

Methodological notes on researchers in the Business Enterprise Sector

AT - Austria

Source of data: Federal Institute Statistics Austria, R&D surveys 1998 und 1993.

Year comment: Jan-Dec

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Classification of fields of science: Frascati Manual

BE - Belgium

Source of data: Data from last Eurostat R&D survey (2002).

Year comment:

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Remarks:

Male figures are obtained by subtracting female figures from the total.

CY - Cyprus

Source of data: Statistical Service of Cyprus, R&D Statistics Section

Year comment: Jan. – Dec.

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Classification of fields of science: Frascati Manual

Remarks:

Data are collected within the context of the annual R&D survey. Results are published in the annual report "Research and Development Statistics".

CZ - Czech Republic

Source of data: Czech Statistical Office

Year comment: December of the year

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Classification of fields of science: Frascati Manual

DE - Germany

Source of data: Stifterverband Wissenschaftsstatistik

Year comment: Jan.

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Remarks:

For data privacy reasons the data for E/F and L-O are not disclosed, but included in the total. Because of this the sum is not equal to the total.

DK - Denmark

Source of data: The Danish Institute for Studies in Research and Research Policy (Analyseinstitut for forskning [AFSK]): Erhvervslivets Forskning og udviklingsarbejde (Forskningsstatistik) Eurostat, R&D survey

Year comment: December of the year

Classification of researcher: national classification / Frascati Manual

Classification of sectors: Frascati Manual

Classification of fields of science: Frascati Manual

Remarks:

Researchers include civil and academic engineers and other VIP personnel but exclude diploma and technical engineers and technical personnel. These staff are included in technicians as defined by the Frascati Manual.

"Manufacture of electrical and optical equipment" (30-33) excludes group 30

EE - Estonia

Source of data: Statistical Office of Estonia, R&D survey

Year comment: December of the year (although FTE data are for the calendar year).

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Classification of fields of science: Frascati Manual

EL - Greece

Source of data: GSRT (General Secretariat for Research and Technology), Planning and Programming Directorate, Division of Documentation of S&T Indicators

Website: <http://www.gsrt.gr>

Year comment:

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

ES - Spain

Source of data: Instituto Nacional de Estadística "Estadística sobre las actividades en Investigación Científica y Desarrollo Tecnológico" Paseo de la Castellana 183 E-28046 Madrid

<http://www.ine.es>

Year comment: December of the year

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

FI - Finland

Source of data: Statistics Finland

Year comment: Situation 31st December

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Remarks:

Researchers in BES by sex and NACE are available only in HC, not FTE.

FR - France

Source of data: Ministère de la jeunesse, de l'éducation nationale, de la recherche et des nouvelles technologies Bureau des études statistiques sur la recherche (Direction de l'évaluation et de la prospective)

Year comment: Jan - Dec

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual/ NACE rev 1

HU - Hungary

Source of data: R & D survey, Hungarian Central Statistical Office

Year comment: Jan. - Dec.

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Classification of fields of science: Frascati Manual

Remarks:

There are five fields of science, as Social science and humanities are grouped together.

IE - Ireland

Source of data: Business expenditure on R&D (BERD), 2001.

Year comment: Published every 2 year

Classification of researcher: national classification (Researcher = PhD Researchers + Non PhD Researchers)

Classification of sectors: NACE/ISIC, data is from BERD 2001

Classification of fields of science: Frascati Manual and ISCED classification

Remarks:

Ireland does not collect HCs or researchers in the BES broken down by sex

IT - Italy

Source of data: ISTAT

Year comment:

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Classification of fields of science: Frascati Manual

LT - Lithuania

Source of data: Lithuanian State Science and Studies Department Ministry of Education, Statistics Lithuania

Year comment: January of the year

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Classification of fields of science: Frascati Manual

LU - Luxembourg

Source of data:

Year comment

Classification of researcher:

Classification of sectors:

Classification of fields of science:

Remarks:

LV - Latvia

Source of data: CSB of Latvia

Year comment:

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Classification of fields of science: Frascati Manual

MT - Malta

Source of data:

Year comment:

Classification of researcher:

Classification of sectors:

Classification of fields of science:

Remarks:

NL - The Netherlands

Source of data: Statistics Netherlands

Year comment: December of the year.

Classification of researcher: National Classification

Classification of sectors: National Classification

Remarks:

PL - Poland

Source of data:

Year comment:

Classification of researcher:

Classification of sectors:

Classification of fields of science:

PT - Portugal

Source of data: OCT - Observatory for Sciences and Technology; Eurostat, R&D survey

Year comment: Jan-Dec

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual
Classification of fields of science: Frascati Manual / National classification
Remarks:

SE - Sweden

Source of data: Statistics Sweden, Eurostat, R&D survey
Year comment: October of the year
Classification of researcher: Frascati Manual / national classification
Classification of sectors: Frascati Manual
Classification of fields of science: Frascati Manual
Remarks:

SI - Slovenia

Source of data: Statistical office of the Republic of Slovenia, R&D survey
Year comment: 31 December of the year
Classification of researcher: Frascati Manual
Classification of sectors: Frascati Manual
Classification of fields of science:

SK - Slovakia

Source of data: Statistical Office of the Slovak Republic, selected indicators of R & D organizations in the Slovak Republic
Year comment: December of the year
Classification of researcher: Frascati Manual
Classification of sectors: Frascati Manual
Classification of fields of science: Frascati Manual

UK - United Kingdom

Source of data:
Year comment:
Classification of researcher:
Classification of sectors:
Classification of fields of science:
Remarks: Not broken down by sex

BG - Bulgaria

Source of data: National Statistical Institute of Bulgaria, unit "Statistics on services"
Year comment: Jan. – Dec.
Classification of researcher: Frascati Manual
Classification of sectors: Frascati Manual
Classification of fields of science: Frascati Manual
Remarks:
The national classification of S&T fields is in line with Frascati Manual recommendations, but social sciences and humanities are classified as one category.

CH - Switzerland

Source of data:
Year comment:
Classification of researcher:
Classification of sectors:

IL - Israel

Source of data: Israel Central Bureau of Statistics
Year comment:
Classification of researcher: Frascati Manual
Classification of sectors:
Classification of fields of science: Frascati Manual

IS - Iceland

Source: Research and Development Survey 1999. Icelandic Research Council. Research and Development Survey 2001. Icelandic Research Centre.

Year comment:

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Classification of fields of science: Frascati Manual

Remarks:

The BES data are based on a sample survey, and based on its results estimates are made for the business sector as a whole. Frascati Manual

NO - Norway

Source of data: Statistics Norway is responsible for R&D data in the Norwegian industry sector. Data from private research institutes are collected by Norwegian Institute for Studies in Research and Higher Education and added to the industry sector data, thus comprising the BES, when reported to international organisations.

Year comment: 1st October of the year

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual / national classification

Classification of fields of science: Frascati Manual

Remarks:

The Norwegian institute sector (national classification) is split into Government sector (public institutes) and institutes serving enterprises when reported to international organisations (OECD, Eurostat etc.). Thus the BES is comprised of private enterprises and research institutes serving enterprises.

RO - Romania

Source of data: R&D survey

Year comment:

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

TR - Turkey

Source of data:

Year comment:

Classification of researcher: Frascati Manual

Classification of sectors: Frascati Manual

Classification of fields of science: