

Main Science and Technology Indicators

List of indicators - electronic edition

Gross domestic expenditure on R&D (GERD):

1. Gross Domestic Expenditure on R&D -- GERD (million current PPP \$)
- 1.a. GERD (million national currency - for euro area, pre-EMU euro or EUR)
2. GERD as a percentage of GDP
3. GERD -- (million 2000 dollars -- constant prices and PPP)
- 3.a. GERD -- Compound annual growth rate (constant prices)
4. GERD per capita population (current PPP \$)
5. Estimated Civil GERD as a percentage of GDP
6. Basic research expenditure as a percentage of GDP

R&D Personnel (FTE):

7. Total researchers (FTE)
- 7.a. Total researchers -- Compound annual growth rate
8. Total researchers per thousand total employment
- 8.a. Total researchers per thousand labour force
9. Total R&D personnel (FTE)
- 9.a. Total R&D personnel -- Compound annual growth rate
10. Total R&D personnel per thousand total employment
- 10.a. Total R&D personnel per thousand labour force

GERD by source of funds:

11. Industry-financed GERD as a percentage of GDP
12. Government-financed GERD as a percentage of GDP
13. Percentage of GERD financed by industry
14. Percentage of GERD financed by government
15. Percentage of GERD financed by other national sources
16. Percentage of GERD financed by abroad

GERD by performance sectors:

17. Percentage of GERD performed by the Business Enterprise sector
18. Percentage of GERD performed by the Higher Education sector
19. Percentage of GERD performed by the Government sector
20. Percentage of GERD performed by the Private Non-Profit sector

Researchers (headcount):

21. Total researchers (headcount)
- 21.a. Women researchers (headcount)
22. Women researchers as a percentage of total researchers (based on headcount)
- 22.a. Business Enterprise Sector: Total researchers (headcount)
- 22.b. Business Enterprise Sector: Women researchers (headcount)
- 22.c. Business Enterprise Sector: Women researchers as a percentage of total researchers (based on headcount)
- 22.d. Government Sector: Total researchers (headcount)
- 22.e. Government Sector: Women researchers (headcount)
- 22.f. Government Sector: Women researchers as a percentage of total researchers (based on headcount)
- 22.g. Higher Education sector: Total researchers (headcount)
- 22.h. Higher Education sector: Women researchers (headcount)
- 22.i. Higher Education sector: Women researchers as a percentage of total researchers (based on headcount)

Business Enterprise Expenditure on R&D (BERD):

23. Business Enterprise Expenditure on R&D -- BERD (million current PPP \$)
- 23.a. BERD (million national currency - for euro area, pre-EMU euro or EUR)
24. BERD as a percentage of GDP
25. BERD -- (million 2000 dollars -- constant prices and PPP)
- 25.a. BERD -- Compound annual growth rate (constant prices)
26. BERD as a percentage of value added in industry

Business Enterprise R&D Personnel (FTE):

27. Business Enterprise researchers (FTE)
- 27.a. Business Enterprise researchers -- Compound annual growth rate
28. Business Enterprise researchers as a percentage of national total
29. Business Enterprise researchers per thousand employment in industry
30. Total Business Enterprise R&D personnel (FTE)
- 30.a. Total Business Enterprise R&D personnel -- Compound annual growth rate
31. Total Business Enterprise R&D personnel as a percentage of national total
32. Total Business Enterprise R&D personnel per thousand employment in industry

BERD by source of funds:

- 33. Industry-financed BERD -- (million 2000 dollars -- constant prices and PPP)
- 33a. Industry-financed BERD -- Compound annual growth rate (constant prices)
- 34. Industry-financed BERD as a percentage of value added in industry
- 35. Percentage of BERD financed by industry
- 36. Percentage of BERD financed by government
- 37. Percentage of BERD financed by other national sources
- 38. Percentage of BERD financed by abroad

BERD performed in selected industries:

- 39. BERD performed in the aerospace industry (million current PPP \$)
- 39.a. Percentage of BERD performed in the aerospace industry
- 40. BERD performed in the electronic industry (million current PPP \$)
- 40.a. Percentage of BERD performed in the electronic industry
- 41. BERD performed in the office machinery and computer industry (million current PPP \$)
- 41.a. Percentage of BERD performed in the office machinery and computer industry
- 42. BERD performed in the pharmaceutical industry (million current PPP \$)
- 42.a. Percentage of BERD performed in the pharmaceutical industry
- 43. BERD performed in the instruments industry (million current PPP \$)
- 43.a. Percentage of BERD performed in the instruments industry
- 44. BERD performed in service industries (million current PPP \$)
- 44.a. Percentage of BERD performed in service industries

Higher Education Expenditure on R&D (HERD):

- 45. Higher Education Expenditure on R&D -- HERD (million current PPP \$)
- 45.a. HERD (million national currency - for euro area, pre-EMU euro or EUR)
- 46. HERD as a percentage of GDP
- 47. HERD (million 2000 dollars -- constant prices and PPP)
- 47.a. HERD -- Compound annual growth rate (constant prices)
- 48. Percentage of HERD financed by industry

Higher Education R&D Personnel (FTE):

- 49. Higher Education researchers (FTE)
- 49.a. Higher Education researchers -- Compound annual growth rate
- 50. Higher Education researchers as a percentage of national total
- 51. Higher Education Total R&D personnel (FTE)
- 51.a. Higher Education Total R&D personnel -- Compound annual growth rate

Government Expenditure on R&D:

- 52. Government Intramural Expenditure on R&D -- GOVERD (million current PPP \$)
- 52.a. GOVERD (million national currency - for euro area, pre-EMU euro or EUR)
- 53. GOVERD as a percentage of GDP
- 54. GOVERD (million 2000 dollars -- constant prices and PPP)
- 54.a. GOVERD -- Compound annual growth rate (constant prices)
- 55. Percentage of GOVERD financed by industry

Government R&D Personnel (FTE):

- 56. Government researchers (FTE)
- 56.a. Government researchers -- Compound annual growth rate
- 57. Government researchers as a percentage of national total
- 58. Government Total R&D personnel (FTE)
- 58.a. Government Total R&D personnel -- Compound annual growth rate

Government Budget Appropriations or Outlays for R&D by socio-economic objectives (GBAORD):

- 59. Total Government Budget Appropriations or Outlays for R&D -- GBAORD (million current PPP \$)
- 59.a. Total GBAORD (million national currency - for euro area: pre-EMU euro or EUR)
- 60. Defence Budget R&D as a percentage of Total GBAORD
- 61. Civil Budget R&D as a percentage of Total GBAORD
- 62.a.1. Civil GBAORD for Economic Development programmes (million current PPP \$)
- 62.a.2. Economic Development programmes as a percentage of Civil GBAORD
- 62.b.1. Civil GBAORD for Health and Environment programmes (million current PPP \$)
- 62.b.2. Health and Environment programmes as a percentage of Civil GBAORD
- 62.c.1. Civil GBAORD for Education and Society (million current PPP\$)
- 62.c.2. Education and Society as a percentage of Civil GBAORD
- 62.d.1. Civil GBAORD for Space programmes (million current PPP \$)
- 62.d.2. Space programmes as a percentage of Civil GBAORD
- 62.e.1. Civil GBAORD for Non-oriented Research programmes (million current PPP \$)
- 62.e.2. Non-oriented Research programmes as a percentage of Civil GBAORD
- 62.f.1. Civil GBAORD for General University Funds (GUF) (million current PPP \$)
- 62.f.2. General University Funds (GUF) as a percentage of Civil GBAORD

R&D Expenditure of Foreign Affiliates:

- 63. R&D expenditure of foreign affiliates (million current PPP \$)
- 63.a. R&D expenditure of foreign affiliates (million national currency - for euro area, pre-EMU euro or EUR)
- 64. R&D expenditure of foreign affiliates as a percentage of R&D expenditure of enterprises

Patents:

- 65. Number of "triadic" patent families (priority year)
- 65.a. Number of patent applications to the EPO (priority year)
- 65.b. Number of patents granted by the USPTO (priority year)
- 66. Share of countries in "triadic" patent families (priority year)
- 67. Number of patent applications to the EPO in the ICT sector - (priority year)
- 67.a. Number of patents granted at the USPTO in the ICT sector - (priority year)

- 68. Number of patent applications to the EPO in the biotechnology sector - (priority year)
- 68.a. Number of patents granted at the USPTO in the biotechnology sector - (priority year)

Technology Balance of Payments (TBP):

- 69. Technology balance of payments: Receipts (million current dollars)
- 69.a. Technology balance of payments: Receipts (million national currency - for euro area, pre-EMU euro or EUR)
- 70. Technology balance of payments: Payments (million current dollars)

- 70.a. Technology balance of payments: Payments (million national currency - for euro area, pre-EMU euro or EUR)
- 71. Technology balance of payments: Payments as a percentage of GERD

International trade in R&D-intensive industries:

- 72. Export market share: Aerospace industry
- 72.a. Total imports: Aerospace industry (million current dollars)
- 72.b. Total exports: Aerospace industry (million current dollars)
- 73. Export market share: Electronic industry
- 73.a. Total imports: Electronic industry (million current dollars)
- 73.b. Total exports: Electronic industry (million current dollars)
- 74. Export market share: Office machinery and computer industry
- 74.a. Total imports: Office machinery and computer industry (million current dollars)
- 74.b. Total exports: Office machinery and computer industry (million current dollars)
- 75. Export market share: Pharmaceutical industry
- 75.a. Total imports: Pharmaceutical industry (million current dollars)
- 75.b. Total exports: Pharmaceutical industry (million current dollars)
- 76. Export market share: Instruments industry

- 76.a. Total imports: Instruments industry (million current dollars)
- 76.b. Total exports: Instruments industry (million current dollars)

Annex: Economic series:

- A.1. Gross Domestic Product (million national currency - for euro area, pre-EMU euro or EUR)
- A.2. Gross Domestic Product (million current PPP \$)
- B. Implicit GDP Price Indices (2000 = 1.00)
- C. Purchasing Power Parities (national currency per dollar)
- D.1. Value added of Industry (million national currency - for euro area, pre-EMU euro or EUR)
- D.2. Value added of Industry (million current PPP \$)
- E. Population (thousands)
- F. Total Employment (thousands)
- G. Industrial employment (thousands)
- H. Labour Force (thousands)
- I. Exchange rates (national currency per dollar)