

SEEA implementation in Finland

Johanna Pakarinen, 14 March 2023,
Joint OECD/UNECE Seminar on Implementation of
SEEA

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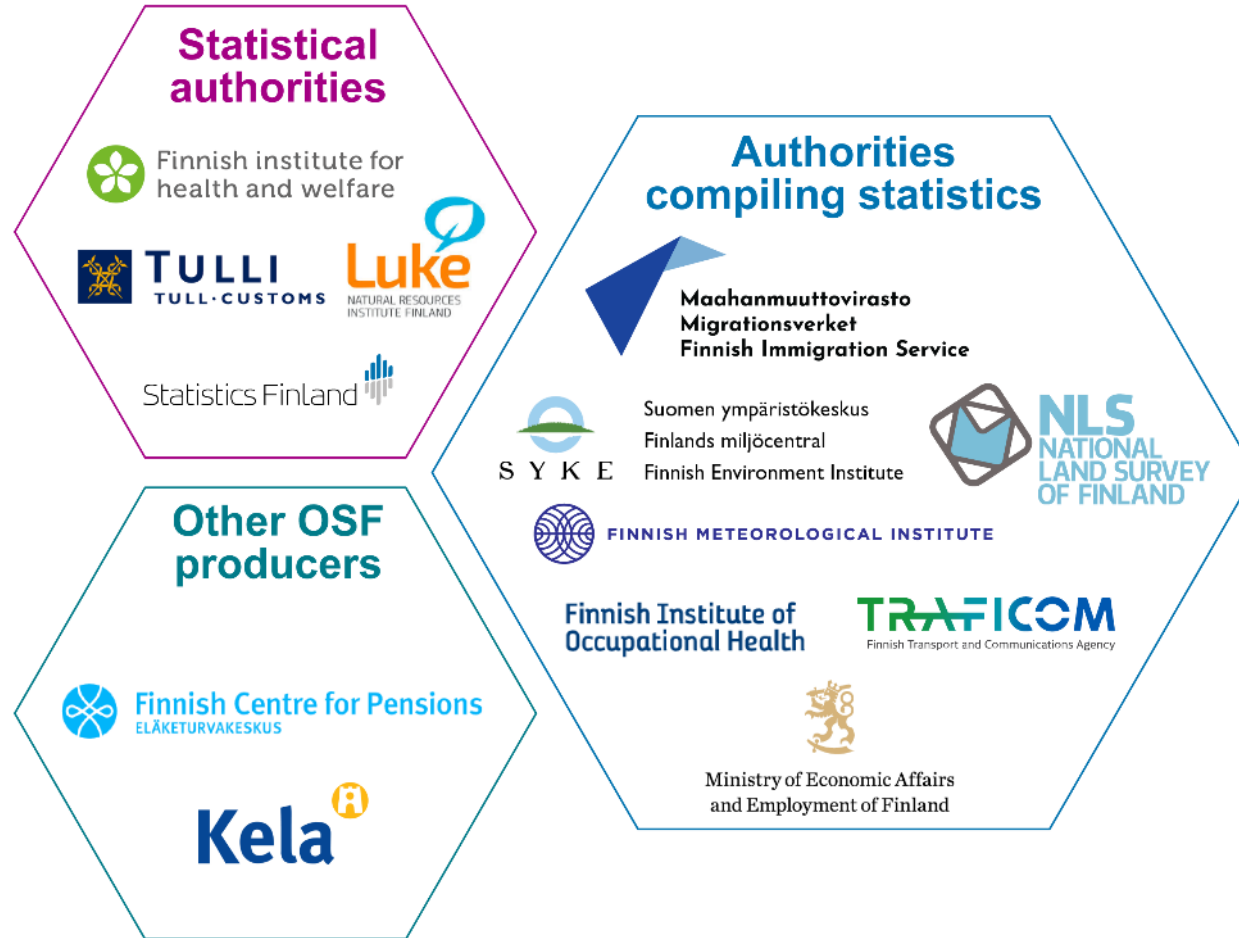
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Institutional arrangements

Overview of the main actors



Actors in the national statistical ecosystem



624

statistical releases

840 experts, of whom
150 statistical interviewers



3.57 personnel
job satisfaction index,
on a scale of 1-5



Funding

EUR 51.5 million
from the state budget



EUR 8.5 million
income from charged services



156 years
of data and statistics



150
statistics



4 700

tables in the database

Data needed for statistics



95% from registers
5% with inquiries

95.5% of inquiries
could be answered online

Statistical inquiries

168 000 responses from organisations
181 000 responses from persons
and households

for researchers

423 user licences
204 data deliveries



1 048

service deliveries subject to charge



90%
of Finns know
Statistics Finland

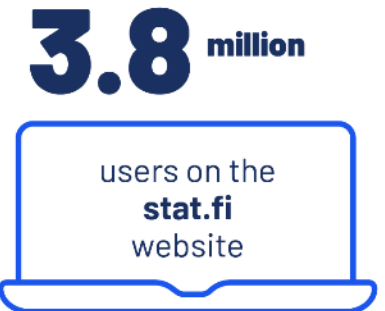
90%
of Finns consider
Statistics Finland impartial



8 000
contacts
answered by
the information
service

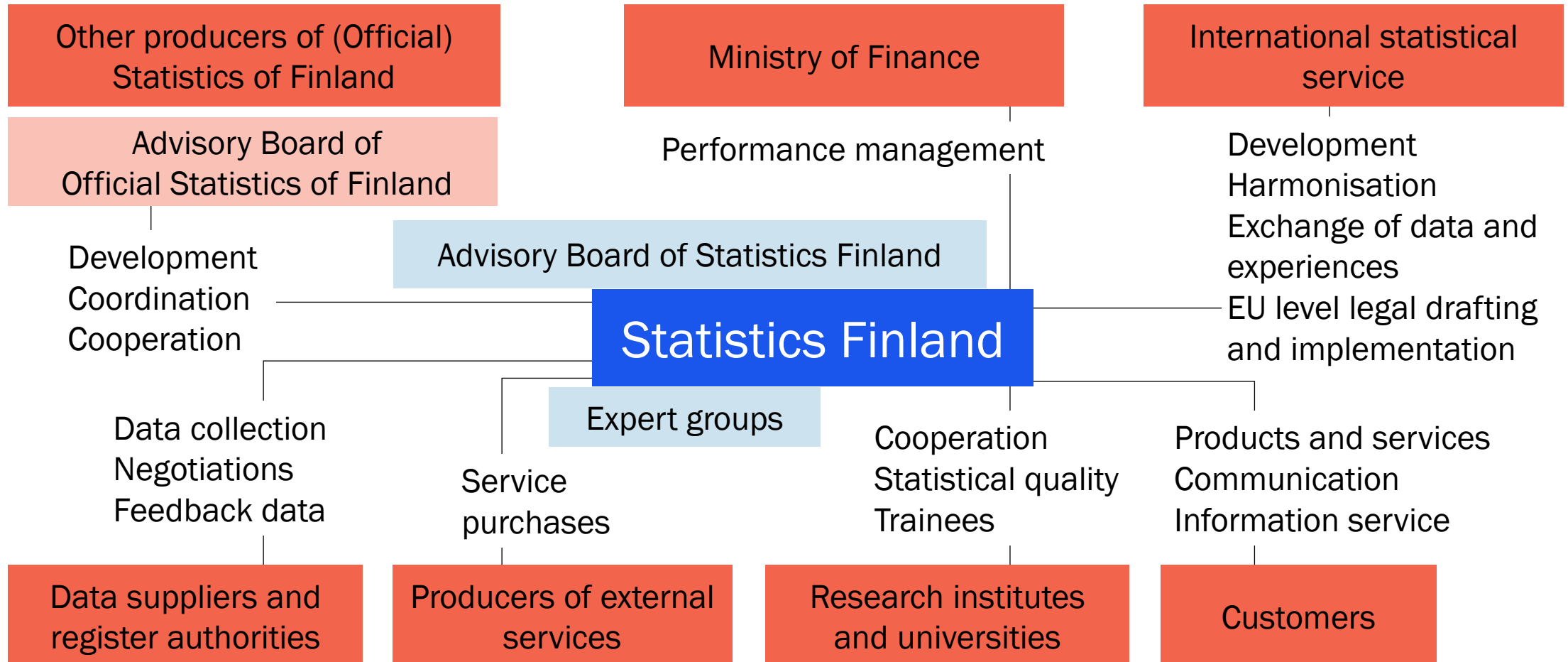


16 500
followers
on Twitter



Read more: stat.fi

Statistics Finland's position and stakeholders





Co-operation between authorities essential

- Statistics Finland focuses on environmental statistics and accounts describing pressures, responses and driving forces
- Statistics on natural resources and state of the environment are compiled mainly by research institutes
Co-operation between Statistics Finland, ministries and research institutes is regular and well organized
- Co-operation is a key to effective use of all possible data sources of environmental statistics



Main environmental statistics of other authorities

	State of the Environment	Pressures	Renewable Natural Resources	Non-Renewable Natural Resources
Finnish Environment Institute	<ul style="list-style-type: none"> Water Biodiversity 	<ul style="list-style-type: none"> Air Emissions (excl. traffic) Waste Water Discharges 	<ul style="list-style-type: none"> Water 	
Natural Resources Institute	<ul style="list-style-type: none"> Forest 		<ul style="list-style-type: none"> Forest Fish and Game 	<ul style="list-style-type: none"> Land (National Land Survey of Finland Ministry of the Environment)
Finnish Meteorological Institute	<ul style="list-style-type: none"> Air Quality 	<ul style="list-style-type: none"> Long-range transport of air pollutants: 		
Finnish Safety and Chemicals Agency				<ul style="list-style-type: none"> Minerals (Geological Survey of Finland)



Co-operation Group for Environmental Accounts

- Communication with / between interest groups
- Co-operation in international affairs
- Other possible issues
- Members among others from
 - Ministry of the Environment, Finnish Environment Institute
 - Ministry of Agriculture and Forestry, Natural Resource Institute Finland
 - Ministry of Employment and Economy,
 - Ministry of Finance, Government Institute for Economic Research
 - Prime Minister's Office Finland
 - The Federation of Finnish Technology Industries

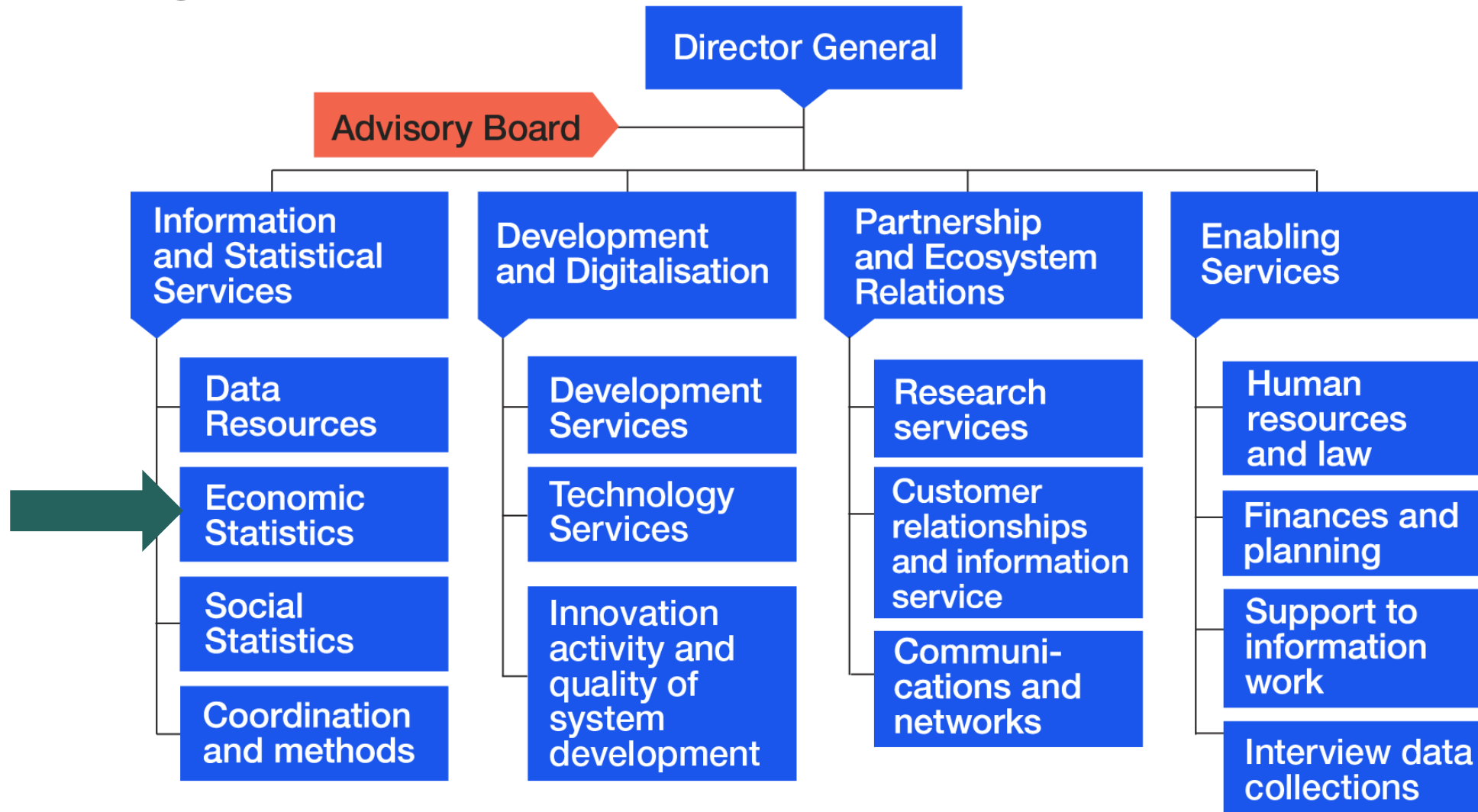


Organizational environment

SEEA production in Statistics Finland



Organisation



Economic Statistics



National Economy

National and Financial accounts, Balance of payments, etc.



Environment and energy

Environmental Accounts, GHG inventory, energy balances, etc.



Enterprises

Structural business statistics, innovations, etc.



Prices

Price indices, etc.





Steering Group for Environmental Statistics

- Follows and advises ongoing work in Greenhouse Gas Inventory, Environmental Accounts and Energy Statistics
- *Works as advisory board for director in matters that concerns these statistics*
- Group members:
 - Director from Economic and Environmental Statistics, Heads of Statistics, Senior Advisers and Team Leaders from Environment and Energy and Greenhouse Gas Inventory, Project organization
- Meetings appr. once a month



Environmental Accounts Team

Appr. 8 people

Grouped together with Energy statistics and Greenhouse gas inventory teams

Main Tasks: Production of the SEEA and Waste Statistics

Other tasks

- Development work
- Dissemination of the data
- Co-ordination of co-operation
- International co-operation with Nordic countries, EU, OECD and the UN

SEEA in regular production

Environmental
protection
expenditures

Environmental
goods and
services

Environmental
taxes

Economy-wide
material flow
accounts

Air emissions
accounts

Energy
Accounts

- Upcoming: Environmental subsidies will be published for the first time in 2023
- Team is also responsible for waste statistics, waste accounts are not compiled
- Data only available on national level, no possibilities to do any regional statistics at the moment

Production process



IT environment

Common IT architecture and metadata repository



Source data

Mainly macro statistics, only survey is done in EPEA for industry



IT infrastructure

Mainly compiled with SAS EG, additionally some other programs such as Microsoft Excel and Data Integration Studio



Timeline

Data is usually published prior or at the same time as reported to Eurostat

Dissemination

- Data published in Statistics Finland website <https://stat.fi/en/topic/environment-and-nature>
- In addition to statistics, we publish a theme page for combining and analyzing information on SEEA
 - However, our website under revision and development of these theme pages are under on hold until new concept is rolled out



Environmental accounts

Environmental accounts are a systematic **description of the relationship between the environment and the economy.**

Environmental accounts can be used as an information source in environmental and economic policy, environmental research and in comparison of the environment and macroeconomic development. They

https://www.stat.fi/tup/ymparistotilinpidoon-teemasivut/index_en.html



Side note: Circular Economy Business Indicators

- Our team also compiles and publishes thematic pages for circular economy and indicators for circular economy business

Home > Products and services > Circular economy > Indicators for the circular economy business

PRODUCTS AND SERVICES

Circular economy

Indicators for the circular economy business

Indicators for the circular economy business 2020



Indicators for the circular economy

The indicators demonstrate Finland's progress towards the circular economy with an emphasis on a business perspective. The collection of indicators [was originally produced in 2020](#) and updated in 2022. Updating will continue in 2023.

The circular economy is often seen as a comprehensive system change. Its achievement requires development across all product and service value chains. To support understanding, the circular economy is described as a set of activities that are pivotal from the perspective of a product or service life cycle. There are eight activities, which encompass a total of 18

https://www.stat.fi/tup/kiertotalous/index_en.html

Expected in the future...

- Ecosystem and Forest Accounting
 - More of the work is likely to be split between agencies
 - Coordination and cooperation needs increase
- The demand for environmental information (and 'beyond-GDP' data in general) seems to be increasing

Thank you!



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