



**SCREENING CHAPTER 18
STATISTICS**

ENVIRONMENT STATISTICS
(OECD/EUROSTAT JOINT QUESTIONNAIRE & WStatR)

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Overview

TURKSTAT first compiled environment statistics in 1990 according to framework of the OECD core set of environmental data and indicators

Main environmental topics:

- air
- water
- wastewater
- waste
- environmental expenditure



Overview (cont'd)

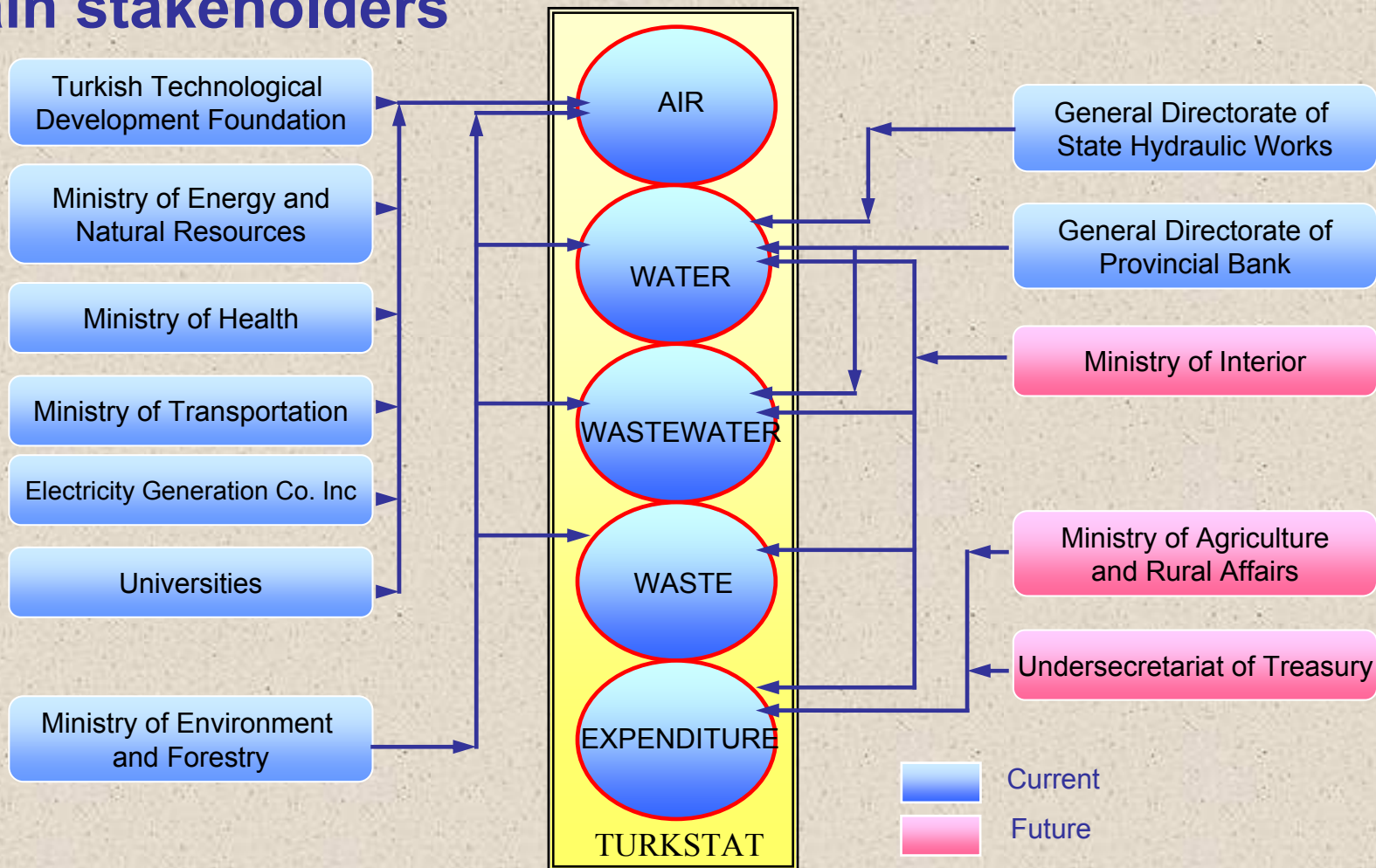
All environment statistics are disseminated by press releases and electronic media

Requests from international organizations are met regularly via

- OECD/EUROSTAT joint questionnaires
- From 2006 onwards via data entry tool of WStatR
- Common Reporting Format (CRF) tables



Main stakeholders





Air Quality Statistics

- sulphur dioxide (SO₂)
- particulate matter (PM) concentrations in city centers

Published monthly, winter season and annual press releases. The air quality database is accessible at [TURKSTAT](http://www.turkstat.gov.tr) website



Air emissions statistics

- National greenhouse gas emissions (CO_2 , CH_4 , N_2O , CO , NMVOC, NO_x , SO_2 , HFCs, and SF_6 s) originating from;
 - energy
 - industrial processes (consumption of HFCs, and SF_6 s)
 - agricultural activities
 - waste
- CO_2 uptake by forest,

Annual estimations available since 1990

Tier 1 approach (only transport sector by using Tier 2) of IPCC guidelines has been considered

First submission of CRF tables; 15 April 2006



Waste Statistics

TURKSTAT compiles data on waste via annual surveys

Waste statistics are available in the following detail

- **Economic activities:** NACE Rev 1.1
- **Regional breakdown:** NUTS 3
- **Waste categories:** 2150/2002/EC

Data compiled from municipalities since 1994:

- population served by municipal waste collection services
- municipal waste collection, disposal/recovery
- medical waste collected and disposed/recovered separately
- type and capacity of disposal/recovery facilities



Waste Statistics (cont'd)

- Data have been compiled from manufacturing industry since 1992
- Data have been compiled from thermal power plants since 1994
 - hazardous and nonhazardous industrial waste generation and disposal/recovery

In 2004 according to Annex 3 of Waste Statistics Regulation



Water and Wastewater Statistics

TURKSTAT compiles data on water/wastewater via annual surveys

Water and wastewater statistics are available in the following detail

- **Economic activities:** NACE Rev 1.1
- **Regional breakdown:** NUTS 3

Data have been compiled from municipalities since 1994

- public water supply by sources
- wastewater discharged by receiving bodies
- population served by drinking water/sewerage networks and treatment plants
- number, type and capacity of water/wastewater treatment plants and amount of water/wastewater treated



Water and Wastewater Statistics (cont'd)

- Data have been compiled from manufacturing industry since 1992
- Data have been compiled from thermal power plants since 1994
 - water supply by source
 - cooling water
 - wastewater discharged by receiving bodies
 - number, type and capacity of wastewater treatment plants
 - amount of wastewater treated
 - treatment sludge production and disposal



Environmental Expenditure Statistics

TURKSTAT compiles data since 1997

- current expenditure
- investment expenditure (also end of pipe technologies)
- environmental revenues

Annual surveys from

- governmental organizations
- municipalities
- manufacturing industry
- organized industrial zones
- thermal power plants



Environmental Expenditure Statistics (cont'd)

- Data have been compiled from public specialised producers since 2003
- Data have been compiled from private specialised producers first in 2006 for the following environmental domains:
 - water services
 - sewerage services
 - wastewater treatment services
 - waste services
 - other environmental protection services



Environmental Expenditure Statistics (cont'd)

Related to fees and purchases:

payments to municipalities or private firms for:

- the collection, transportation and disposal of waste and
- wastewater treatment

were compiled for the first time from industry sector for 2004



Environmental Expenditure Statistics (cont'd)

The scope of environmental protection is defined according to the Single European Standard Statistical Classification of Environmental Protection Activities (CEPA)

In addition to nine environmental domains, distinguished in CEPA, expenditure data related to water and energy are also collected in Turkey as they are environment related domains



Future Plans

Methodological studies for the missing data related to water, wastewater, waste and environmental expenditure statistics, air emissions, and environmental accounting are in progress