

# **Session Three: The Analytical Usefulness of a System of Environmental Accounts**

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**S.O.S.**



# S.O.S.

A Standard for Official Statistics

=>

Elevation of the SEEA  
Standard set of tables



# The way forward (1)

- Much discussion on valuation issues (e.g. degradation of ecosystems)
- Not solvable in the near future
- Push the agenda on the issues we can agree upon
- SEEA, Volume I

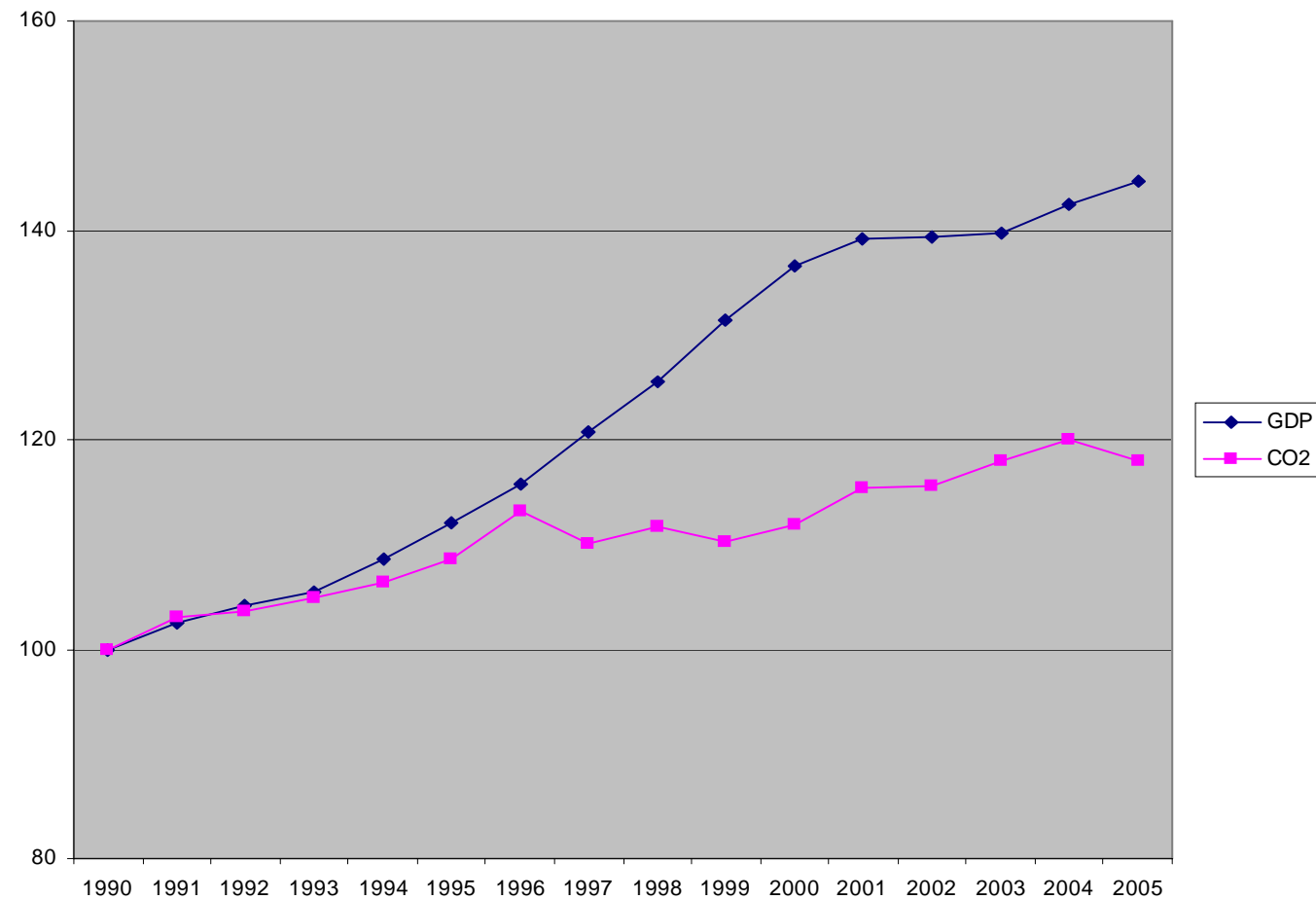


## The way forward (2)

- A set of indicators on (macro-) economic and environmental issues
  - measured in observable units
  - in an integrated framework
- Very powerful tool for analysis and modelling
- Some examples from the NL-practice



## GDP-growth and CO2-emissions, 1990-2005



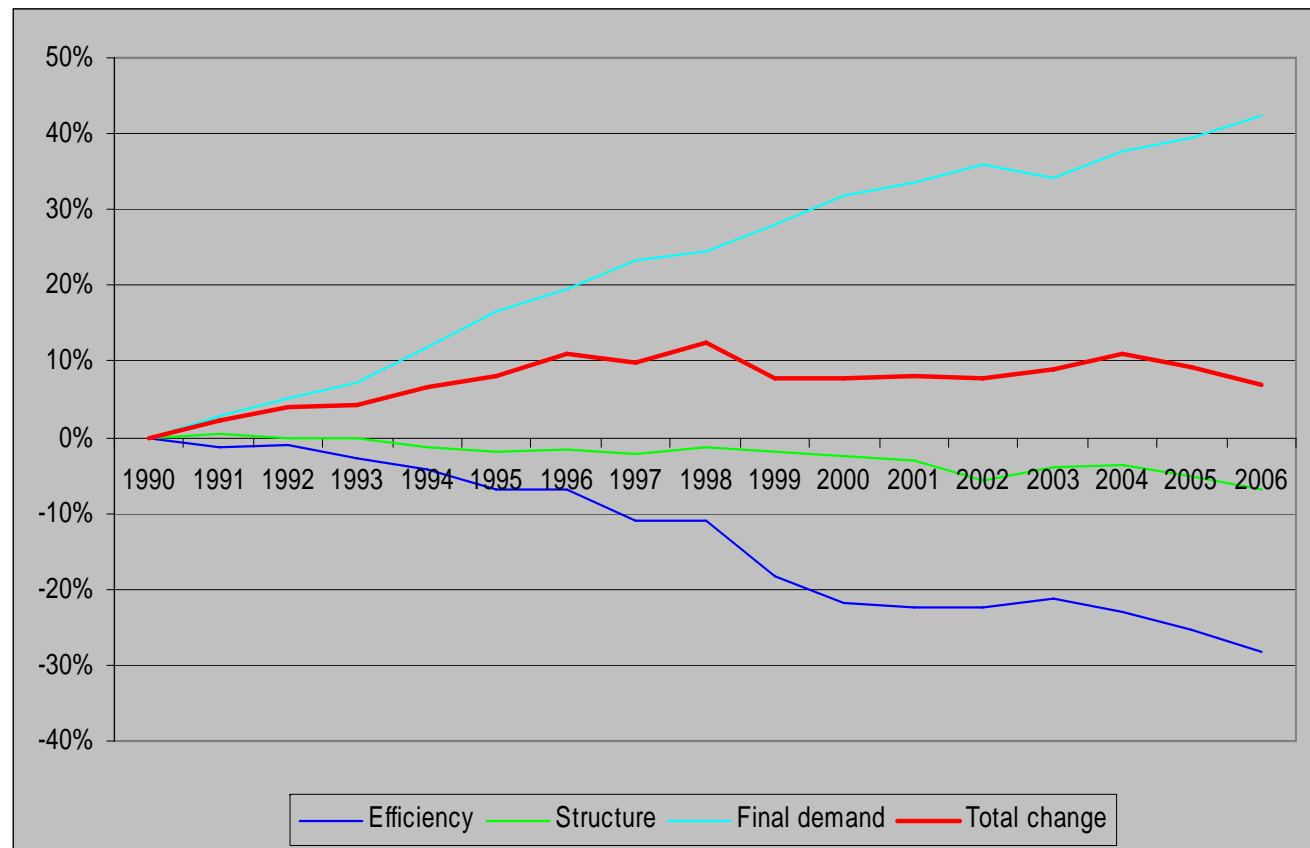


# National accounts, key figures

- GDP-growth
- Taxes and social contributions (%GDP)
- National saving
- National net lending
- Change in financial net worth
  
- Greenhouse effect
- Ozone layer depletion
- Acidification
- Eutrophication
- Waste

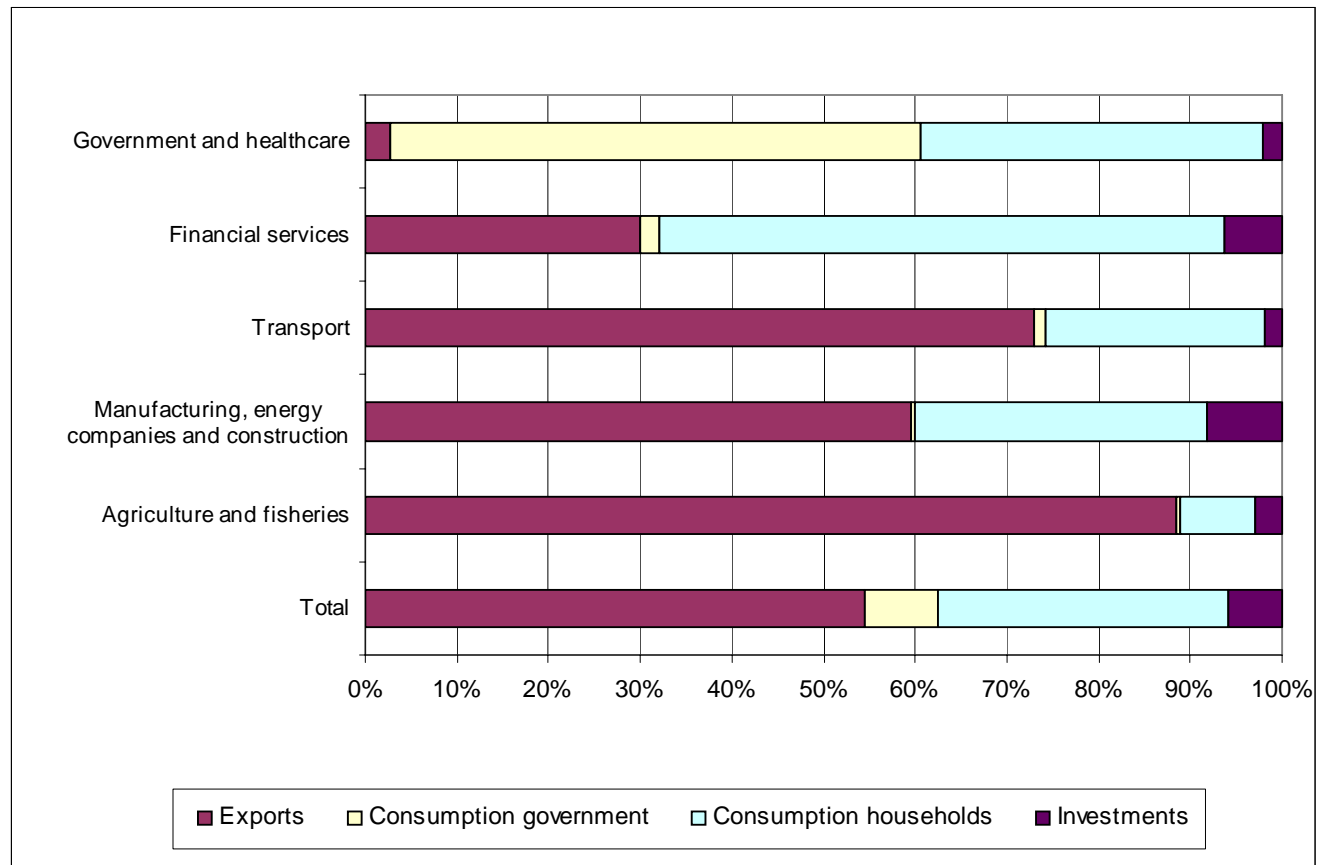


## Structural decomposition analysis for CO<sub>2</sub>-emissions, 1990-2005

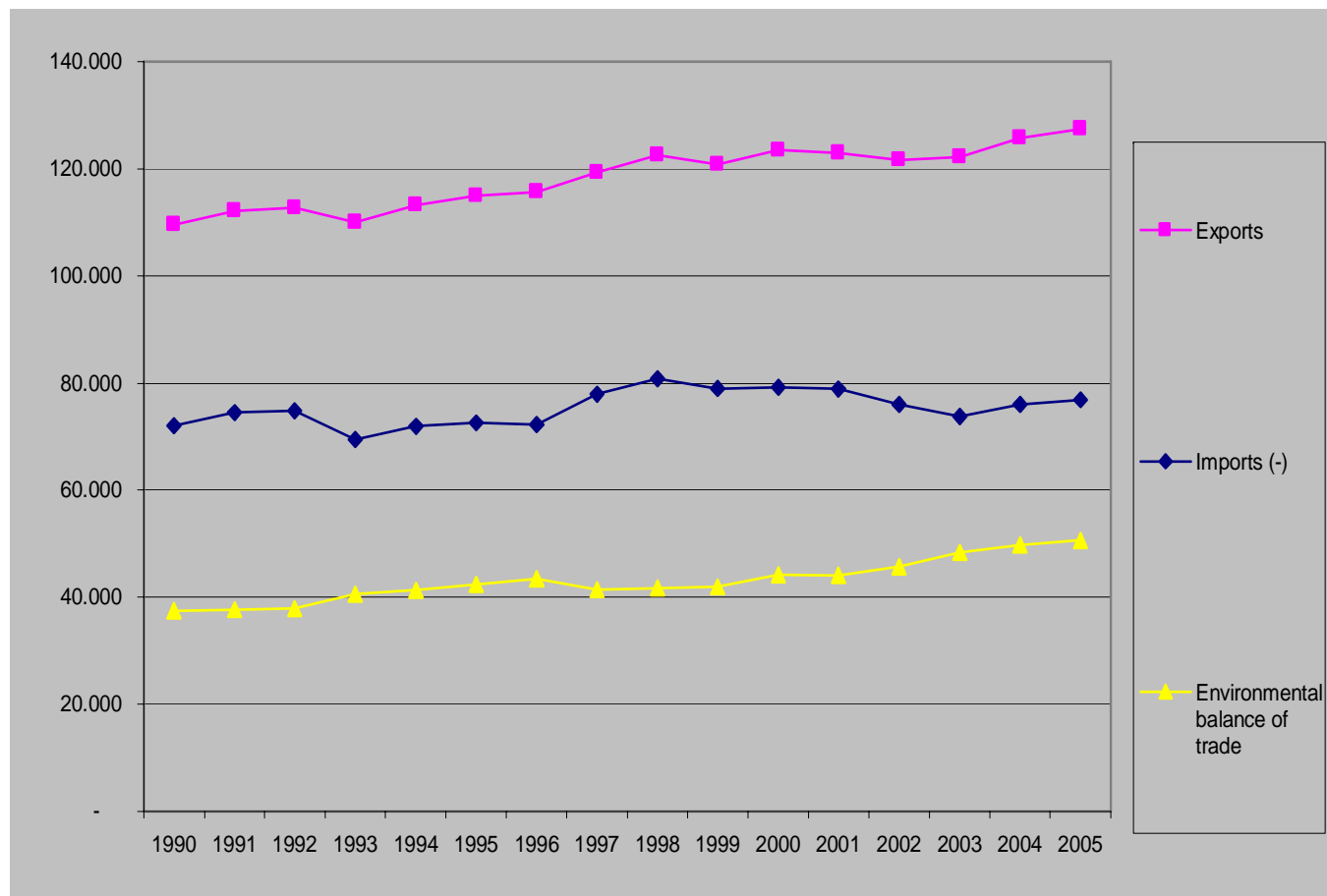




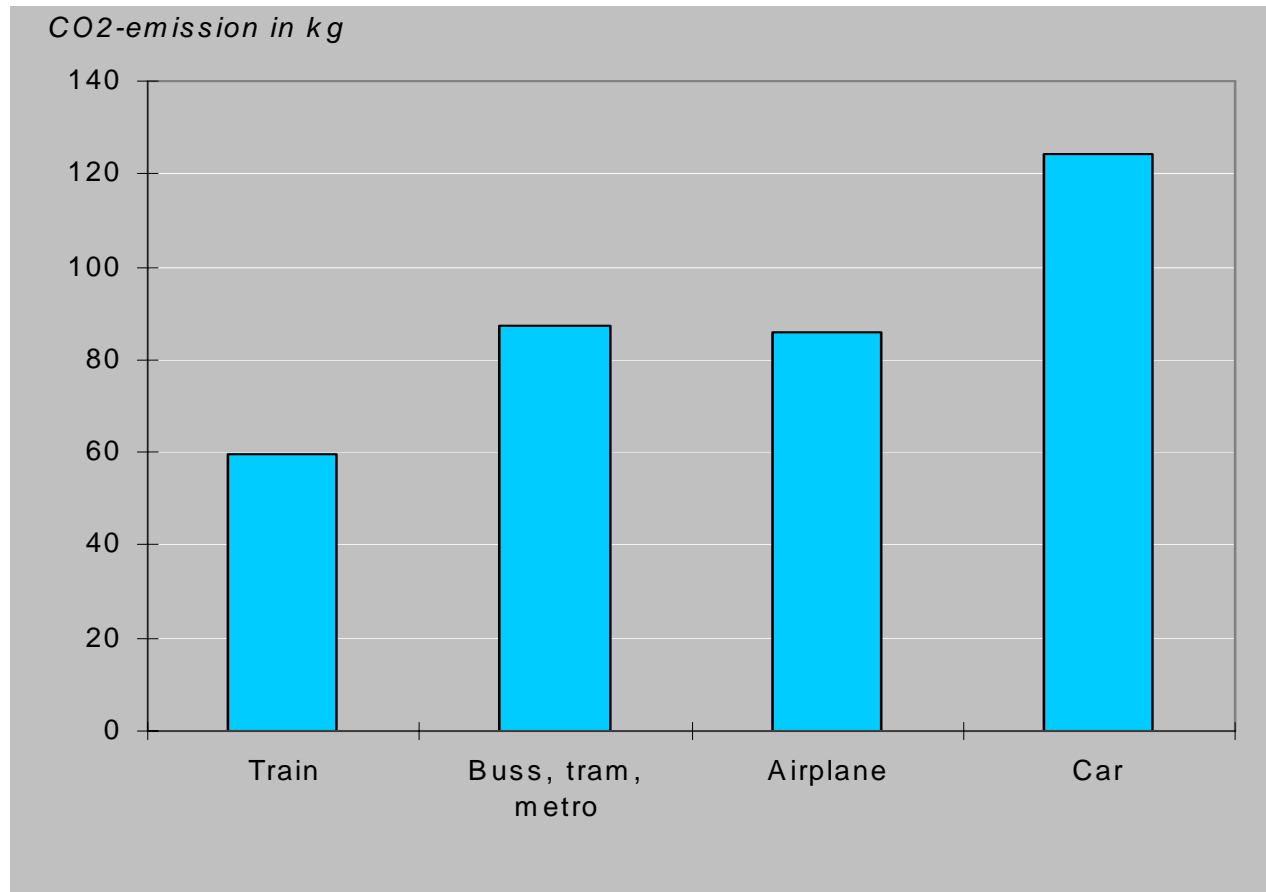
## CO2-emissions attributed to final demand categories, 2005



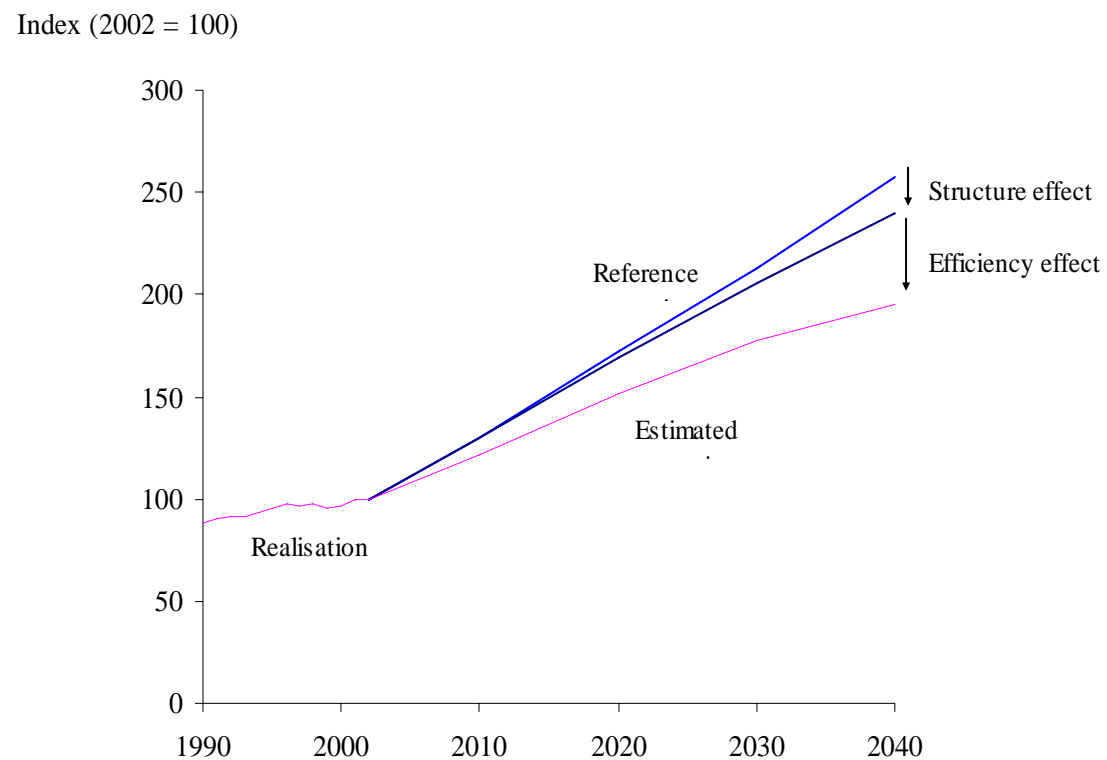
## Environmental balance of trade, 1990-2005



## CO<sub>2</sub>-emissions per passenger kilometre, 2003



# CO<sub>2</sub>-emissions for Global Economy scenario, 2000-2040



# Final conclusions

- Too much emphasis on GDP-growth
- Statisticians are sometimes blamed
- Provide information on the whole picture, a more balanced overview
- NL: Sustainability Monitor
- Internationally:
  - Elevation SEEA to statistical standard
  - Standard set of tables

