

Monitoring of Environmental Performance, Sustainable Development Indicators

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Institutions involved

- Statistical office
- Ministries
- Authorities
- Research institutions



Both statistical and administrative data

Cooperation agreements



Data Sources

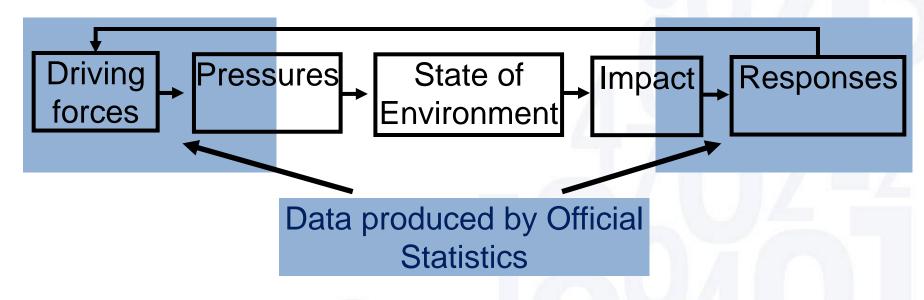
- Statistical data collection
- Administrative data
- Measurements (e.g. quality)
- Estimates



Different sources, methods and producers of data



Official Statistics and Environment



NSI role in coordination data delivery compilation of accounts



Statistical data collections in HCSO

- Public utilities (waste, water, waste water)
 - supply data from 50's
- Environmental pressures (waste, waste water) – volume from 70's
- Environmental expenditure from 90's



History of information

Key indicators, aggregated indices

Indicators

Analysed data, accounts

Primary data



Statistical areas

- Environmental conditions, quality
- Environmental resources and their use
- Environmental protection and management
- Residuals
- Environmental relations (agriculture, transport, health...)
- Energy



Development of environmental accounts in Hungary

Matural	wasaniwasa asasiinta
natura	resources accounts

Physical and monetary Supply-Use tables (NAMEA)

Economic environmental accounts

Forest accounts

Economy wide material flow accounts

Environmental taxes

Land accounts

Air emission accounts

Environmental protection expenditure accounts

Water assets accounts

Energy accounts

Environmental goods and services

Subsoil asset accounts

Waste accounts

Resources use and management expenditure accounts

Fish and fisheries accounts

Water emission accounts

Other economic instruments

Eco-systems accounts

Water flow accounts

Natural and technological disasters expenditure

Use of raw materials accounts



Environment related indicators

- Environmental pressure indicators,
- Sectoral environmental indicators,
- Sustainable development indicators,
- · Climate change related statistics,
- "Well-being" indicators.



Indicators of Sustainable Development for Hungary

- EU SDI; National Strategy; SDG
- SDI Hungary
 - 2004 first issue
 - 2006 main indicators (EU SDI)
 - 2008 all indicators (EU SDI)
 - 2010 additional indicators with national interest
 - 2012 different structure
 - 2014 evaluation
 - 2016 link to strategy





Indicators of Sustainable Development for Hungary

Structure

- Human capital
- Social capital

- Natural resuorces
- Economic resources

Analysis

- · main indicator,
- relevance, commentary, international outlook, details, definitions,
- further information (online tables).



Indicators of Sustainable Development for Hungary

Evaluation of indicators



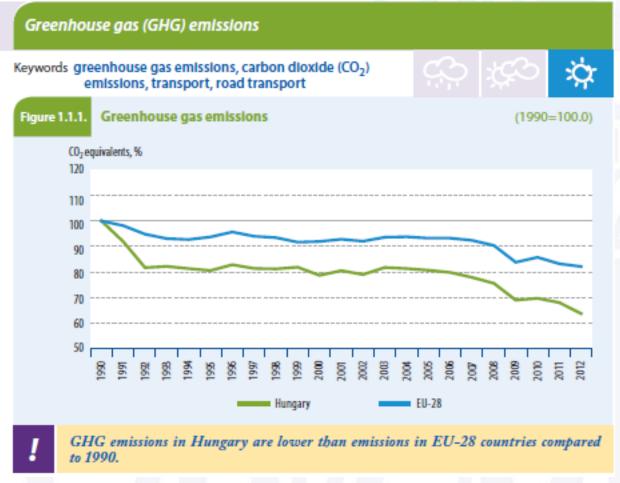




- Type 1: a target value to be achieved by a particular year is set for the indicator.
- Type 2: a target value with no target date is set for the indicator.
- Type 3: no target value is set for the indicator, but the desirable direction of change can be determined.

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Indicators of Sustainable Development for Hungary





Methodological development

- With the support of EU Grants
 - environmental accounts
- Data collection
 - simplified, electronic
- Adminstrative data
 - extended use



New areas

- Climate change related statistics
- Natural capital accounts
- Ecosystem accounts
- Circular Economy
- GIS & Statistics

NSI – partial data but access to micro data



History of dissemination

- 1986 "State and Protection of Environment"
- 1996-2005 Yearbook of Environmental Statistics
- 2000-2006 "Environmental indicators in OECD Countries"
- 2003, 2006 "Environmental pressure indicators in Hungary"



Main publications

- Indicators of Sustainable Development (2004-)
- Environmental Report (2006-)







Main publications

- Environmental expenditure and environmental industry
- Air emission accounts
- Statistical yearbook, pocketbook
- Online tables (STADAT)
- Dissemination database