



Statistics Estonia

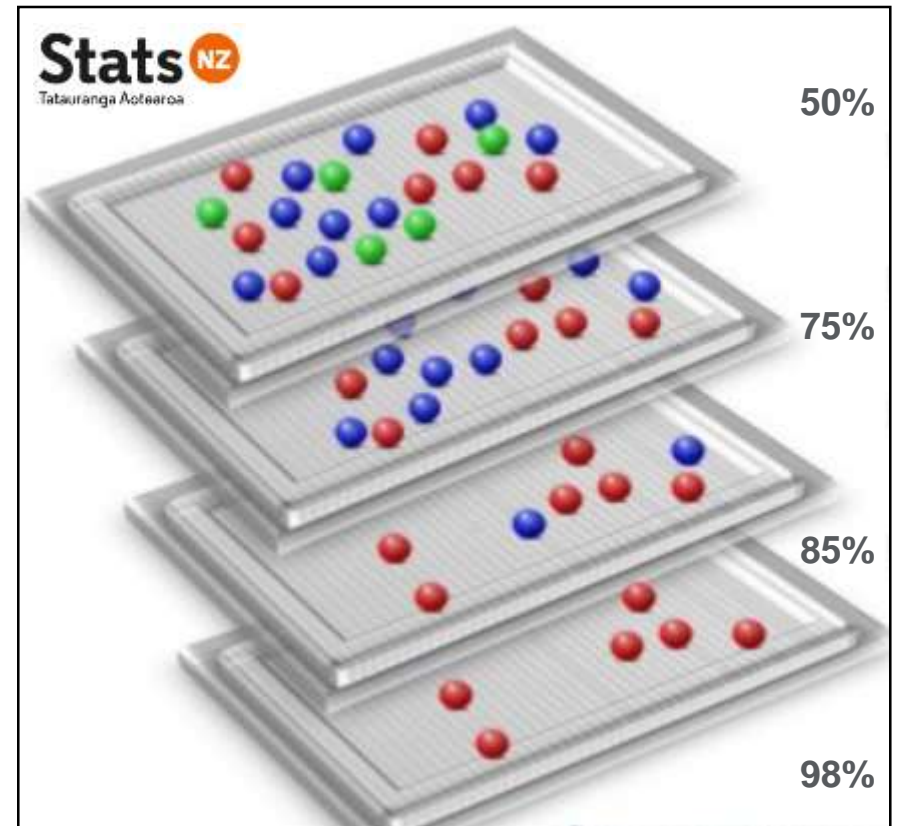
Roadmap to Data Agency



Data Governance (Data Stewards)

Four steps to ensure that data for decision-making is correct and relevant in terms of time and content:

1. Understand where and how data appear (metadata)
2. Establish data governance principles, data standards and data quality control
3. Administered data processing and anonymised sharing
4. Visualisation of indicators and dissemination with meta-information



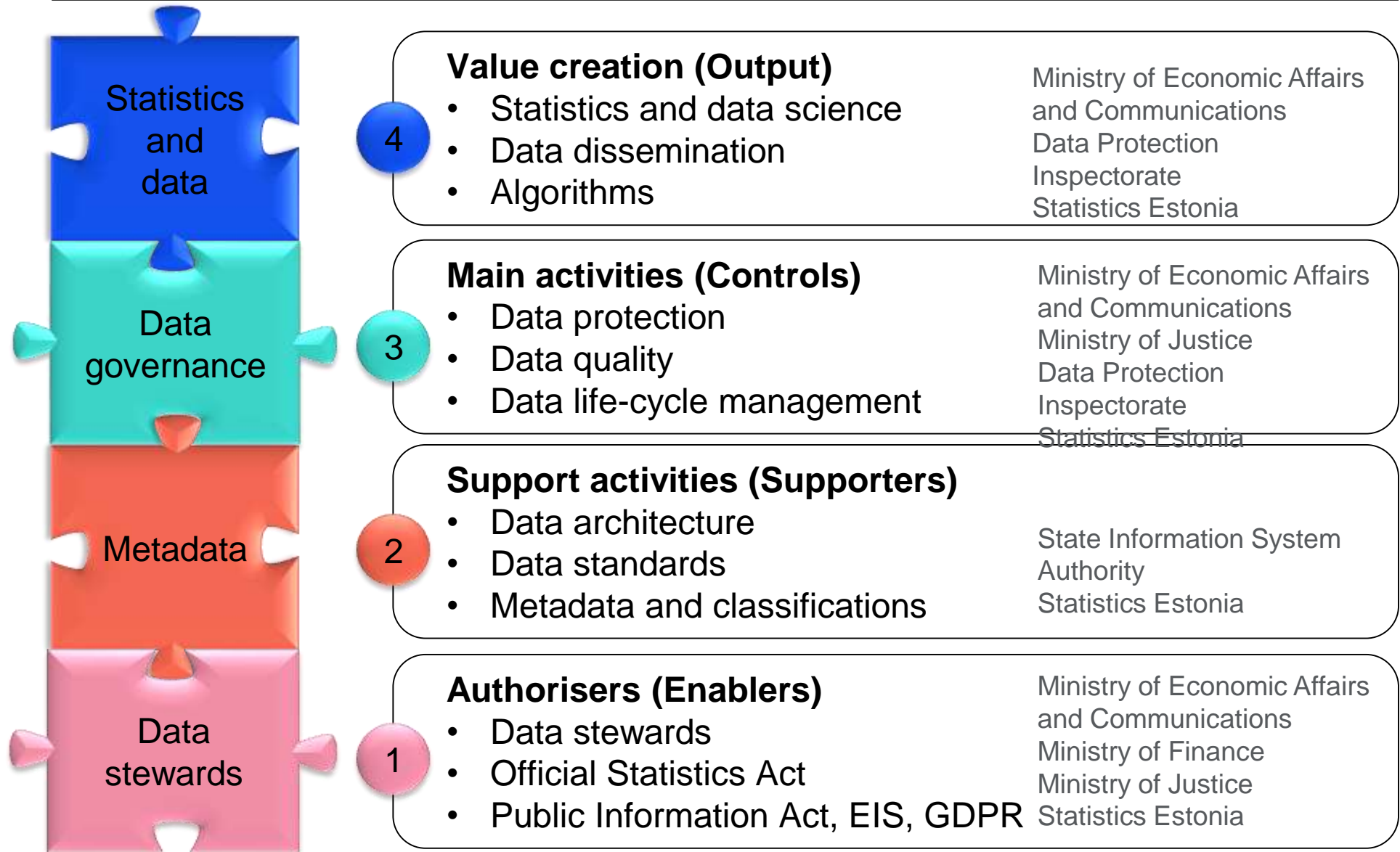


Digital Agenda 2020 for Estonia (EIS)

- Set by the Estonian government in 2013, reviewed 1 November 2018
- Sub-objective: ICT solutions are used to enhance the functioning and management of public authorities by improving public sector capacity to use data analytics and data science, incl. respective awareness and skills.
- Activity: **Statistics Estonia** will be transformed into public-sector **competence centre for data governance and data science**, which would support data-driven decision-making in the country, taking into account the systems supporting the state information system.



Data Strategy Action Plan 2018–2022



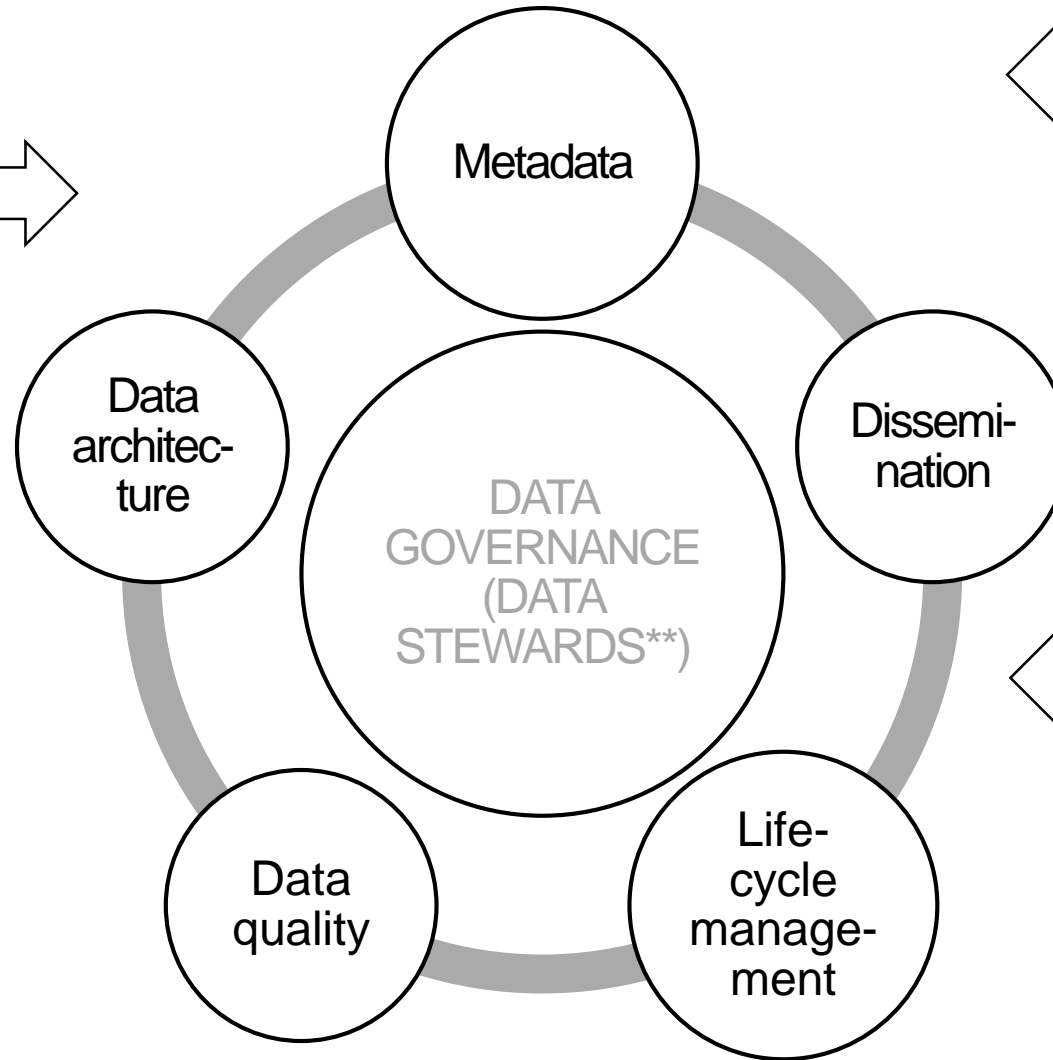


Ministry of Finance, Ministry of Economic Affairs and Communications, Ministry of Justice:

Data governance – new role for NSOs

State Information System Authority

- Architecture of state information systems
- State data and document exchange layers
- State cyber security
- State infrastructure



Data Protection Inspectorate

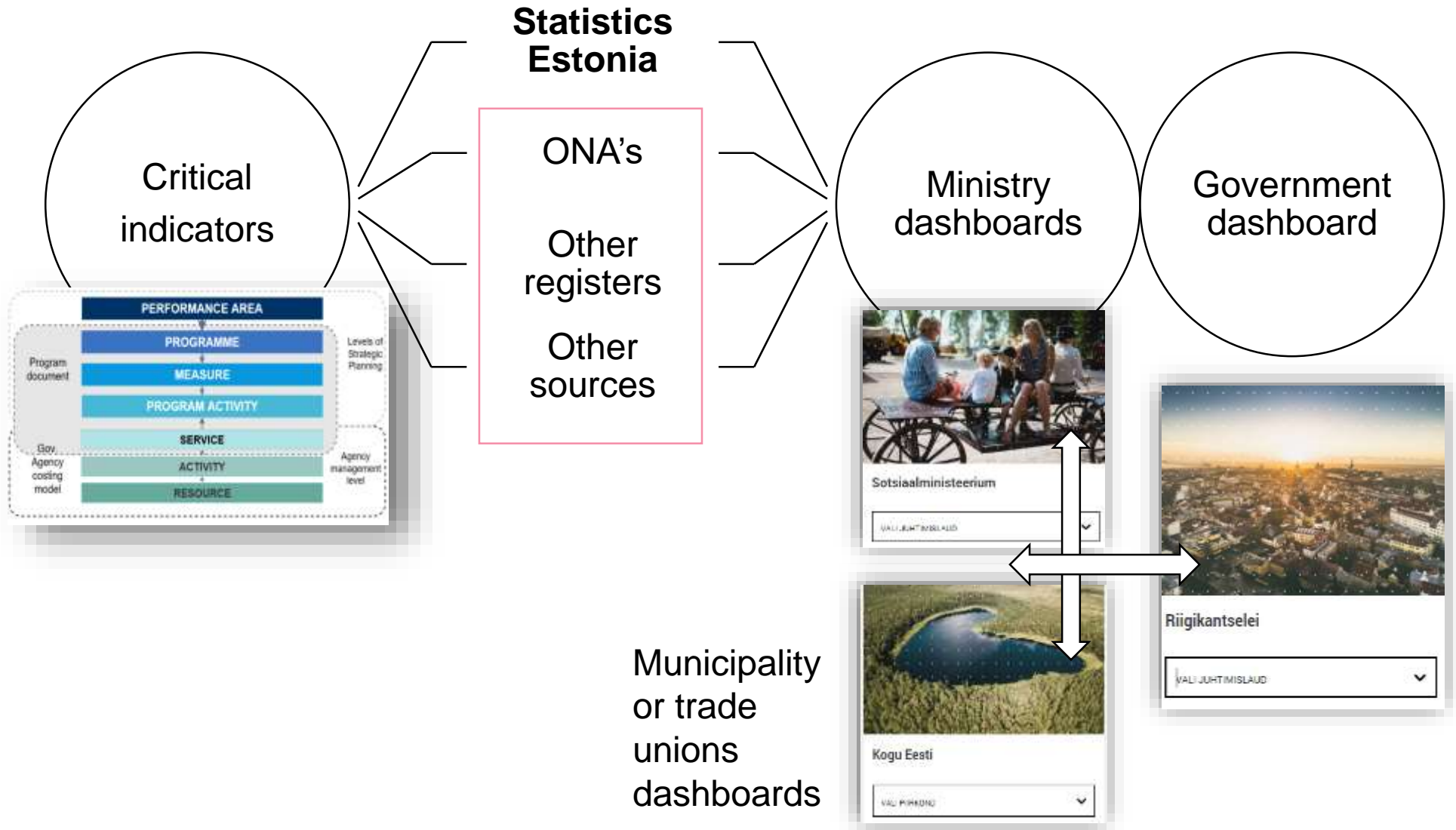
- Personal data protection
- Access to public data
- Restricted information protection

National Archives, etc.

- Data archive
- Source data of surveys



User-friendly dissemination



Dashboards <https://juhtimislauad.stat.ee/>

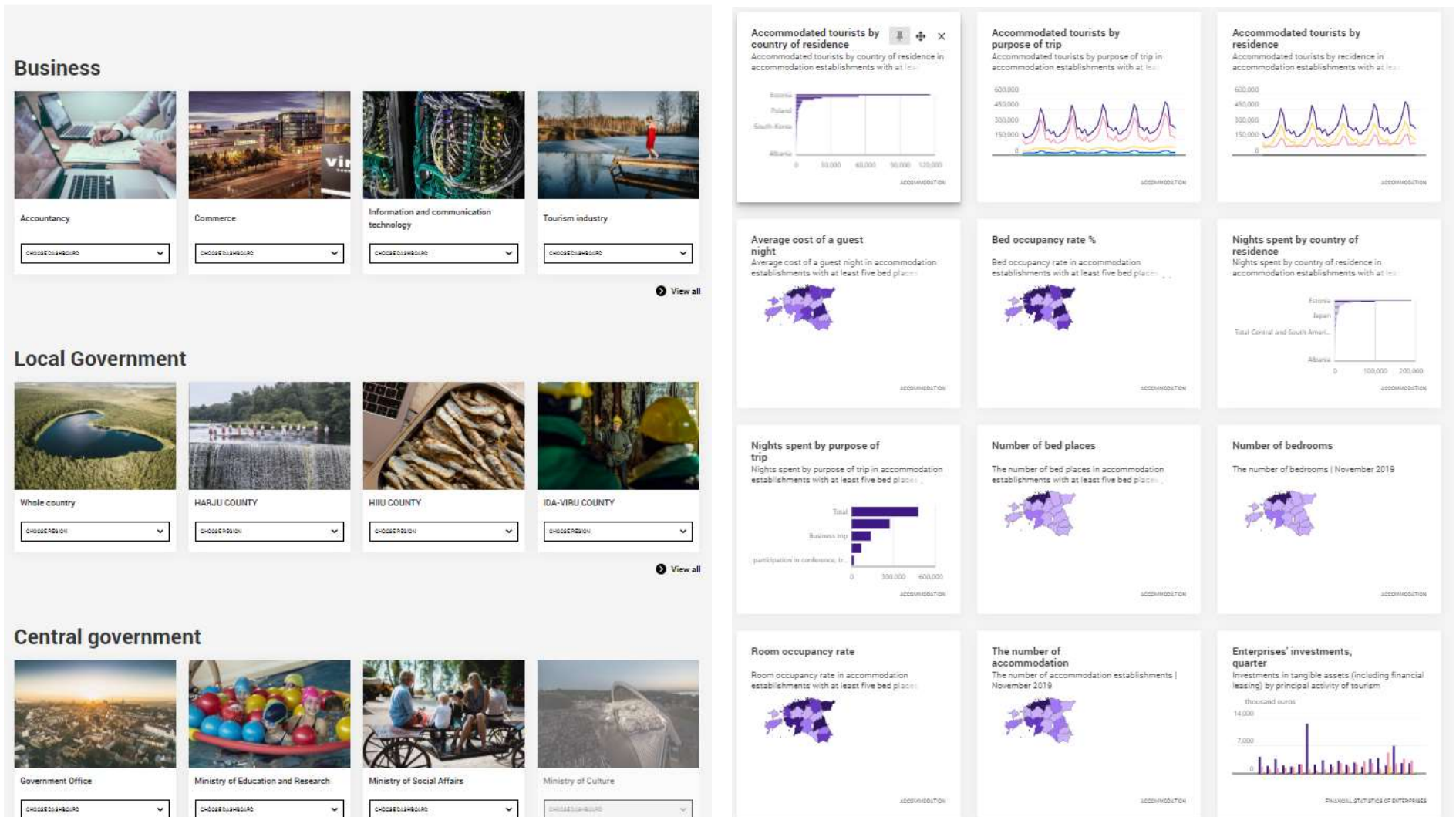
Key clients

Central
government
Local government
Trade unions

Indicators:
incl. short
explanation,
source of
information

Build your own
dashboard

Dashboards



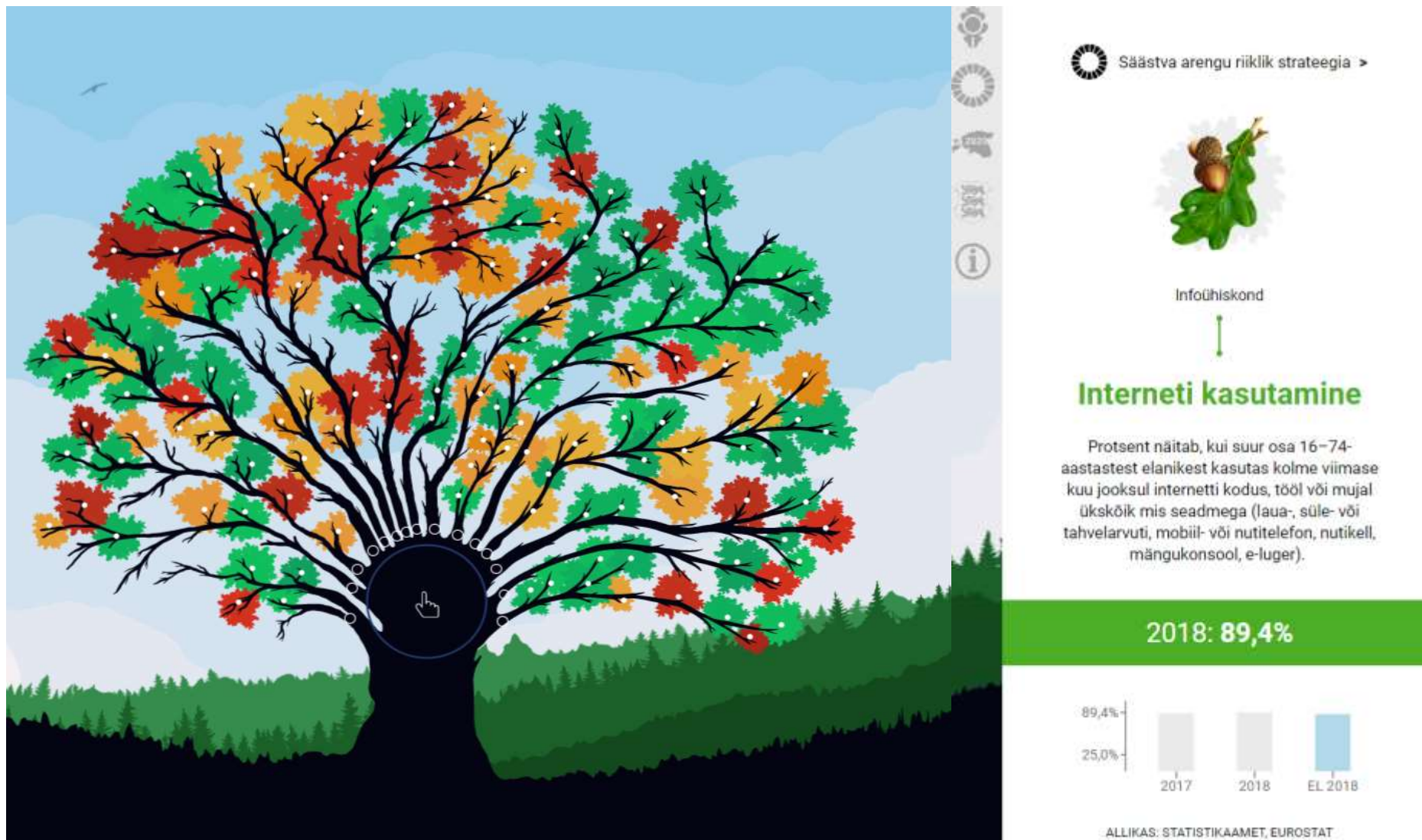
The Tree of Truth <https://tamm.stat.ee/>

Layers:
strategic plans

Branches:
performance
areas

Leaves:
135 indicators
incl. short
explanation,
current and target
state with source
of information

STATISTICS
ESTONIA





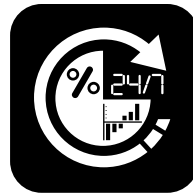
Main challenges of Statistics Estonia for the next decade

Strong data governance
Multiple-source data



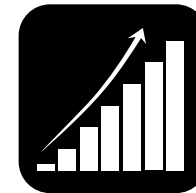
High quality of statistics
High-quality indicators with metadata

Real-time information
Faster and simpler information



Reliable information
Quality data for media

Globalisation and Big Data
More in-depth information



User-friendly dissemination
Personalised view of information

Low administrative burden
Once-only principle in collection



Real-time data mining
Quick and quality decision-making



Thank you!

Kaie Koskaru-Nelk

Deputy Director General

kaie.koskaru-nelk@stat.ee

STATISTICS ESTONIA

www.stat.ee

Tatari 51, 10134 Tallinn

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