



SCREENING CHAPTER 18 STATISTICS

STATISTICS ON SCIENCE

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Overview

- Research and Development (R&D) Statistics have been produced in comply with the Frascati Manual since 1991 (1990 as the reference year)
- Technological Innovation Statistics had been produced for the periods of 1995-1997 (CIS2), 1998-2000 (CIS3), and 2002-2004 (CIS4)
- Patent Statistics had been produced by Ministry of Industry and Trade from 1980 to 1994. Turkish Patent Institute has produced these statistics since 1994



R&D Statistics

Responsible Institution

TURKSTAT

Methodology

Frascati Manual

Coverage

The R&D survey covers all government sector, business enterprises (industry and services sectors with 20 or more persons employed and the smaller enterprises which have relation with R&D related institutions and foundations) and higher education sector

R&D Statistics (cont'd)

Methodology (cont'd)

Data Sources

- Survey for government sector (by mail)
- Survey for business enterprises (face to face interview)
- Survey for private universities (by mail)
- Administrative registers of public universities

Periodicity: Annual

R&D Statistics (cont'd)

Classification

- NACE Rev.1.1 for Business Enterprises
- Classification of socio-economic objectives (from Frascati) for government sector

Dissemination

Annual press release on paper and electronic media (TURKSTAT web site)



Technological Innovation Statistics

Responsible Institution

TURKSTAT

Methodology

Oslo Manual

Community Innovation Survey (CIS)

Technological Innovation Statistics (cont'd)

Coverage: The sampled enterprises with 10 or more employees covered in core target population of the CIS4:

Nace code	Activity
10-14	Mining and quarrying
15-37	Manufacturing
40-41	Electricity, gas and water supply
51	Wholesale trade
60-64	Transport, storage and communication
65-67	Financial intermediation
72	Computer and related activities
74.2	Architectural and engineering activities
74.3	Technical testing and analysis



Technological Innovation Statistics (cont'd)

Data sources: Sample survey for enterprises

Periodicity: Every four years

Classification: NACE Rev. 1.1

Dissemination: Multi-annual press release on paper and electronic media
(TURKSTAT web site)



Patent Statistics

Responsible Institution

Turkish Patent Institute (TPI)

Methodology

Coverage: All patent applications from Turkey and other countries

Data Sources: Patent applications to TPI

Periodicity: Monthly

Classification: International Patent Classification (IPC)

Dissemination: Monthly press release both on paper and electronic media (TPI web site: www.tpe.gov.tr)



Future Plan

Government sector R&D expenditure will be calculated by using Government Budget on Appropriations or Outlays on R&D (GBAORD) Methodology (2007-2009)

In accordance with the Supreme Council for Science and Technology's (SCST) decision (March 8th, 2006, Decision No: 2006/101) stating that: "It was decided to produce new statistics according to the international norms and improving current statistical data which plays basic role in making strategic decisions about National Innovation System and which enables making international benchmarking", the works are underway.