

Environmental Economic accounting in the Netherlands

Organisation, output and dissimulation



Statistics
Netherlands

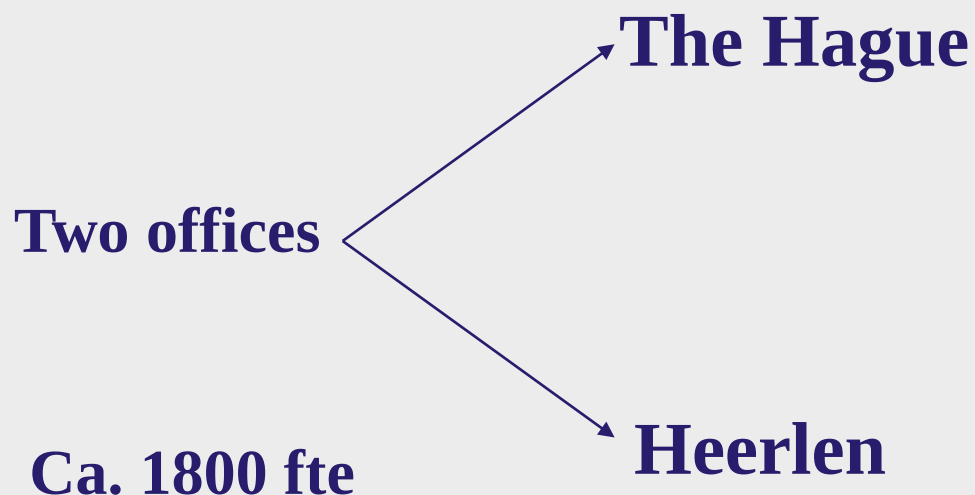
Outline

- Statistics Netherlands and environmental statistics
- Organisation of the Dutch environmental accounts
- Scope of the accounts
- Main users
- Dissimination and future projects

Statistics Netherlands environmental statistics and accounts



Statistics Netherlands



Mission Statistics Netherlands:

'To compile and publish undisputed, coherent, current statistical information that is relevant for the society, policy makers and science.'



Environmental and energy statistics



Including

Environmental statistics

Biodiversity statistics

Land cover statistics

Energy statistics

Transport statistics

Agricultural statistics

including

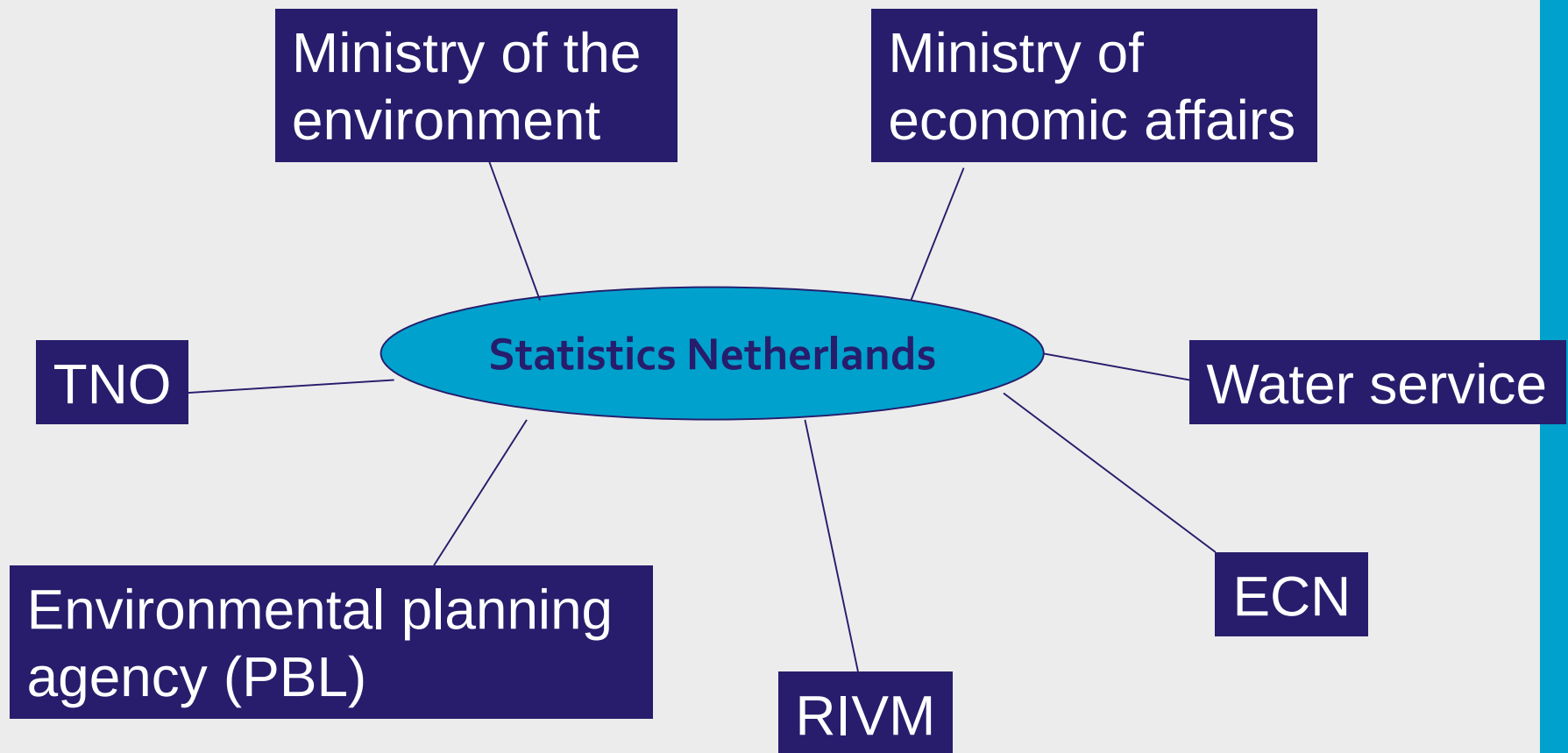
National Accounts

Environmental accounts

Dutch
environmental
accounts



Other national institutes involved



Organisation of the Dutch environmental accounts



Short history.....

– '70s - '90s

- ⇒ Increasing interest in environmental issues
- ⇒ Development of NAMEA (National accounting matrix including environmental accounts)
- ⇒ Green accounting

• 2000-2011

- ⇒ Development of several subaccounts: energy, water, environmental taxes etc.

• 2006: First publication on Dutch environmental accounts

• 2010: First publication in english

Organisation of the environmental accounts

- Department of National accounts: ca. 90 fte
- Environmental accounts: 7 fte (2014)
- Activities: compilation, publication and development
- **No surveys:** integration of existing statistics and accounts

Methodology

- System of Environmental and Economic Accounts (SEEA-CF2012)
- Eurostat compilation guides
 - Air emission accounts*
 - Material flow accounts*
 - Environmental expenditure accounts*
 - Environmental goods and service sector etc.*
- National reports on used methodologies



Most important data sources

- National accounts (supply use tables, IO tables, labour accounts etc.)
- Energy statistics (energy balances)
- Emission inventory (emission to water, soil and air)
- Government statistics
- International trade statistics
- Survey on environmental expenditure
- Register data

Main users of the Dutch EA

- **Research institutes:** Netherlands environmental assessment agency (PBL), National water institute, Energy research centre, etc.
- **Policy makers:** ministries of economic affairs, environment and infrastructure
- **Business:** Water producers, producers for environmental technology etc.
- **Eurostat**
 - Legal base for environmental accounting

Focus in the Netherlands

Climate change

- Greenhouse gas emissions → production and consumption based
- Emission permits
- Adaptation, mitigation expenditure

Water

- Water quality : emissions to water, water quality
- Water quantity: water flows and assets, valuation

Materials

- Material consumption, recycling potentials, resource dependency

Green growth

- Indicators for green growth
- Environmental goods and service sector (EGSS)
- Sustainable energy sector

Present status

Physical flow accounts and hybrid accounts

- Energy flow accounts
- Water flow accounts
- Material flow accounts
- Air emission accounts
- Water emission accounts
- Waste accounts

Asset accounts

- Subsoil accounts for natural gas and crude oil

Monetary accounts

- Environmental protection expenditure
- Environmental taxes and subsidies
- Environmental goods and service sector

2014 activities and projects

- Implementation of SNA revision
- Estimate physical supply - use tables for (critical) materials (Ministry economic affairs)
- Expand water accounts with quality accounts; water balance; stocks; policy;
- Improve Environmental protection expenditure accounts (Eurostat Grant)
- Set up data import export EGSS (Eurostat Grant)
- Pilot project for ecosystem accounts (develop land use accounts)
- Update green growth data
- Monitor Renewable Energy Sector

Dissimination and future plans

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Dissimination

- Statline (electronic database)
 - <http://statline.cbs.nl/statweb/?LA=en>
- Website
 - <http://www.cbs.nl/nl-NL/menu/themas/natuur-milieu/publicaties/milieurekeningen/default.htm>
- Data for Eurostat + reports
- Several publications
 - annual publication on environmental accounts

Publication Environmental accounts in the Netherlands 2012

- Energy
 - Water
 - Material flows
 - Waste
 - Air emissions
 - Water emissions
 - Oil and gas reserves
 - Environmental taxes
 - Environmental subsidies and transfers
 - Environmental expenditure
 - The environmental goods and service sector
-
- Monitoring material flows
 - Emissions of carbon dioxide and sulphur dioxide between 1960 and 2012
 - Towards water quality accounts



Future work

Development of new accounts

- 1) Material flow accounts: RME
- 2) Ecosystem accounts
- 3) Renewable energy sector

Improvement of existing accounts (SEEA revision)

Environmental economic analyses

Conclusions: current challenges

- Implementation of SEEA-CF
- Improve quality of the accounts
- Enhance the use of the accounts
- Development of new accounts
- Climate change and sustainability issues
- Ecosystem accounting

Questions ?

