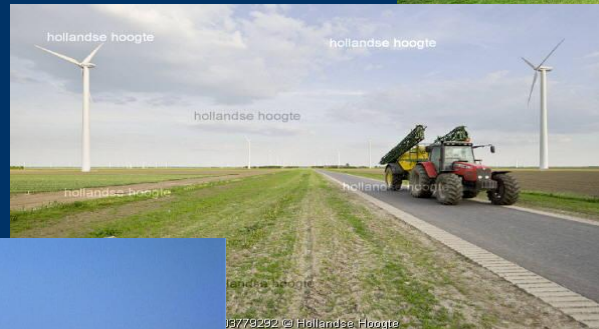


Dutch environmental accounts

Statistics Netherlands



Short history.....

'70s - '90s

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

2000-2006

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

2006: First publication Dutch environmental accounts



Organisation of work

- Department of National accounts
- Environmental accounts: 5 fte (2009)
- Compilation, publication and development
- **No surveys:** integration of existing statistics and accounts



Present status

Physical flow accounts and hybrid accounts

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

Asset accounts for natural gas and crude oil

Monetary accounts

- Environmental protection accounts
- Environmental taxes



Key areas in the Netherlands

Air emission accounts

- Climate change
- Local air pollution: acidification, fine dust

Water accounts

- Watermanagement very important
- Water quality: water framework directive

Subsoil asset accounts

- Large assets of natural gas



Air emissions accounts

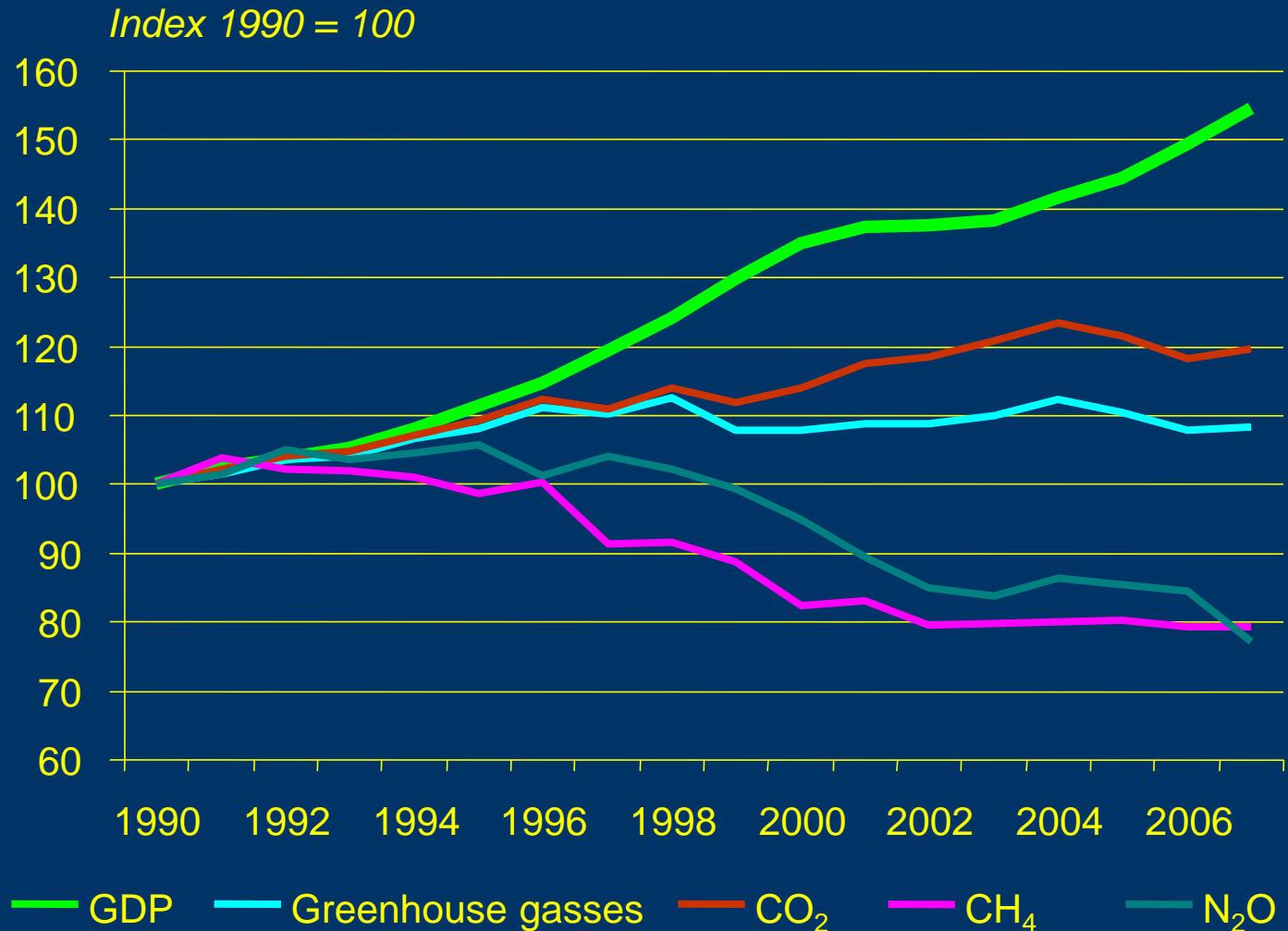
Origin and destination of air emissions

Data sources:

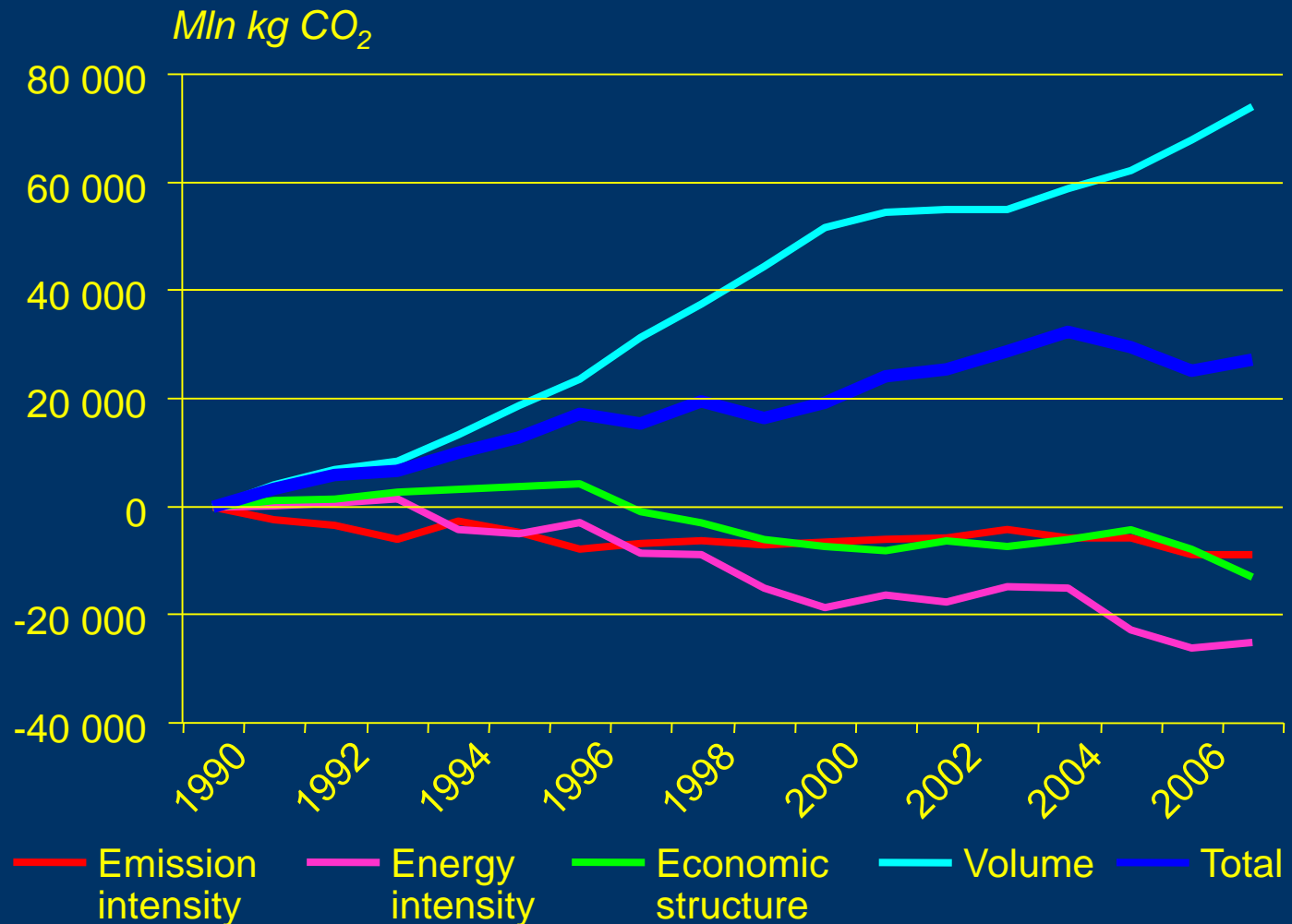
- National Emission Inventory
- National accounts
- Transport statistics



Indicators for environmental economic performance



Structural decomposition analysis CO₂

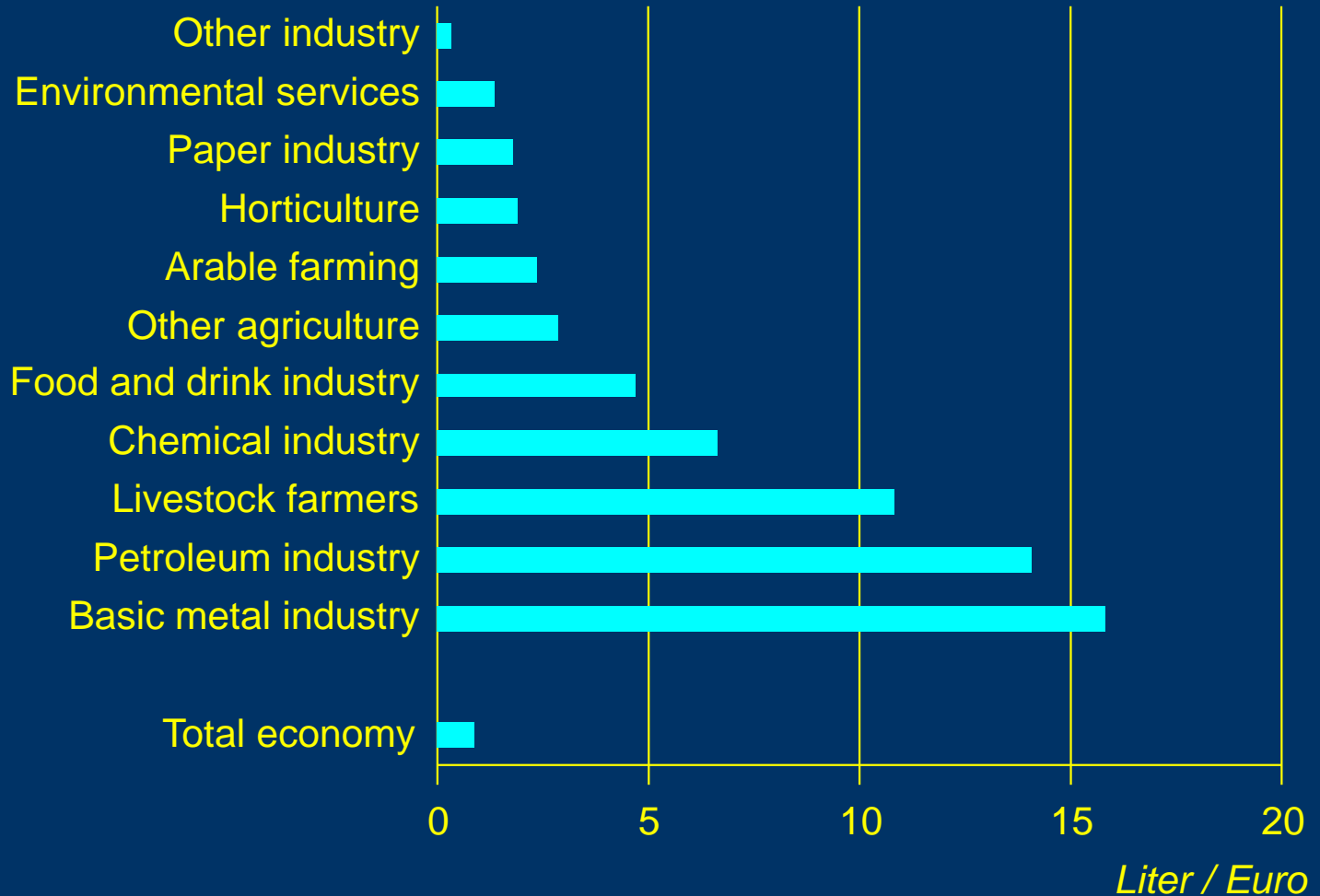


Dutch water accounts

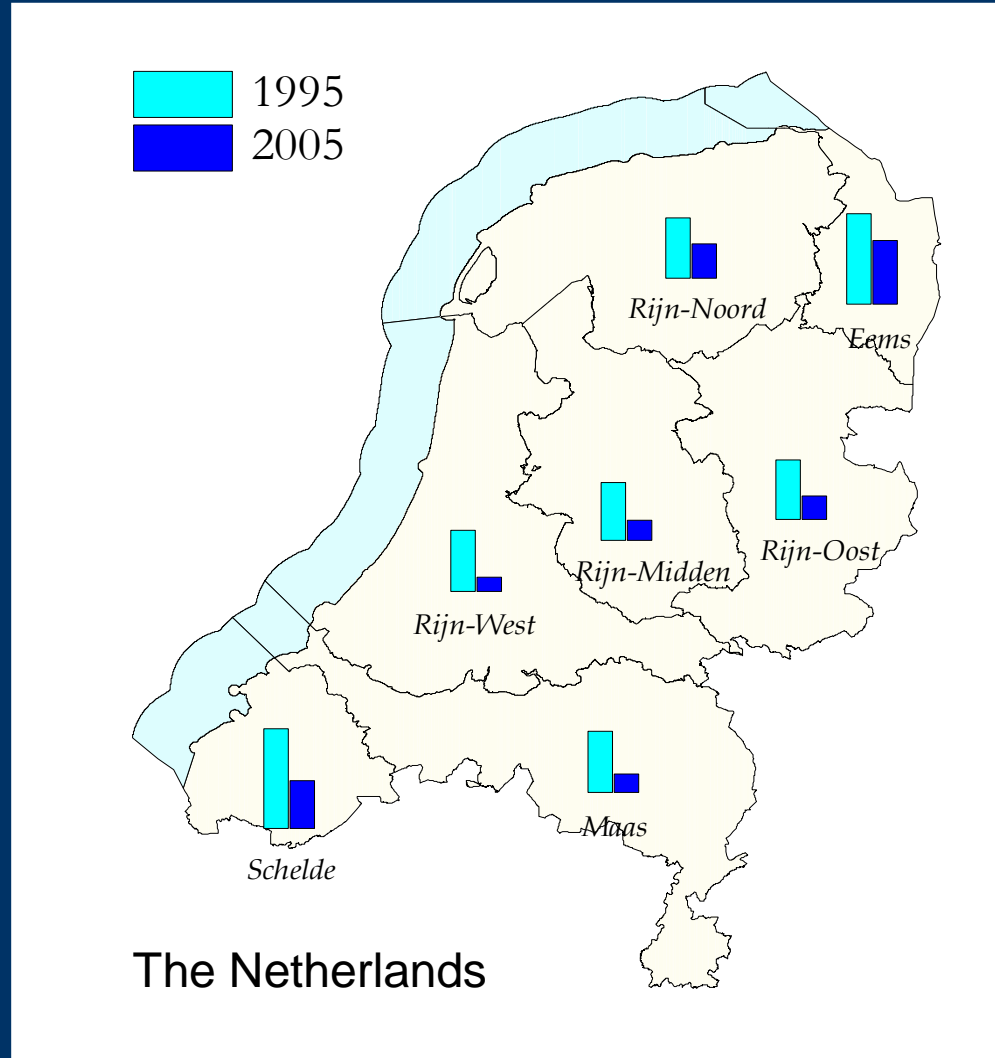
- Compiled annually for the **National Water Service (Ministry of Waterways and Public Works)**
- Both on **national and river basin** scale
- Data used for the **European Water Framework Directive**



Water intensity (tapwater) for industries (2006)



Intensity of emissions to water (heavy metals)



Main users of the Dutch EA

- **Research institutes:** Netherlands Environmental Assessment Agency, National Water Institute, Energy Research Centre, etc.
- **Policy makers:** Ministry of Economic Affairs, Ministry of Environment
- **Business:** water producers, producers for environmental technology etc.
- **Eurostat**



Future work on EA

Development of new accounts

- Material flow accounts
- Environmental industry accounts
- Climate change accounts
- Emission permits
- Environmental subsidy accounts

Improvement of existing accounts

Enhancement of the use of environmental accounts, environmental economic analyses



In addition: “Sustainable NL”

- First publication: February 2009
- Close co-operation between SN and three Dutch planning agencies
- Capital approach: economic capital, human capital, environmental capital and social capital (12 sustainability themes)
- Future development:
 - Conceptual framework
 - Analysis of trade-offs
 - Website
 - Next paper publication at the end of 2010
- Priority research area: 7-8 fte's

