

Sweden's experiences with SEEA implementation

Susanna Roth, Statistics Sweden

Joint OECD/UNECE seminar, 28 March 2022

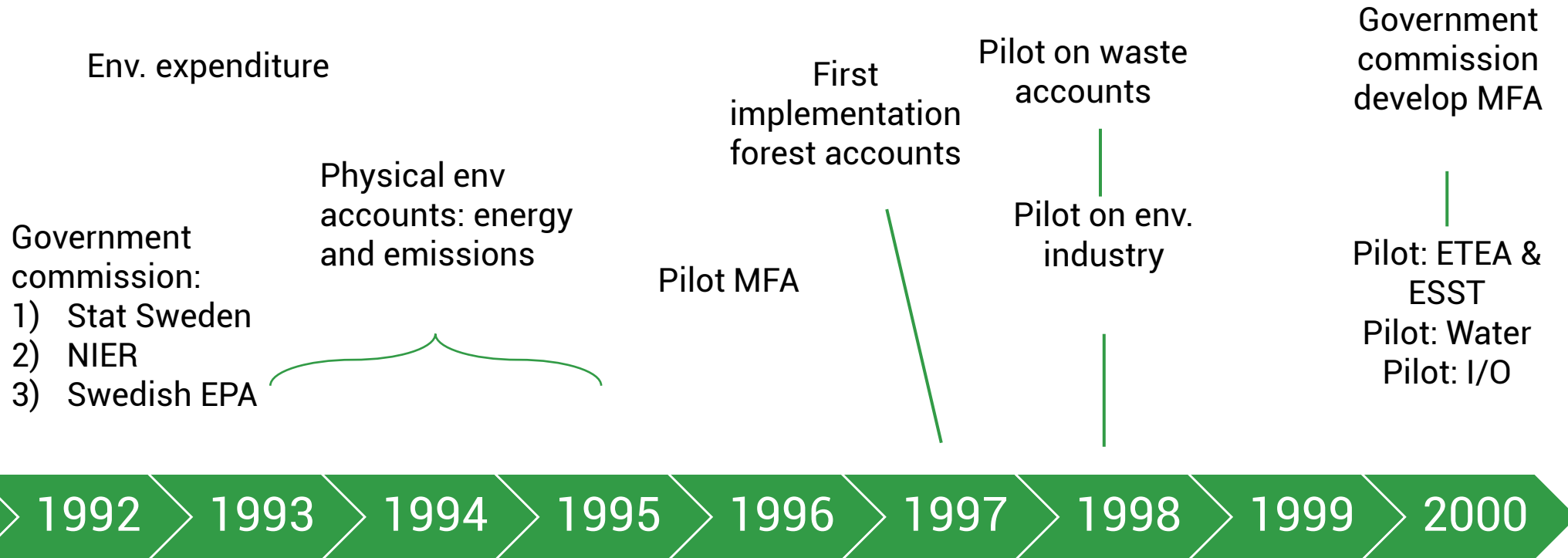


- SEEA implementation
- Application
- Lessons learned
- Future plans

It all started in 1991...



Count with the environment!



Nordic pilot study natural resource and Env accounting

- Forest accounts
- Nutrients
- Environmental protection exp.

... and the development is ongoing



- Implementing pilots in official statistics e.g. energy, air emissions, MFA, monetary accounts, chemicals
 - Priorities in accounts driven by data availability, user needs, international requirements
- Setting up production processes
- Adapting to CF and EU regulation
- Some milestones in recent years
 - 2016 quarterly air emissions
 - 2017 regional air emissions
 - 2019 consumption based GHG emissions

Applications

- EMEC model (Environmental Medium Term Economic Model)
 - used for policy analysis and projections by MoF
- Swedish EPA, e.g. consumption based indicators, quarterly data, material flow
- Cross-party committee on environmental quality objectives – proposal of a consumption based target
- The National Board of Housing, Building and Planning
- Environmental quality objectives and the generational goal
- Involvement in research, ex. Prince-project, Mistra – sustainable consumption, microdata
- SDG
- Eurostat
- Media



Lessons learned and challenges

- Good mix of skills, environmental economist, IT/SAS-knowledge, scientists, statisticians
- Involvement in research and external funding
- Access to data sources e.g. energy statistics
- Grants for testing which accounts that are relevant
- Users and cooperation with other authorities
- Contacts and networks: national, nordic and international
- Effective production processes
- Communication: reports, analyses, seminars
- Human resources
- Small country – pro and con

Future plans

- We have a long term vision:
 - *To be a relevant system for analyses in the national context for the development to a sustainable society. Describe the link between the environment and the economy. Meet the needs of national and international users for timely and accurate statistics. We follow the European strategy on environmental accounts.*
- Consumption based indicators – new indicators and timeliness
- Roadmap for ecosystem accounts
- Other moduels in new EU regulation: Forest account and environmental subsidies
- PEDS and fossil fuel subsidies
- Bioeconomy and circular economy
- Research projects and grants

Thank you!

- Susanna.roth@scb.se

