The Development of Environmental-Economic Accounts in Denmark

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Statistics Denmark has been the driving force

- 1973: First oil crisis
- 1974: Energy Accounts to be used in Input-Output based analyses and later on in the SUT of the NA
- 1993: Request from researchers for data on other environmental domains to be used in Input-Output based analyses
  - SD participated in a research program
- 1994: London Group
- 2012: SEEA–CF
- 2015: Demand from decision makers

Internationally
‘SEEA’ implementation in Denmark

1974 Energy system related to the national accounts
   Supply-use system for energy (1966-)
   Input-output energy analyses

1993 Danish Environmental Research Program
1993 Work on environmental accounts begins in Statistics Denmark

1999 Current publication of environmental accounts begins
   Energy and emissions to air
   Input-output analysis

2001 Extension of current publication
   Water
   Quantities and value of energy reserves
   Environmental taxes and subsidies

2008 Further extension
   Material Flow Accounts

2010 Discontinuation due to budget cuts

2011 EU legislation - work starts again

2015 Project: Green National Accounts
   Further extensions with new modules

2017 All relevant SEEA-CF modules will be available for Danish users, but funding ends in 2017
Environmental Accounts Section
Within the National Accounts Division

- The Danish Environmental-Economic accounts are for the most part compiled within the National Accounts division.

- Other modules are prepared in other divisions:
  - Government Finances
  - Agricultural Statistics
  - Business Statistics
  - Close cooperation with the External Trade Statistics

- The Environmental Accounts section is the main driving force and coordinates the work.
Production Systems are Reused Year After Year

• With some minor developments and improvements
Module Specific Production Systems

• Combination of mainly SAS and Excel
• Aim to reuse parts of systems – that’s our ambition
• Aim to share metadata – we do that to a wide extent
• Use the same system for dissemination
Communication

• Communication strategy approved by management
  - Describes how and when to communicate with users
    - Newsletters
    - Events
• In addition, the regular dissemination
  - www.dst.dk/en
  - www.statbank.dk
  - Daily News and Statbank updated at 9 AM
  - Publications
Currently No Dedicated Capacity Building Plan For Environmental Accounts

- Environmental accounts are part of an internal course on national accounts.

- Staff has the possibility to take relevant courses as part of the European Statistics Training Program (ESTP).

- Staff has followed university courses on Environmental and Natural Resource Economics.

- Less experienced staff participate together with more experienced staff in international consulting projects on capacity building.
Project: Green National Accounts

- All relevant modules of the SEEA-CF will be developed

- In the coming years…
  - Up-to-date annual accounts?
  - Quarterly accounts?
  - Regional accounts?
  - Depletion adjusted aggregates (GDP etc.)?
International Organizations should...

- SEEA-CF meant a lot in relation to selling the framework to users
- Handbooks, guidelines, courses
- City groups. Create forums bringing subject matter experts together
- Market the environmental accounts
- Advocate towards politicians for the use of the framework
- Affect the design of new statistical frameworks, which are outside the system of official statistics, so that data can be reused in the official statistical system
Contact information

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