 | 12.1 | 13.1 | 14.3 | 16.0 | 18.4 |
| LT | 9.7 | 9.8 | 10.2 | 10.6 | 11.1 | 12.4 |
| LU | 59.5 | 62.6 | 64.8 | 67.5 | 69.3 | 73.5 |
| HU | 42.5 | 48.8 | 55.5 | 58.8 | 63.6 | 68.4 |
| MT | : | : | : | : | : | : |
| NL | : | : | : | : | : | : |
| AT | 445.8 | 456.9 | 470.6 | 480.5 | 478.1 | 497.7 |
| PL | 10.4 | 12.5 | 12.7 | 13.2 | 13.6 | 14.1 |
| PT | 174.2 | 183.7 | 193.4 | 198.0 | 204.6 | 208.7 |
| SI | 47.5 | 53.8 | 55.9 | 61.1 | 64.7 | 68.9 |
| SK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| FI | 436.9 | 466.1 | 488.0 | 507.1 | 528.9 | 548.5 |
| SE | 1181.6 | 1243.1 | 1285.3 | 1348.3 | 1390.1 | 1431.8 |
| UK | 14511.2 | 15323.8 | 15998.1 | 16654.0 | 17736.5 | 18268.6 |

Annex 6

Background data

Introduction

This annex presents background information that was used in the study. The following tables are presented in this annex:

- Youth education attainment level – females
- Youth education attainment level – males;
- Early school leavers – males;
- Early school leavers – females;
- Lifelong learning – males;
- Lifelong learning – females;
- Mathematics, science and technology graduates;
- Euro/ECU exchange rates – Annual data;
- Purchasing Power Parities (PPP) and comparative price level indices for the ESA95 aggregates;
- GDP and main components – Current prices;
- Population by sex and age on 1 January of each year;
- Labour Cost Index – Annual data

Abbreviations

Data

| | |
|----|----------------|
| : | Missing data |
| na | Not applicable |
| n | nil |
| P | provisional |

Youth education attainment level - females

Percentage of the female population aged 20 to 24 having completed at least upper secondary education

| | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|--------------|----------|----------|----------|----------|----------|----------|
| EU-25 | 79.2 | 78.9 | 79.4 | 79 | 79.6 | 79.5 |
| BE | 85.2 | 82 | 84.7 | 84.6 | 86.8 | 84.6 |
| CZ | 91.3 | 91.2 | 91.7 | 91.4 | 91.2 | 89.8 |
| DK | 74.8 | 80.7 (i) | 82.3 | 74.2 (b) | 76.3 | 77.5 |
| DE | 74.8 | 73.6 | 73.8 | 73.4 | 74.2 | 71.6 |
| EE | 86.7 | 86.9 | 87.1 | 84.2 | 92.3 | 87 |
| EL | 84.9 | 84.8 | 85.5 | 87.1 | 85.6 | 88.7 |
| ES | 71.8 | 71.2 | 71 | 68.5 | 68.6 | 68.2 |
| FR | 83.5 | 83.2 | 82.8 | 83 | 81.3 | 84.3 |
| IE | 85.4 | 88 | 88 | 88.5 (p) | 88.6 (p) | 88.8 (p) |
| IT | 73.8 | 72.3 | 74 | 73.4 | 78.2 | 78.1 |
| CY | 82.8 | 84.9 | 89.5 | 87 | 83.8 | 88.9 |
| LV | 82.3 | 76.2 (i) | 82.2 (b) | 79.7 | 83.4 | 86.6 |
| LT | 80.3 (i) | 84.3 | 80.5 (b) | 85.8 | 90.1 | 90.1 |
| LU | 75.8 | 69 | 65.5 | 75.6 | 73.4 | 75.8 |
| HU | 84 | 84.7 | 85.9 | 86.1 (b) | 84.9 | 85.4 |
| MT | 40.2 | 38.7 | 42.2 | 46.2 | 54.1 | 51.9 |
| NL | 75.3 | 75.3 | 76.7 | 77.4 | 77.4 | 78.8 |
| AT | 84.4 | 84.3 | 84.5 | 83.0 (b) | 86.3 (i) | 87.7 |
| PL | 91 | 91 | 91.3 | 91.5 | 91.6 | 91.7 |
| PT | 51.6 | 52.3 | 52.6 | 54.7 | 58.8 | 56.6 |
| SI | 89.8 | 87.9 | 92.3 | 94.2 | 93.7 | 93.5 |
| SL | 94.4 | 95.1 | 95.3 | 94.2 | 91.5 | 92.1 |
| FI | 89.9 (b) | 89.6 | 90.4 | 87.9 | 87.9 | 87 |
| SE | 87.6 | 86.8 (b) | 88.3 | 87.1 | 87.6 | 89 |
| UK | 76.8 | 78.5 | 78.4 | 78 | 76.6 | 76.7 |
| BG | 77.1 | 79.7 (b) | 80.2 | 77.4 | 77.2 | 76.3 |
| HR | : | : | 91.7 | 92.1 | 93.7 | 94.4 |
| RO | 77 | 77.3 | 77.3 | 74.8 | 75.8 | 76.4 |
| TR | 46.7 | 49.4 | 52.6 | 54.4 | 49.6 | 50.9 |
| IS | 47.5 | 53.3 | 56.9 | 52.6 (p) | 50.6 (p) | 56.9 (p) |
| NO | 95.5 | 97 | 96.4 | 94.4 | 96.5 | 97.3 |

Source: Eurostat

Youth education attainment level - males

Percentage of the male population aged 20 to 24 having completed at least upper secondary education

| | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| EU-25 | 73.5 | 73.3 | 73.5 | 73.9 | 73.7 | 74.4 |
| BE | 76.7 | 76.9 | 77.6 | 78 | 77.4 | 76 |
| CZ | 90.8 | 89.7 | 91.8 | 92.7 | 90.5 | 90.8 |
| DK | 64.5 | 75.8 ⁽ⁱ⁾ | 76.7 | 71.8 ^(b) | 73.2 | 74.5 |
| DE | 74.6 | 73.6 | 72.6 | 71.6 | 71.5 | 70.4 |
| EE | 80.7 | 72.8 | 73.7 | 78.5 | 72.5 | 74.9 |
| EL | 73.5 | 75 | 75.8 | 76.4 | 78.2 | 79.4 |
| ES | 60.2 | 58.5 | 57.2 | 56 | 53.9 | 54.8 |
| FR | 79.6 | 80.3 | 80.5 | 78.8 | 78.2 | 81.2 |
| IE | 79.5 | 81.2 | 79.9 | 82.1 ^(p) | 82.1 ^(p) | 83.4 ^(p) |
| IT | 63.6 | 61.6 | 64.2 | 66.4 | 67.6 | 67.8 |
| CY | 74.4 | 75.4 | 76.7 | 71.3 | 70.7 | 72 |
| LV | 71.4 | 64.6 ⁽ⁱ⁾ | 64.4 ^(b) | 68.5 | 70.7 | 77 |
| LT | 75.6 ⁽ⁱ⁾ | 78.1 | 78.1 ^(b) | 78.3 | 82.2 | 80.5 |
| LU | 79.2 | 67 | 74 | 69.7 | 71.6 | 66.6 |
| HU | 83.1 | 84.2 | 85.6 | 83.9 ^(b) | 81.9 | 81.3 |
| MT | 41.6 | 41.4 | 36.1 | 39.8 | 48.8 | 44.5 |
| NL | 68.1 | 68.9 | 70 | 71.6 | 71 | 70.6 |
| AT | 85 | 83.9 | 85.7 | 83.9 ^(b) | 86.2 ⁽ⁱ⁾ | 84.1 |
| PL | 84.5 | 86.3 | 84.8 | 86.1 | 87.4 | 88.4 |
| PT | 34 | 34.8 | 35.9 | 40.7 | 39.4 | 40.4 |
| SI | 84.5 | 83.9 | 87.9 | 87.4 | 86 | 87.8 |
| SL | 94.5 | 93.7 | 92.6 | 94.1 | 91.1 | 90.9 |
| FI | 85.6 ^(b) | 83.4 | 81.9 | 82.5 | 81.2 | 82.5 |
| SE | 82.8 | 84.2 ^(b) | 85.2 | 84.1 | 85.1 | 86.6 |
| UK | 76 | 75.6 | 76 | 78.1 | 76.2 | 77.5 |
| BG | 72.8 | 76.6 ^(b) | 75 | 73.9 | 74.8 | 77.3 |
| HR | : | : | 88.9 | 89.5 | 91.5 | 93.5 |
| RO | 74.5 | 77.2 | 73.1 | 72.8 | 73.8 | 74.1 |
| TR | 32.4 | 32.8 | 34.5 | 37 | 35.1 | 38 |
| IS | 44.8 | 39.2 | 40.5 | 49.1 ^(p) | 51.9 ^(p) | 49.4 ^(p) |
| NO | 94.7 | 95.2 | 93.5 | 92.2 | 94.2 | 95.2 |

Source: Eurostat

Early school leavers - males

Percentage of the population aged 18-24 with at most lower secondary education and not in further education or training

| | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| EU-25 | 19.9 ^(e) | 19.2 ^(e) | 18.9 | 18.1 ^(b) | 18 | 17.3 |
| BE | 14.8 | 15 | 14.9 | 14.7 | 15.6 ^(b) | 15.3 |
| CZ | : | : | 5.3 | 5.2 ^(b) | 5.8 | 6.2 |
| DK | 13.4 | 9.8 | 10.3 | 10.3 ^(b) | 10.4 | 9.4 |
| DE | 14.6 | 12.2 | 12.6 | 12.9 ⁽ⁱ⁾ | 12.2 | 13.5 |
| EE | 16.3 | 17.1 | 15.6 | 16.1 | 20.5 | 17.4 ^(u) |
| EL | 22.9 | 21.3 | 20.7 | 19.9 ^(b) | 18.3 | 17.5 |
| ES | 34.7 | 35.6 | 36.4 | 37.3 | 38.5 | 36.4 ^(b) |
| FR | 14.8 | 15 | 14.9 | 15.3 ^(b) | 16.1 | 14.6 |
| IE | : | : | 18.4 | 15.0 ^(b) | 16.1 ^(p) | 14.9 ^(p) |
| IT | 28.8 | 30.2 | 27.9 | 26.8 | 26.2 | 25.9 |
| CY | 25 | 23.9 | 22.3 | 24.2 ^(b) | 27.2 | 26.6 |
| LV | : | : | 26.7 | 22.7 | 20.5 | 15.5 |
| LT | 18.5 | 18.4 | 15.1 ^(b) | 14.9 | 11.6 ^(u) | 12.2 ^(u) |
| LU | 15.9 | 19 | 14.4 | 14.3 | 12.6 | 17 |
| HU | 14.3 | 13.3 | 12.5 | 12.4 ^(b) | 13.7 | 13.5 |
| MT | 52.5 | 55.3 | 56.5 | 49.7 | 44.2 ^(b) | 43 |
| NL | 16.2 | 16.5 | 15.7 | 15.3 ^(b) | 16.1 | 15.8 |
| AT | 9.6 | 9.7 | 8.7 | 8.6 ^(b) | 9.5 ⁽ⁱ⁾ | 9.4 |
| PL | : | 9.7 | 9.5 | 7.8 | 7.7 ^(b) | 6.9 |
| PT | 50.1 | 51.2 | 52.6 | 47.7 | 47.9 ^(b) | 46.7 |
| SI | : | 9.3 ^(u) | 6.2 ^(u) | 6.2 ^(u) | 5.8 ^(u) | 5.7 ^(u) |
| SL | : | : | 6.7 | 5.2 ^(b) | 7.8 | 6 |
| FI | 11.3 ^(b) | 13 | 12.6 | 10.1 ^(b) | 10.6 | 11.3 |
| SE | 9.2 | 11.3 ^(b) | 11.4 | 9.8 ^(b) | 9.3 | 9.3 ^(p) |
| UK | 19 | 18.7 | 18.8 | 17.1 | 15.7 ⁽ⁱ⁾ | 14.7 |
| BG | : | 21.1 | 22.5 | 23.3 | 22.1 | 19.5 |
| HR | : | : | 9.1 ^(u) | 10.0 ^(u) | 7.1 ^(u) | 5.6 ^(u) |
| RO | 23.3 | 21.4 | 24.3 | 24.7 | 24.9 ^(b) | 21.4 |
| TR | 65.8 | 65.4 | 63.5 | 61.3 | 62 | 58.2 |
| IS | 29.9 | 35 | 32.7 | 27.0 ^(p) | 27.8 ^(p) | 30.5 ^(p) |
| NO | 13.2 | 10 | 14.9 | 7.9 ^(b) | 5.2 | 5.3 |

Source: Eurostat

Early school leavers - females

Percentage of the population aged 18-24 with at most lower secondary education and not in further education or training

| | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| EU-25 | 15.5 ^(e) | 14.8 ^(e) | 14.4 | 14.2 ^(b) | 13.1 | 13.1 |
| BE | 10.2 | 12.3 | 9.9 | 10.8 | 8.3 ^(b) | 10.6 |
| CZ | : | : | 5.7 | 6.8 ^(b) | 6.5 | 6.6 |
| DK | 9.9 | 8.2 | 6.9 | 10.2 ^(b) | 6.7 | 7.5 |
| DE | 15.2 | 12.8 | 12.6 | 12.8 ⁽ⁱ⁾ | 11.9 | 14.1 |
| EE | 12.1 ^(u) | 11.0 ^(u) | 9.6 ^(u) | : ^(u) | : ^(u) | 10.7 ^(u) |
| EL | 13.6 | 13.4 | 12.6 | 11.0 ^(b) | 11.6 | 9.2 |
| ES | 23.4 | 22.7 | 23.1 | 25 | 24.6 | 25.0 ^(b) |
| FR | 11.9 | 12 | 11.9 | 12.2 ^(b) | 12.3 | 10.7 |
| IE | : | : | 10.9 | 9.5 ^(b) | 9.7 ^(p) | 9.6 ^(p) |
| IT | 21.9 | 22.6 | 20.7 | 20.1 | 18.4 | 17.8 |
| CY | 13.9 | 13.1 | 11 | 11.8 ^(b) | 14.9 | 10.6 |
| LV | : | : | 12.2 | 13.4 | 10.7 | 8.2 |
| LT | 14.9 | 9.3 | 13.4 ^(b) | 8.9 | 7.4 ^(u) | 6.2 ^(u) |
| LU | 17.6 | 17.2 | 19.6 | 10.2 | 12.7 | 9.6 |
| HU | 13.2 | 12.6 | 11.8 | 11.1 ^(b) | 11.4 | 11.1 |
| MT | 56.1 | 53.5 | 49.7 | 46.8 | 39.5 ^(b) | 39.3 |
| NL | 14.8 | 14.1 | 14.3 | 13.0 ^(b) | 11.9 | 11.2 |
| AT | 10.7 | 10.7 | 10.2 | 9.9 ^(b) | 7.9 ⁽ⁱ⁾ | 8.5 |
| PL | : | 6 | 5.6 | 4.7 | 3.7 ^(b) | 4 |
| PT | 35.1 | 36.7 | 37.5 | 33 | 30.6 ^(b) | 30.1 |
| SI | : | 5.6 ^(u) | 3.3 ^(u) | 2.3 ^(u) | 2.6 ^(u) | 2.8 ^(u) |
| SL | : | : | 4.6 | 4.7 ^(b) | 6.4 | 5.7 |
| FI | 6.5 ^(b) | 7.7 | 7.3 | 6.5 ^(b) | 6.9 | 7.3 |
| SE | 6.2 | 9.7 ^(b) | 9.3 | 8.2 ^(b) | 7.9 | 7.9 ^(p) |
| UK | 17.9 | 16.7 | 16.7 | 16.5 | 14.2 ⁽ⁱ⁾ | 13.2 |
| BG | : | 19.5 | 19.6 | 21.6 | 20.7 | 20.6 |
| HR | : | : | 7.4 ^(u) | 6.7 ^(u) | 5.2 ^(u) | 3.8 ^(u) |
| RO | 21.3 | 21.3 | 22.1 | 21.7 | 22.4 ^(b) | 20.1 |
| TR | 51.2 | 48.8 | 45.4 | 44 | 46.6 | 43.8 |
| IS | 29.6 | 26.5 | 24.8 | 18.6 ^(p) | 27.0 ^(p) | 22.0 ^(p) |
| NO | 13.5 | 8.4 | 13.1 | 5.3 ^(u) | 3.7 | 3.9 |

Source: Eurostat

Life-long learning -males

Percentage of the adult male population aged 25 to 64 participating in education and training

| | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|--------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|
| EU-25 | 7.4 ^(e) | 7.2 ^(e) | 7.2 | 8.5 ^(b) | 9.4 | 10.1 |
| BE | 7.6 | 7.7 | 6.8 | 8.3 | 9.7 ^(b) | 10.3 |
| CZ | : | : | 6.1 | 5.1 ^(b) | 6 | 5.5 |
| DK | 17.9 | 16.4 | 16.2 | 23.3 ^(b) | 23.4 | 24.2 |
| DE | 5.6 | 5.7 | 6.1 | 6.4 ⁽ⁱ⁾ | 7.8 ⁽ⁱ⁾ | 8.3 |
| EE | 4.1 | 4.1 | 3.6 | 5.2 | 5.8 | 4.2 ^(u) |
| EL | 1.1 | 1.6 | 1.3 | 2.7 ^(b) | 2 | 1.9 |
| ES | 4.5 | 4.3 | 4.5 | 5.3 | 4.7 | 11.2 ^(b) |
| FR | 2.6 | 2.5 | 2.4 | 7.1 ^(b) | 7.6 | 7.4 |
| IE | : | : | 6.4 | 8.3 ^(b) | 6.1 | 6.6 |
| IT | 5.5 | 4.9 | 4.5 | 4.2 | 6.5 ^(b) | 5.7 |
| CY | 3.1 | 3.4 | 3.6 | 7.1 ^(b) | 9 | 5.1 |
| LV | : | : | 5.2 | 5.7 | 6.1 | 4.9 |
| LT | 1.9 | 2.3 | 2.3 ^(b) | 3.3 | 5.0 ^(b) | 4.9 |
| LU | 5.7 | 5.9 | 8.9 | 6.8 ^(b) | 9.5 | 8.5 |
| HU | 2.7 | 2.5 | 2.8 | 5.4 ^(b) | 3.9 | 3.5 |
| MT | 5.6 | 5.8 | 4.9 | 4.9 | 5.5 ^(b) | 6.7 |
| NL | 16.4 | 17 | 16.9 | 17.0 ^(b) | 17 | 16.6 |
| AT | 9.2 | 8.7 | 7.6 | 12.6 ^(b) | 11.5 ⁽ⁱ⁾ | 13.1 |
| PL | : | 4.2 | 3.9 | 4.5 | 4.7 ^(b) | 4.3 |
| PT | 3.3 | 3 | 2.4 | 3.4 | 4.4 ^(b) | 4.5 |
| SI | : | 6.9 | 8.8 | 13.9 ^(b) | 16.1 | 16 |
| SL | : | : | 8.7 | 4.9 ^(b) | 3.9 | 4.7 |
| FI | 17.7 ^(b) | 17.1 | 16.5 | 21.8 ^(b) | 20.9 | 21.1 |
| SE | 19.2 | 15.4 ^(b) | 15.7 | 31.0 ^(b) | 29.2 | 29.9 |
| UK | 17.7 | 17.8 | 18.4 | 17.4 | 24.2 ⁽ⁱ⁾ | 24.2 |
| BG | : | 1.5 | 1.4 | 1.2 | 1.1 | 1.1 |
| HR | : | : | 2 | 2.1 | 1.8 ^(u) | 2.3 |
| RO | 1 | 1.1 | 1.2 | 1.1 | 1.6 ^(b) | 1.5 |
| TR | 0.8 | 0.7 | 0.6 | 0.7 | 0.9 | 1.4 |
| IS | 20.4 | 19 | 20.4 | 27.6 ^(b) | 18.9 | 23.5 |
| NO | 12.8 | 13.8 | 12.6 | 18.4 ^(b) | 18 | 17.8 |

Source: Eurostat

Life-long learning - females

Percentage of the adult female population aged 25 to 64 participating in education and training

| | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|--------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|
| EU-25 | 8.4 ^(e) | 8.4 ^(e) | 8.5 | 10.0 ^(b) | 11.1 | 11.9 |
| BE | 6 | 6.9 | 6.3 | 8.7 | 9.3 ^(b) | 9.7 |
| CZ | : | : | 5.7 | 5.7 ^(b) | 6.5 | 6.4 |
| DK | 23.8 | 19.1 | 20.7 | 28.1 ^(b) | 31.9 | 31 |
| DE | 4.8 | 4.8 | 5.5 | 5.6 ^(f) | 7.0 ^(f) | 8 |
| EE | 7.6 | 6.3 | 6.7 | 7.1 | 7.6 | 7.5 |
| EL | 1.1 | 1.3 | 1.2 | 2.7 ^(b) | 2.1 | 1.7 |
| ES | 5.4 | 5.4 | 5.3 | 6.3 | 5.6 | 13.1 ^(b) |
| FR | 3.1 | 3 | 3 | 7.7 ^(b) | 7.9 | 7.9 |
| IE | : | : | 8.7 | 10.9 ^(b) | 8.4 | 9.4 |
| IT | 5.4 | 5.2 | 4.7 | 5.2 | 7.2 ^(b) | 6.6 |
| CY | 3.2 | 3.4 | 3.8 | 8.5 ^(b) | 9.6 | 6.1 |
| LV | : | : | 10.9 | 10.2 | 11.8 | 10 |
| LT | 3.6 | 4.8 | 4.2 ^(b) | 5.7 | 7.9 ^(b) | 7.6 |
| LU | 3.9 | 4.7 | 6.4 | 6.1 ^(b) | 10.1 | 8.5 |
| HU | 3.4 | 3.4 | 3.6 | 6.5 ^(b) | 5.3 | 4.8 |
| MT | 3.5 | 3.4 | 3.8 | 3.6 | 4.2 ^(b) | 4.8 |
| NL | 14.7 | 15.5 | 15.9 | 17.8 ^(b) | 17.7 | 16.7 |
| AT | 7.4 | 7.7 | 7.3 | 12.3 ^(b) | 12.5 ^(f) | 14.5 |
| PL | : | 5.5 | 4.7 | 5.5 | 6.3 ^(b) | 5.6 |
| PT | 3.5 | 3.7 | 3.4 | 4 | 5.1 ^(b) | 4.7 |
| SI | : | 8.2 | 9.4 | 16.3 ^(b) | 19.8 | 19.6 |
| SL | : | : | 9.4 | 4.7 ^(b) | 5.2 | 5.2 |
| FI | 21.6 ^(b) | 21.4 | 21.4 | 28.9 ^(b) | 28.2 | 28.6 |
| SE | 24.1 | 19.7 ^(b) | 21.2 | 38.8 ^(b) | 37.7 | 39.7 |
| UK | 24.4 | 25.6 | 26.2 | 25.3 | 33.9 ^(f) | 33.9 |
| BG | : | 1.4 | 1.3 | 1.6 | 1.4 | 1.1 |
| HR | : | : | 2.2 | 2.1 | 2.3 | 2.3 |
| RO | 0.8 | 1 | 1 | 1.5 | 1.6 ^(b) | 1.7 |
| TR | 1.3 | 1.3 | 1.2 | 1.6 | 1.6 | 2.6 |
| IS | 26.7 | 28.1 | 27.7 | 35.6 ^(b) | 29.1 | 29.7 |
| NO | 13.8 | 14.5 | 14 | 20.4 ^(b) | 19.7 | 21 |

Source: Eurostat

Mathematics, science and technology graduates

Graduates (ISCED 5-6) in mathematics, science and technology per 1000 of population aged 20-29, since 1993

| | 2000a00 | 2001a00 | 2002a00 | 2003a00 | 2004a00 |
|-------|---------|---------|---------|---------|---------|
| EU-25 | 10.2 | 11 | 11.5 | 12.3 | 12.7 |
| BE | 9.7 | 10.1 | 10.5 | 11 | 11.2 |
| CZ | 5.5 | 5.6 | 6 | 6.4 | 7.4 |
| DK | 11.7 | 12.2 | 11.7 | 12.5 | 13.8 |
| DE | 8.2 | 8 | 8.1 | 8.4 | 9 |
| EE | 7 | 7.3 | 6.6 | 8.8 | 8.9 |
| EL | : | : | : | : | 8 |
| ES | 9.9 | 11.2 | 11.9 | 12.6 | 12.5 |
| FR | 19.6 | 20.2 | : | 22 | : |
| IE | 24.2 | 22.9 | 20.5 | 24.2 | 23.1 |
| IT | 5.7 | 6.1 | 7.4 | 9 | 10.1 |
| CY | 3.4 | 3.7 | 3.8 | 3.6 | 4.2 |
| LV | 7.4 | 7.6 | 8.1 | 8.6 | 9.4 |
| LT | 13.5 | 14.8 | 14.6 | 16.3 | 17.5 |
| LU | 1.8 | : | : | : | : |
| HU | 4.5 | 3.7 | 4.8 | 4.8 | 5.1 |
| MT | 3.4 | 2.7 | 3.1 | 3.6 | : |
| NL | 5.8 | 6.1 | 6.6 | 7.3 | 7.9 |
| AT | 7.2 | 7.3 | 7.9 | 8.2 | 8.7 |
| PL | 6.6 | 7.6 | 8.3 | 9 | 9.4 |
| PT | 6.3 | 6.6 | 7.4 | 8.2 | 11 |
| SI | 8.9 | 8.2 | 9.5 | 8.7 | 9.3 |
| SK | 5.3 | 7.5 | 7.8 | 8.3 | 9.2 |
| FI | 16 | 17.2 | 17.4 | 17.4 | : |
| SE | 11.6 | 12.4 | 13.3 | 13.9 | 15.9 |
| UK | 16.6 | 20 | 20.3 | 21 | 18.1 |
| BG | 6.6 | 7.9 | 11.7 | 8.3 | 8.5 |
| HR | : | : | : | 5.6 | 5.4 |
| RO | 4.5 | 4.9 | 5.8 | 9.4 | 9.8 |
| TR | : | : | : | 5.2 | 5.6 |
| IS | 8.4 | 9.1 | 9.2 | 9.5 | 10.8 |
| LI | : | : | : | 5.6 | 0.9 |
| NO | 7.9 | 8.6 | 7.7 | 9.3 | 9 |
| MK | 3.7 | 3.1 | 3.1 | 3.3 | 3.7 |
| US | 9.7 | 9.9 | 10 | 10.9 | 10.2 |
| JP | 12.6 | 12.8 | 13 | 13.2 | 13.4 |

Source: Eurostat

Female graduates (ISCED 5-6) in mathematics, science and technology per 1000 of female population aged 20-29, since 1993

| <> | 2000a00 | 2001a00 | 2002a00 | 2003a00 | 2004a00 |
|-------|---------|---------|---------|---------|---------|
| EU-25 | 6.3 | 6.8 | 7.1 | 7.8 | 7.9 |
| BE | 4.9 | 4.9 | 5.2 | 5.6 | 5.7 |
| CZ | 3 | 3.1 | 3.5 | 3.8 | 4.4 |
| DK | 6.8 | 7.1 | 7.5 | 7.6 | 9 |
| DE | 3.6 | 3.6 | 3.8 | 4 | 4.3 |
| EE | 5 | 4.9 | 5.4 | 7.6 | 7.4 |
| EL | : | : | : | : | 6.8 |
| ES | 6.4 | 7.2 | 7.5 | 7.8 | 7.7 |
| FR | 12.1 | 12 | : | 13.4 | : |
| IE | 18.5 | 16.8 | 14.6 | 16.8 | 14.5 |
| IT | 4.3 | 4.5 | 5.4 | 6.5 | 7.6 |
| CY | 2 | 2.5 | 2.1 | 3 | 3.2 |
| LV | 4.7 | 6.4 | 6.5 | 6.6 | 6.3 |
| LT | 9.7 | 10.6 | 10.9 | 11.8 | 12.6 |
| LU | : | : | : | : | : |
| HU | 2.1 | 2.2 | 2.8 | 2.6 | 2.9 |
| MT | 1.9 | 1.4 | 1.7 | 2.3 | : |
| NL | 2.1 | 2.1 | 2.4 | 2.7 | 3.1 |
| AT | 2.9 | 3.1 | 3.4 | 3.5 | 4 |
| PL | 4.8 | 5.5 | 5.9 | 6.1 | 6.4 |
| PT | 5.4 | 5.6 | 6.1 | 6.9 | 9.1 |
| SI | 4.2 | 4.1 | 4.8 | 4.6 | 4.8 |
| SK | 3.2 | 4.9 | 5.3 | 5.8 | 6.6 |
| FI | 8.9 | 9.4 | 9.9 | 10.4 | : |
| SE | 7.6 | 8.4 | 9.3 | 9.7 | 11 |
| UK | 10.7 | 13.1 | 13.3 | 14.5 | 11.3 |
| BG | 6.1 | 6.5 | 9.5 | 7.2 | 7.2 |
| HR | : | : | : | 3.5 | 3.6 |
| RO | 3.2 | 3.5 | 4.4 | 7.5 | 7.7 |
| TR | : | : | : | 3.3 | 3.5 |
| IS | 6.5 | 6.6 | 6.2 | 6.9 | 8.3 |
| LI | : | : | : | 4.1 | 0.9 |
| NO | 4.3 | 4.4 | 4.2 | 5.1 | 4.4 |
| MK | 3.1 | 2.6 | 2.8 | 2.8 | 3.5 |
| US | 6.2 | 6.4 | 6.6 | 7.1 | 6.4 |
| JP | 3.3 | 3.6 | 3.8 | 3.9 | 4 |

Source: Eurostat

Male graduates (ISCED 5-6) in mathematics, science and technology per 1000 of male population aged 20-29, since 1993

| | 2000a00 | 2001a00 | 2002a00 | 2003a00 | 2004a00 |
|-------|---------|---------|---------|---------|---------|
| EU-25 | 14 | 15.1 | 15.7 | 16.7 | 17.3 |
| BE | 14.4 | 15.2 | 15.7 | 16.4 | 16.6 |
| CZ | 7.8 | 8 | 8.3 | 8.8 | 10.2 |
| DK | 16.5 | 17.3 | 15.7 | 17.3 | 18.6 |
| DE | 12.6 | 12.2 | 12.2 | 12.7 | 13.4 |
| EE | 9 | 9.6 | 7.9 | 10 | 10.5 |
| EL | : | : | : | : | 9.2 |
| ES | 13.3 | 15.1 | 16.1 | 17.1 | 16.9 |
| FR | 27 | 28.2 | : | 30.5 | : |
| IE | 29.8 | 28.9 | 26.4 | 31.5 | 31.6 |
| IT | 7.2 | 7.7 | 9.4 | 11.4 | 12.6 |
| CY | 4.9 | 5 | 5.6 | 4.2 | 5.2 |
| LV | 10.1 | 8.8 | 9.7 | 10.5 | 12.5 |
| LT | 17.2 | 18.9 | 18.3 | 20.8 | 22.3 |
| LU | : | : | : | : | : |
| HU | 6.8 | 5.1 | 6.8 | 6.9 | 7.1 |
| MT | 4.9 | 4 | 4.5 | 4.8 | : |
| NL | 9.5 | 10 | 10.8 | 11.7 | 12.6 |
| AT | 11.6 | 11.5 | 12.4 | 12.8 | 13.4 |
| PL | 8.3 | 9.7 | 10.6 | 11.8 | 12.4 |
| PT | 7.3 | 7.5 | 8.6 | 9.5 | 12.8 |
| SI | 13.3 | 12 | 13.9 | 12.5 | 13.6 |
| SK | 7.3 | 9.9 | 10.1 | 10.7 | 11.7 |
| FI | 22.7 | 24.6 | 24.6 | 24 | : |
| SE | 15.5 | 16.1 | 17 | 17.9 | 20.6 |
| UK | 22.4 | 27 | 27.2 | 27.5 | 24.8 |
| BG | 7 | 9.3 | 13.8 | 9.4 | 9.6 |
| HR | : | : | : | 6.4 | 7 |
| RO | 5.8 | 6.2 | 7.3 | 11.1 | 11.8 |
| TR | : | : | : | 7 | 7.6 |
| IS | 10.3 | 11.6 | 12.1 | 12 | 13.2 |
| LI | : | : | : | 7.2 | 0.9 |
| NO | 11.4 | 12.6 | 11.1 | 13.4 | 13.4 |
| MK | 4.2 | 3.6 | 3.4 | 3.8 | 4 |
| US | 13 | 13.2 | 13.3 | 14.6 | 13.8 |
| JP | 21.5 | 21.7 | 21.9 | 22.1 | 22.4 |

Source: Eurostat

Euro/ECU exchange rates - Annual data

nac National currency (including 'euro fixed' series for euro-zone countries)

| Country currency | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|
| <i>czk</i> Czech Koruna | 36.884 | 35.599 | 34.068 | 30.804 | 31.846 | 31.891 | 29.782 |
| <i>dkk</i> Danish Krone | 7.4355 | 7.4538 | 7.4521 | 7.4305 | 7.4307 | 7.4399 | 7.4518 |
| <i>EEK</i> Estonian Kroon | 15.6466 | 15.6466 | 15.6466 | 15.6466 | 15.6466 | 15.6466 | 15.6466 |
| <i>cyp</i> Cyprus Pound | 0.57884 | 0.57392 | 0.57589 | 0.5753 | 0.58409 | 0.58185 | 0.57683 |
| <i>lvt</i> Latvian Lats | 0.6256 | 0.5592 | 0.5601 | 0.581 | 0.6407 | 0.6652 | 0.6962 |
| <i>lit</i> Lithuanian Litas | 4.2641 | 3.6952 | 3.5823 | 3.4594 | 3.4527 | 3.4529 | 3.4528 |
| <i>huf</i> Hungarian forint | 252.77 | 260.04 | 256.59 | 242.96 | 253.62 | 251.66 | 248.05 |
| <i>mtl</i> Malta lira | 0.4258 | 0.4041 | 0.403 | 0.4089 | 0.4261 | 0.428 | 0.4299 |
| <i>pln</i> New Polish Zloty | 4.2274 | 4.0082 | 3.6721 | 3.8574 | 4.3996 | 4.5268 | 4.023 |
| <i>sit</i> Slovenian Tolar | 194.4732 | 206.6127 | 217.9797 | 225.9772 | 233.8493 | 239.0874 | 239.5681 |
| <i>skk</i> Slovak Koruna | 44.123 | 42.602 | 43.3 | 42.694 | 41.489 | 40.022 | 38.599 |
| <i>sek</i> Swedish Krona | 8.8075 | 8.4452 | 9.2551 | 9.1611 | 9.1242 | 9.1243 | 9.2822 |
| <i>gbp</i> Pound Sterling | 0.65874 | 0.60948 | 0.62187 | 0.62883 | 0.69199 | 0.67866 | 0.6838 |
| <i>isk</i> Iceland Krona | 77.18 | 72.58 | 87.42 | 86.18 | 86.65 | 87.14 | 78.23 |
| <i>nok</i> Norwegian Krone | 8.3104 | 8.1129 | 8.0484 | 7.5086 | 8.0033 | 8.3697 | 8.0092 |
| <i>bgn</i> New bulgarian Lev | 1.9558 | 1.9522 | 1.9482 | 1.9492 | 1.949 | 1.9533 | 1.9558 |
| <i>hrk</i> Croatian kuna | 7.58046 | 7.64316 | 7.482 | 7.413 | 7.5688 | 7.4967 | 7.4008 |
| <i>rol</i> Romanian leu | 16345 | 19922 | 26004 | 31270 | 37551 | 40510 | 40510 |
| <i>ron</i> New Romanian leu | 1.6345 | 1.9922 | 2.6004 | 3.127 | 3.7551 | 4.051 | 3.6209 |
| <i>try</i> New Turkish lira | 0.44724 | 0.57482 | 1.10242 | 1.43968 | 1.69485 | 1.77705 | 1.6771 |
| <i>jpy</i> Yen (Japan) | 121.32 | 99.47 | 108.68 | 118.06 | 130.97 | 134.44 | 136.85 |
| <i>usd</i> United States Dollar | 1.0658 | 0.9236 | 0.8956 | 0.9456 | 1.1312 | 1.2439 | 1.2441 |

Source: Eurostat

Purchasing power parities (PPP) and comparative price level indices for the ESA95

indic_na *ppp_25* Purchasing power parities (EU25=1)

aggreg95 *00* Gross Domestic Product

| Country | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
|---------|----------|----------|----------|----------|----------|----------|
| BE | 1.07449 | 1.04775 | 1.02969 | 1.02236 | 1.03076 | 1.0306 |
| CZ | 16.314 | 16.352 | 16.7468 | 16.5532 | 16.9841 | 17.0156 |
| DK | 9.61684 | 9.56062 | 9.56892 | 9.75717 | 9.93448 | 9.8386 |
| DE | 1.14806 | 1.1162 | 1.11854 | 1.11035 | 1.11224 | 1.09043 |
| EE | 8.13438 | 8.22096 | 8.67977 | 8.84439 | 8.95221 | 8.98441 |
| EL | 0.778509 | 0.778492 | 0.795533 | 0.784889 | 0.80011 | 0.819013 |
| ES | 0.838326 | 0.844012 | 0.859438 | 0.860198 | 0.877535 | 0.88678 |
| FR | 1.06138 | 1.04074 | 1.03123 | 1.04246 | 1.0593 | 1.06977 |
| IE | 1.05359 | 1.08416 | 1.12875 | 1.16031 | 1.1951 | 1.17814 |
| IT | 0.925393 | 0.918619 | 0.938165 | 0.955161 | 0.988572 | 0.995744 |
| CY | 0.504378 | 0.503614 | 0.503425 | 0.507322 | 0.542535 | 0.522449 |
| LV | 0.278504 | 0.281698 | 0.286413 | 0.29505 | 0.309509 | 0.330308 |
| LT | 1.76241 | 1.70923 | 1.66614 | 1.65889 | 1.6693 | 1.67599 |
| LU | 1.12294 | 1.12287 | 1.14163 | 1.13412 | 1.12249 | 1.1036 |
| HU | 114.409 | 122.209 | 126.36 | 132.964 | 142.761 | 148.16 |
| MT | 0.279974 | 0.278265 | 0.286428 | 0.283831 | 0.290564 | 0.290701 |
| NL | 1.05848 | 1.05142 | 1.05302 | 1.06657 | 1.08213 | 1.06467 |
| AT | 1.06436 | 1.03944 | 1.05395 | 1.05598 | 1.06377 | 1.04313 |
| PL | 1.99786 | 2.07148 | 2.11937 | 2.11556 | 2.15835 | 2.18187 |
| PT | 0.742455 | 0.739714 | 0.754059 | 0.762449 | 0.831396 | 0.829078 |
| SI | 142.567 | 147.69 | 156.301 | 167.093 | 176.196 | 174.491 |
| SK | 17.8984 | 18.2801 | 18.6842 | 18.7785 | 19.9506 | 20.9496 |
| FI | 1.12317 | 1.1134 | 1.11859 | 1.11951 | 1.14083 | 1.12511 |
| SE | 10.6837 | 10.4528 | 10.7024 | 10.8446 | 10.8971 | 10.749 |
| UK | 0.736556 | 0.719376 | 0.714912 | 0.706611 | 0.734895 | 0.738734 |
| BG | 0.591732 | 0.614868 | 0.642501 | 0.673965 | 0.682557 | 0.70982 |
| HR | 4.17562 | 4.23751 | 4.32172 | 4.34393 | 4.47157 | 4.5155 |
| RO | 0.510489 | 0.715306 | 0.953929 | 1.14597 | 1.39368 | 1.55728 |
| TR | 0.219267 | 0.308106 | 0.485933 | 708361 | 0.88165 | 0.927697 |
| IS | 92.7132 | 94.559 | 101.677 | 106.758 | 108.963 | 108.78 |
| NO | 10.5303 | 10.25 | 10.4503 | 10.588 | 10.8686 | 10.7434 |
| MK | : | : | : | : | : | : |
| US | 1.14393 | 1.13658 | 1.14601 | 1.15841 | 1.17174 | 1.16988 |
| JP | 185.357 | 176.053 | 171.087 | 166.424 | 162.72 | 156.439 |

Source: Eurostat

GDP and main components - Current prices

31.12.1998)

blgm Gross domestic product at market prices

| Country | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
|---------|----------|----------|----------|----------|----------|----------|----------|
| EU-25 | 8072748 | 8484454 | 9092292 | 9457585 | 9811288 | 9960564 | 10432359 |
| BE | 227984.8 | 238233.4 | 251740.6 | 258883.5 | 267577.9 | 274582.4 | 288089.1 |
| CZ | 54439.7 | 55345.2 | 60396.6 | 67959.8 | 78388.2 | 80254.4 | 86786.8 |
| DK | 155163.1 | 163199.9 | 173597.9 | 179226.1 | 184743.6 | 189640.5 | 197221.7 |
| DE | 1952107 | 2012000 | 2062500 | 2113160 | 2145020 | 2163400 | 2215650 |
| EE | 4954.7 | 5226.4 | 5939.8 | 6676.1 | 7472.2 | 8138.1 | 9043.1 |
| EL | 108977.3 | 117849.5 | 125892.1 | 133104.6 | 143482.2 | 155543.2 | 168417.2 |
| ES | 536943.1 | 579983 | 630263 | 679842 | 729021 | 780550 | 837316 |
| FR | 1316172 | 1366466 | 1441371 | 1497174 | 1548555 | 1594814 | 1659020 |
| IE | 78810.7 | 90612.4 | 104379 | 117114.1 | 130515.4 | 139097 | 148556.5 |
| IT | 1087220 | 1127091 | 1191057 | 1248648 | 1295226 | 1335354 | 1388870 |
| CY | 8393.7 | 9008 | 9895.1 | 10598.6 | 11073 | 11667.4 | 12468.7 |
| LV | 5911.4 | 6817.5 | 8495.6 | 9319.6 | 9911.1 | 9977.8 | 11144.9 |
| LT | 9896 | 10168.5 | 12407.6 | 13556.3 | 15016.6 | 16442.8 | 18083.4 |
| LU | 17294.3 | 19886.8 | 22000.6 | 22572.3 | 24028.2 | 25683.8 | 27055.7 |
| HU | 41930.8 | 45074.6 | 51038.9 | 58419.3 | 69621.6 | 73538.2 | 81178.8 |
| MT | 3445.1 | 3708.2 | 4240.2 | 4343.8 | 4454 | 4330.3 | 4316.4 |
| NL | 359858.7 | 386193 | 417960 | 447731 | 465214 | 476349 | 488642 |
| AT | 191076.4 | 200025.3 | 210392.3 | 215877.9 | 220687.7 | 226967.9 | 237038.6 |
| PL | 153429.4 | 157616.5 | 185774.7 | 212196 | 209431 | 191408.3 | 203710.6 |
| PT | 105760.3 | 114192.8 | 122270 | 129308.3 | 135433.6 | 137522.8 | 143028.8 |
| SI | 18793.5 | 20151.7 | 20813.6 | 22018.3 | 23699 | 24860.2 | 26146.3 |
| SK | 19762.8 | 19130.8 | 22095.5 | 23570.3 | 26033.7 | 29228.6 | 33862.9 |
| FI | 116643.5 | 120965 | 130859 | 136472 | 140853 | 143807 | 149725 |
| SE | 222886.8 | 238020.2 | 262550.3 | 247253 | 258877.9 | 269548.3 | 282013.5 |
| UK | 1272142 | 1374500 | 1564573 | 1602840 | 1667312 | 1598172 | 1715791 |
| BG | 11386.3 | 12163.9 | 13704.3 | 15249.6 | 16588.9 | 17725.3 | 19595.2 |
| HR | 19305 | 18676.8 | 19955 | 22138.3 | 24447.7 | 26215.8 | 28389.3 |
| RO | 37436.4 | 33387.8 | 40346.4 | 44904.2 | 48441.6 | 52613 | 60818 |
| TR | 177795.8 | 173096.5 | 216736.2 | 161836.4 | 192802.6 | 212268.2 | 242261.6 |
| IS | 7328.3 | 8143.7 | 9345.5 | 8749.4 | 9277.8 | 9554.1 | 10520.6 |
| NO | 133729.2 | 148373 | 181078.9 | 189631.9 | 202318.8 | 197011.9 | 205136.7 |
| MK | 3198.4 | 3448 | 3892.8 | 3838.9 | 4000.9 | 4105.1 | 4325.6 |
| US | 7802216 | 8696191 | 10629060 | 11308620 | 11071912 | 9698727 | 9433475 |
| JP | 3435266 | 4081989 | 5037379 | 4571005 | 4147200 | 3745465 | 3689813 |

Source: Eurostat

mio_nac Millions of national currency (including 'euro fixed' series for
blgm Gross domestic product at market prices

| ◇ | 1998a00 | 1999a00 | 2000a00 | 2001a00 | 2002a00 | 2003a00 | 2004a00 |
|--------------|----------|----------|----------|----------|----------|----------|----------|
| EU-25 | 8072748 | 8484454 | 9092292 | 9457585 | 9811288 | 9960564 | 10432359 |
| BE | 229571.7 | 238233.4 | 251740.6 | 258883.5 | 267577.9 | 274582.4 | 288089.1 |
| CZ | 1962483 | 2041353 | 2150058 | 2315255 | 2414669 | 2555783 | 2767717 |
| DK | 1163615 | 1213473 | 1293964 | 1335611 | 1372737 | 1409162 | 1467310 |
| DE | 1965380 | 2012000 | 2062500 | 2113160 | 2145020 | 2163400 | 2215650 |
| EE | 78027.6 | 81775.9 | 92937.7 | 104459 | 116915.3 | 127333.8 | 141493.4 |
| EL | 105773 | 112686 | 124387.5 | 133104.6 | 143482.2 | 155543.2 | 168417.2 |
| ES | 539519 | 579983 | 630263 | 679842 | 729021 | 780550 | 837316 |
| FR | 1324567 | 1366466 | 1441371 | 1497174 | 1548555 | 1594814 | 1659020 |
| IE | 78678.8 | 90612.4 | 104379 | 117114.1 | 130515.4 | 139097 | 148556.5 |
| IT | 1091362 | 1127091 | 1191057 | 1248648 | 1295226 | 1335354 | 1388870 |
| CY | 4862.8 | 5214.2 | 5679 | 6103.6 | 6370.3 | 6814.8 | 7254.9 |
| LV | 3902.9 | 4265 | 4750.8 | 5219.9 | 5758.3 | 6392.8 | 7413.6 |
| LT | 44377.4 | 43359.4 | 45848.4 | 48562.9 | 51948.4 | 56771.9 | 62440.2 |
| LU | 17414.6 | 19886.8 | 22000.6 | 22572.3 | 24028.2 | 25683.8 | 27055.7 |
| HU | 10087434 | 11393499 | 13272167 | 14989800 | 16915259 | 18650746 | 20429456 |
| MT | 1498.5 | 1578.9 | 1713.5 | 1750.5 | 1821.2 | 1845.1 | 1847.4 |
| NL | 362464 | 386193 | 417960 | 447731 | 465214 | 476349 | 488642 |
| AT | 192384.2 | 200025.3 | 210392.3 | 215877.9 | 220687.7 | 226967.9 | 237038.6 |
| PL | 600902 | 666308 | 744622 | 779205 | 807859 | 842120 | 922157 |
| PT | 106400.2 | 114192.8 | 122270 | 129308.3 | 135433.6 | 137522.8 | 143028.8 |
| SI | 3494600 | 3918974 | 4300350 | 4799552 | 5355440 | 5813540 | 6251244 |
| SK | 781437 | 844108 | 941314 | 1020595 | 1111484 | 1212665 | 1355262 |
| FI | 117365 | 120965 | 130859 | 136472 | 140853 | 143807 | 149725 |
| SE | 1987242 | 2096363 | 2217290 | 2288351 | 2371606 | 2459413 | 2573176 |
| UK | 860520 | 905438 | 953576 | 996758 | 1048456 | 1105919 | 1164439 |
| BG | 22421.1 | 23790.4 | 26752.8 | 29709.2 | 32335.1 | 34546.6 | 38275.3 |
| HR | 137604 | 141579 | 152519 | 165639 | 181231 | 198422 | 212826 |
| RO | 37379.8 | 54573 | 80377.3 | 116768.7 | 151475.1 | 197564.8 | 246371.7 |
| TR | 52224.9 | 77415.3 | 124583.5 | 178412.4 | 277574.1 | 359762.9 | 430511.5 |
| IS | 584050.6 | 628529.2 | 678298.6 | 764873.8 | 799560 | 827863.4 | 916764.9 |
| NO | 1132134 | 1233039 | 1469075 | 1526233 | 1519131 | 1576745 | 1716933 |
| MK | 194979 | 209010 | 236389 | 233841 | 243970 | 251486 | 265257 |
| US | 8747000 | 9268400 | 9817000 | 10128000 | 10469600 | 10971200 | 11734300 |
| JP | 5.03E+08 | 4.95E+08 | 5.01E+08 | 4.97E+08 | 4.9E+08 | 4.91E+08 | 4.96E+08 |

Source: Eurostat

mio_pps Millions of PPS (Purchasing Power Standard)

b1gm Gross domestic product at market prices

| ◇ | 1998a00 | 1999a00 | 2000a00 | 2001a00 | 2002a00 | 2003a00 | 2004a00 |
|--------------|----------|----------|----------|----------|----------|----------|----------|
| EU-25 | 8072748 | 8484454 | 9092292 | 9457585 | 9811288 | 9960564 | 10432359 |
| BE | 211918.6 | 222056.6 | 240470.6 | 251225.7 | 261371.2 | 266221.1 | 279299.5 |
| CZ | 120607.3 | 125320.3 | 131597.5 | 138144.6 | 145675.9 | 150386.5 | 162521.1 |
| DK | 117033.8 | 126374.7 | 135457.6 | 139471.4 | 140500.2 | 141756.8 | 149012.9 |
| DE | 1678453 | 1755204 | 1849346 | 1887774 | 1929226 | 1943860 | 2030208 |
| EE | 9776.9 | 10068.5 | 11314.5 | 12025.6 | 13201.3 | 14214.8 | 15735.6 |
| EL | 136577.7 | 144967 | 159915.2 | 167187.2 | 182558.8 | 194280.5 | 205461.8 |
| ES | 630953.8 | 692891.5 | 747378 | 790426.5 | 846360 | 888923.6 | 943428.2 |
| FR | 1225390 | 1289407 | 1386120 | 1450728 | 1483472 | 1504594 | 1549514 |
| IE | 77367.7 | 86134.7 | 96357.6 | 103676.4 | 112331.7 | 116316.9 | 125988.3 |
| IT | 1168898 | 1219819 | 1297671 | 1329930 | 1354198 | 1349946 | 1393637 |
| CY | 9622.3 | 10353.7 | 11286 | 12114.9 | 12539.8 | 12553.2 | 13874.7 |
| LV | 14325.2 | 15337.4 | 16879 | 18211.2 | 19490.1 | 20641.7 | 22425.6 |
| LT | 24413.6 | 24639.9 | 26846.7 | 29124.6 | 31272.8 | 33988.1 | 37224.5 |
| LU | 14790.5 | 17736.6 | 19609.9 | 19756.9 | 21158 | 22866.7 | 24495.2 |
| HU | 93271.6 | 99737.4 | 108694.4 | 118537.6 | 127044.6 | 130561.4 | 137772.6 |
| MT | 5363 | 5648.2 | 6162.9 | 6107 | 6408 | 6346.2 | 6349.8 |
| NL | 341967.7 | 365414.9 | 397857 | 424861.9 | 435590 | 439918.5 | 458574.9 |
| AT | 175768.1 | 188217.9 | 202580.3 | 204670.7 | 208705.7 | 213228.2 | 227047.8 |
| PL | 311258.8 | 334020.4 | 359767.3 | 367378.4 | 381349.1 | 389924.3 | 422291.4 |
| PT | 141317.7 | 154039.1 | 165433.5 | 171352.1 | 177389.9 | 165308.4 | 172370.8 |
| SI | 25436.6 | 27530.6 | 29142 | 30683.6 | 32007.4 | 32974.1 | 35795.5 |
| SK | 45338.9 | 47233.1 | 51537.4 | 54581.6 | 59109.3 | 60745.3 | 64637.3 |
| FI | 103730.9 | 107864.1 | 117630.9 | 121910.2 | 125646.6 | 125976.1 | 132964 |
| SE | 180172.3 | 196519.8 | 212303.3 | 213653.5 | 218394.2 | 225552.7 | 239187.2 |
| UK | 1166429 | 1231163 | 1326681 | 1393174 | 1481778 | 1503925 | 1574941 |
| BG | 38325.5 | 40266.1 | 43546.7 | 46204.6 | 47912.6 | 50581.9 | 53877.3 |
| HR | 33454.6 | 33957.9 | 36023 | 38297.8 | 41664.2 | 44346.3 | 47092.8 |
| RO | : | 107066.7 | 112462.8 | 122314.7 | 132001.9 | 141669.2 | 158073.3 |
| TR | 361435.3 | 353603.1 | 404694.4 | 366873.7 | 391324.9 | 407801 | 463675.6 |
| IS | 6341.1 | 6789.6 | 7179.4 | 7516.9 | 7479.4 | 7592.9 | 8420.7 |
| NO | 103965.6 | 117273.1 | 143445.1 | 145935.1 | 143283.3 | 144982.9 | 159678.6 |
| MK | : | : | : | : | : | : | 11527.5 |
| US | 7553181 | 8114634 | 8644603 | 8830880 | 9025675 | 9357303 | 10021907 |
| JP | 2602880 | 2675824 | 2848530 | 2901433 | 2938022 | 3012756 | 3168270 |

Source: Eurostat

Population by sex and age on 1. January of each year

| Country | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| EU-25 | 448478936 | 449241591 | 450378768 | 451388128 | 452990320 | 455022853 | 457189024 | : |
| BE | 10192264 | 10213752 | 10239085 | 10263414 | 10309725 | 10355844 | 10396421 | 10445852 |
| CZ | 10299125 | 10289621 | 10278098 | 10266546 | 10206436 | 10203269 | 10211455 | 10220577 |
| DK | 5294860 | 5313577 | 5330020 | 5349212 | 5368354 | 5383507 | 5397640 | 5411405 |
| DE | 82057379 | 82037011 | 82163475 | 82259540 | 82440309 | 82536680 | 82531671 | 82500849 |
| EE | 1393074 | 1379237 | 1372071 | 1366959 | 1361242 | 1356045 | 1351069 | 1347000 |
| EL | 10808358 | 10861402 | 10903757 | 10931206 | 10968708 | 11006377 | 11040650 | 11082751 |
| ES | 39639388 | 39802827 | 40049708 | 40476723 | 40964244 | 41663702 | 42345342 | 43038035 |
| FR | 58298962 | 58496613 | 58796488 | 59143107 | 59500681 | 59855823 | 60200000 | 60561200 |
| IE | 3693582 | 3732201 | 3777763 | 3832973 | 3899876 | 3963665 | 4027732 | 4109173 |
| IT | 56908265 | 56913634 | 56929477 | 56967735 | 56993742 | 57321070 | 57888245 | 58462375 |
| CY | 675215 | 682862 | 690497 | 697549 | 705539 | 715137 | 730367 | 749175 |
| LV | 2420789 | 2399248 | 2381715 | 2364254 | 2345768 | 2331480 | 2319203 | 2306434 |
| LT | 3562261 | 3536401 | 3512074 | 3486998 | 3475586 | 3462553 | 3445857 | 3425324 |
| LU | 422050 | 427350 | 433600 | 439000 | 444050 | 448300 | 451600 | 455000 |
| HU | 10279724 | 10253416 | 10221644 | 10200298 | 10174853 | 10142362 | 10116742 | 10097549 |
| MT | 376513 | 378518 | 380201 | 391415 | 394641 | 397296 | 399867 | 402668 |
| NL | 15654192 | 15760225 | 15863950 | 15987075 | 16105285 | 16192572 | 16258032 | 16305526 |
| AT | 7971116 | 7982461 | 8002186 | 8020946 | 8065146 | 8102175 | 8140122 | 8206524 |
| PL | 38659979 | 38666983 | 38653559 | 38253955 | 38242197 | 38218531 | 38190608 | 38173835 |
| PT | 10109697 | 10148883 | 10195014 | 10256658 | 10329340 | 10407465 | 10474685 | 10529255 |
| SI | 1984923 | 1978334 | 1987755 | 1990094 | 1994026 | 1995033 | 1996433 | 1997590 |
| SK | 5387650 | 5393382 | 5398657 | 5378783 | 5378951 | 5379161 | 5380053 | 5384822 |
| FI | 5147349 | 5159646 | 5171302 | 5181115 | 5194901 | 5206295 | 5219732 | 5236611 |
| SE | 8847625 | 8854322 | 8861426 | 8882792 | 8909128 | 8940788 | 8975670 | 9011392 |
| UK | 58394596 | 58579685 | 58785246 | 58999781 | 59217592 | 59437723 | 59699828 | : |
| BG | 8283200 | 8230371 | 8190876 | 7928901 | 7891959 | 7845841 | 7801273 | 7761049 |
| HR | 4582000 | : | 4567546 | 4437452 | 4444100 | 4442200 | 4441800 | 4443900 |
| RO | 22526093 | 22488595 | 22455485 | 22430457 | 21833483 | 21772774 | 21711252 | 21658528 |
| TR | : | : | : | : | : | 70171478 | 70689500 | 71607500 |
| IS | 272381 | 275712 | 279049 | 283361 | 286575 | 288471 | 290570 | 293577 |
| LI | 31320 | 32015 | 32426 | 32863 | 33525 | 33863 | 34294 | 34600 |
| NO | 4417599 | 4445329 | 4478497 | 4503436 | 4524066 | 4552252 | 4577457 | 4606363 |
| MK | 2002340 | 2012705 | 2021578 | 2031112 | 2038651 | 2023654 | 2029892 | 2035196 |
| US | 269106300 | 271626000 | : | : | : | : | : | : |
| JP | 126109702 | 126451064 | : | : | : | : | : | : |

Source: Eurostat

Labour Cost Index - Annual data

nace *c_to_k* Industry and services (excluding public administration)
 unit *pch_pre* Percentage change on previous period
 p_adj *nominal* Nominal value
 indic_lc *lci_tot* Labour Cost Index - Total labour costs

| Country | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|---------|------|------|------|------|------|------|------|------|------|
| BE | 2.8 | 2.7 | 2.9 | 2 | 5 | 4.9 | 1.3 | 2.2 | : |
| CZ | 12.7 | 9.7 | 5.4 | 7.8 | 13.1 | 7.4 | 5.9 | 6.1 | 4.5 |
| DK | 3.9 | 3.6 | 3.8 | 4.2 | 4.5 | 3.8 | 3.5 | 3.3 | 2.8 |
| DE | 1.5 | 1.6 | 2.3 | 3.4 | 2.5 | 2.2 | 2.5 | 1.1 | 0.9 |
| EE | 17.9 | 13.7 | 8.3 | 9.9 | 12.7 | 12.6 | 9.1 | 6.5 | 10.7 |
| EL | : | : | : | : | : | : | : | : | : |
| ES | 5.6 | 4.3 | 3.5 | 4.7 | 5.6 | 5.3 | 4.8 | 4.1 | 3.7 |
| FR | 2 | 2.3 | 3 | 5.7 | 4.8 | 3.9 | 2.5 | 2.9 | 3.2 |
| IE | : | : | : | : | 8.5 | 4 | 5.5 | 5 | : |
| CY | : | : | : | : | 5.7 | 5.5 | 6.3 | 4.5 | 4 |
| LV | : | 9.3 | 5.5 | 2.8 | 7.5 | 7.8 | 9.6 | 11.3 | 15.3 |
| LT | 20.7 | 16.3 | 10.7 | -4.3 | 1.1 | 4.2 | 3.9 | 4.5 | 11.4 |
| LU | 2.4 | 2.5 | 2.5 | 3.7 | 5.2 | 3.5 | 4.2 | 2.7 | 6 |
| HU | 17.4 | 20.9 | 8.6 | 15 | 14.9 | 13.6 | 5.9 | 8.3 | 7.5 |
| MT | : | : | : | : | 3.1 | 2.4 | 3.8 | 4.8 | 2.4 |
| NL | : | : | : | : | 5.8 | 5.5 | 4.1 | 3.5 | 2 |
| AT | 1.1 | 2.8 | 2.3 | 2 | 2.5 | 3 | 2.1 | -0.5 | 4.1 |
| PL | 28.9 | 17.3 | 13.6 | 6.5 | 20.1 | 2.1 | 3.5 | 3.3 | 3.9 |
| PT | 3.8 | 1.8 | 3.3 | 4.6 | 5.4 | 5.3 | 2.4 | 3.3 | 2 |
| SI | 11.1 | 10.3 | 8.6 | 12.1 | 13.1 | 3.9 | 9.3 | 6 | 6.4 |
| SK | 14.3 | 8.4 | 6.8 | 7 | 7.6 | 16 | 10.1 | 5.1 | 9.1 |
| FI | : | : | : | 2.7 | 6.7 | 4.7 | 3.9 | 4.3 | 3.7 |
| SE | 4.5 | 5 | 3.9 | 4.5 | 5.2 | 3.4 | 4.9 | 3.1 | 3 |
| UK | 5 | 3.5 | 3.8 | 4.3 | 5.6 | 4.4 | 4.1 | 6.5 | 3 |
| BG | : | : | 11 | 10.2 | 9.2 | 2.9 | 7.4 | 5.3 | 3.2 |
| RO | : | : | : | : | 46.6 | 26.7 | 16.4 | 16.4 | 14.8 |

Source: Eurostat