

منتدى الدوحة للبيانات

من أجل الابتكار في التنمية المستدامة

23-22 أكتوبر 2024

DOHA DATA FORUM

FOR INNOVATION IN SUSTAINABLE DEVELOPMENT

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Data Governance: Building Trust through Effective Data Governance – Ensuring Integrity in a Data-Driven World

Mari Ylä-Jarkko

Doha Data Forum 2024

Presentation



Data Quality
Framework

The results are as
good as the source
data



Joint register-hubs

Sharing data
through joint
register-hubs



Developing new
statistics

Statistics are not
developed in a desk
drawer



Data for policy
analysis

The value of data
increases when
used



Data Quality Framework

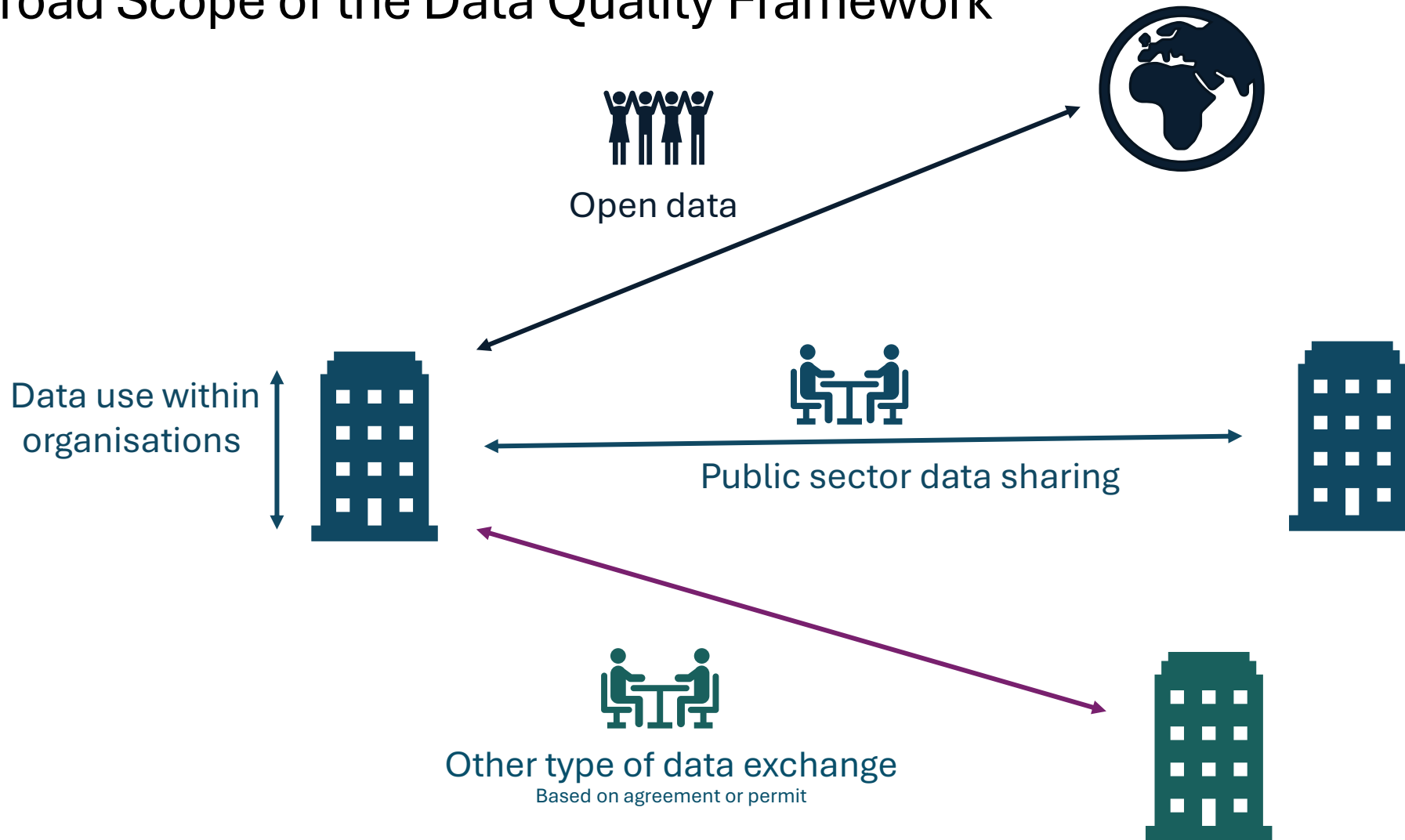
More information: https://stat.fi/org/tiedonlaatukehikko/index_en.html



Living in the Data Driven World

- The amount of data is ever-increasing and so are the data opened and governed by government institutions.
- It is essential to recognise and describe the quality of the public sector data uniformly.
- Moreover, the more we wish to reuse the data for some other purposes than the original one, the more important it is to verify the quality of the data.

Broad Scope of the Data Quality Framework



The project on opening up and using public data (TiHA) 30.4.2020 – 31.12.2022

- Set up by the Ministry of Finance.
- TiHA project Work packages
 - WP1 Strategic aims
 - WP2 Opening up data, including common practices
 - **WP3 Data Quality**
 - WP4 Semantic and technical interoperability, including guidelines for APIs
- WP3 Data quality is aiming at improving the usability of public data resources
- WP3 was led by Statistics Finland

Statistics Finland 



Valtiokonttori
Statskontoret
State Treasury



Finnish Institute of
Occupational Health



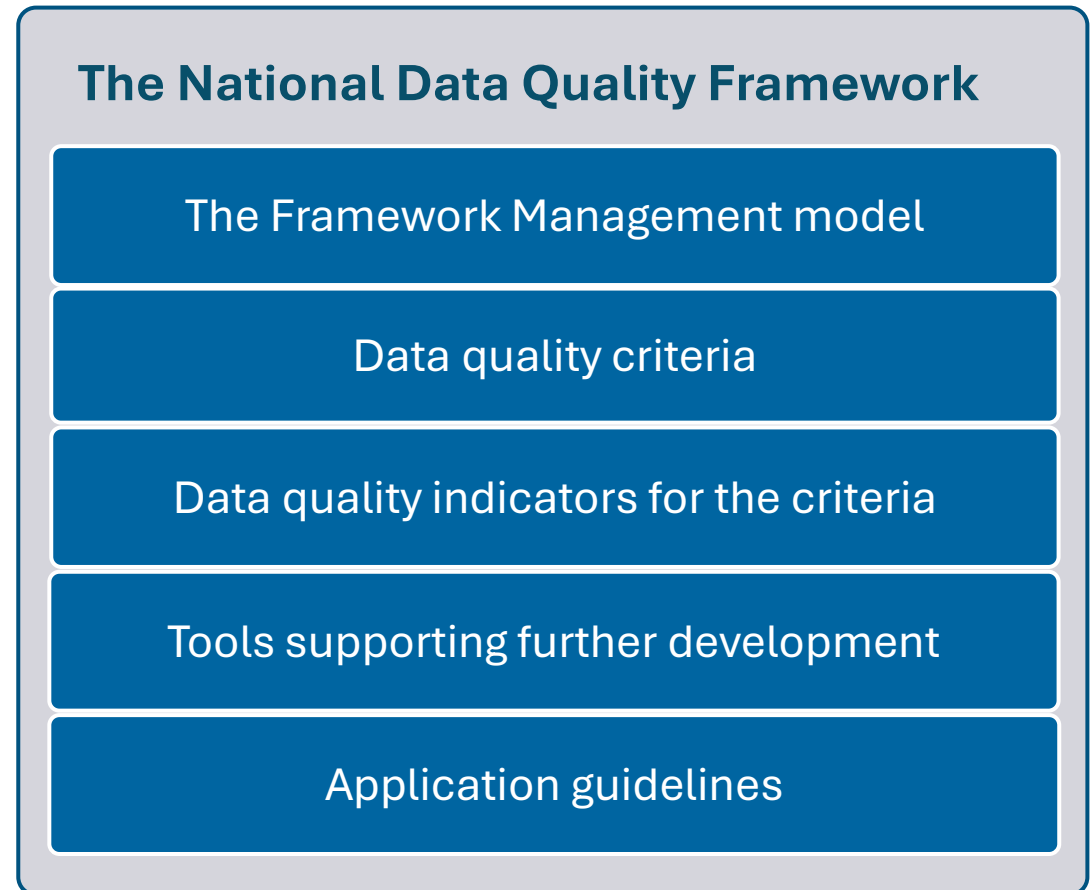


The Data Quality Criteria and Indicators

- The data quality criteria and indicators are a tool for describing and evaluating data quality.
- They answer to the question: What does data quality mean?
- Principles for data quality criteria: standard-based and easily applicable
- Development methods: discussion, collaboration piloting and iteration

The National Data Quality Framework

- A national tool for data quality assessment.
- The data quality criteria and the indicators together with models and tools supporting their implementation and management form together the National Data Quality Framework.
- The data quality criteria and indicators were created in cooperation with a substantial number of stakeholders. They



Data Quality Criteria

How well does information describe reality?

Correctness

Accuracy

Completeness

Consistency

Currentness

How can I use information?

Portability

User rights

Punctuality

How has the information been described?

Traceability

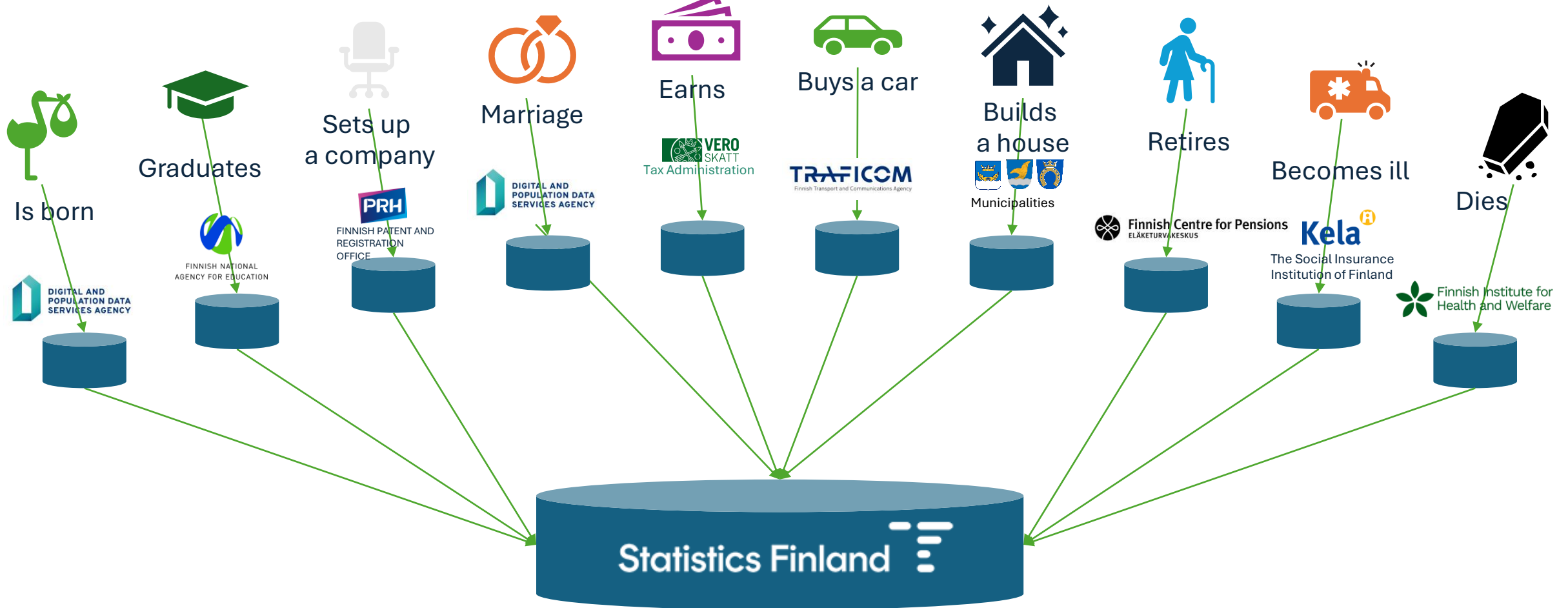
Understandability

Compliance



Joint register-hubs - case Incomes Register

Data from birth to death



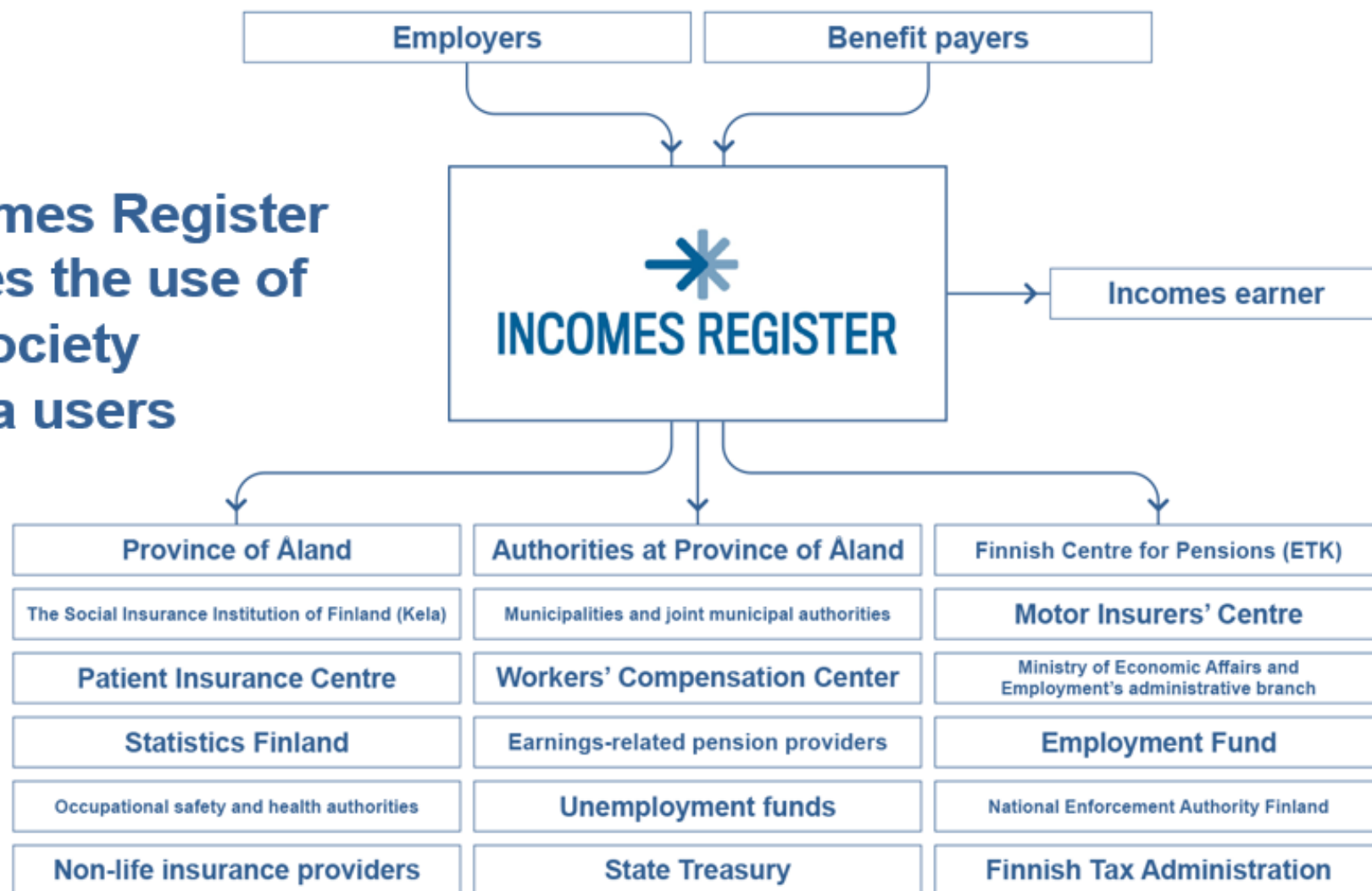
Information needs of society

Incomes Register developed together

- The register was created in cooperation with, for example, employers' organisations, payroll system suppliers, and various Finnish authorities.
- This unprecedented co-operation between various parties span from designing the register and testing it all the way to production.
- And co-operation continues.
 - We develop the Incomes Register with our customers. We process all received feedback, change requests and recommendations as part of the development of the Incomes Register.
 - Read more about development of the Incomes Register: www.vero.fi/en/incomes-register/about-us/development/



The Incomes Register automates the use of data in society – the data users



INCOMES REGISTER

Statistics Finland | mari.yla-jarkko@stat.fi

Slide: Incomes Register



Developing new statistics

World is becoming more complicated, the volume of information is exploding

The world is filled with correct and incorrect information, and technology accelerates the change. Extensive public-sector data resources are produced in Nordic societies, and opportunities for using them are constantly growing. Demand for cooperation and trust increases.



Experimental statistics

- Experimental statistics can be used to publish completely new statistics, to test the effects of methodological changes to existing statistics or to publish the results of international development work.
- Experimental statistics are identified by the Experimental Statistics logo.

- Describe new areas of phenomena, use new types of data or are based on new calculation methods
- Are still under development and we are working with data users to develop them
- Do not have a formal quality or methodological description or an established release schedule.
- Each experimental statistic has an introductory page describing how it is produced and the data sources

Examples:



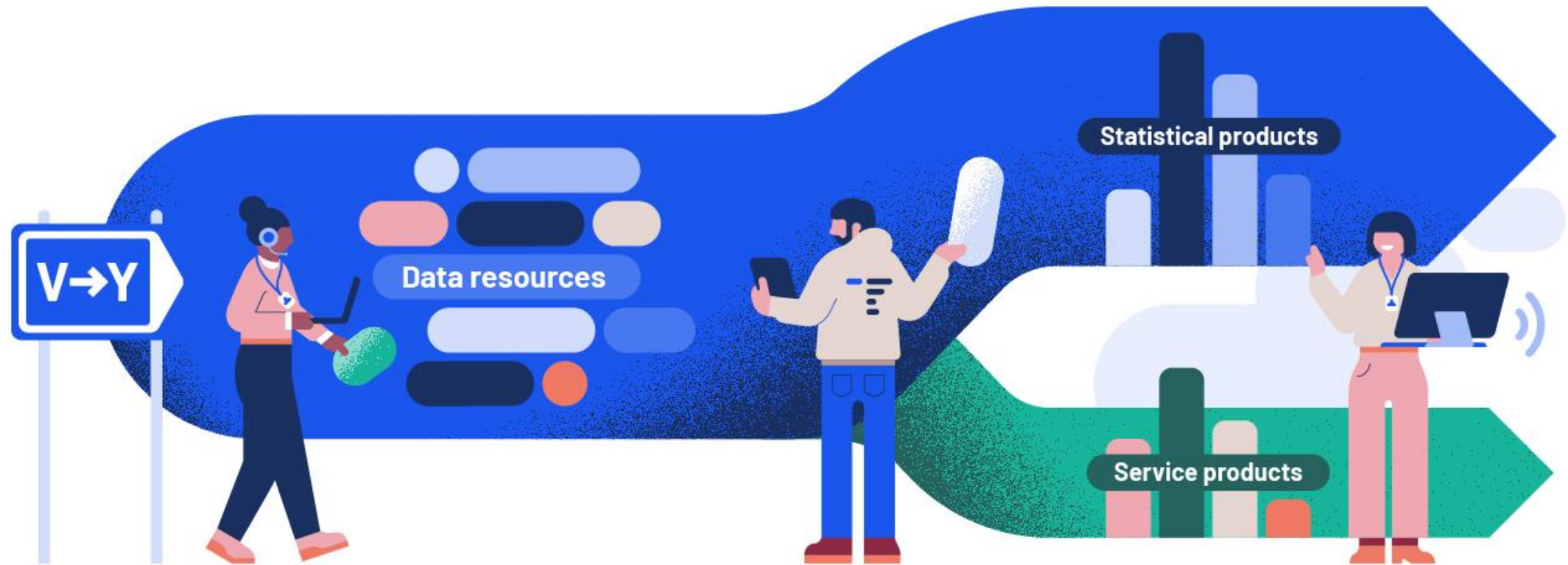
Wages and salaries in the Incomes Register by month



Main activity of the population by month

Data for use - beyond statistics

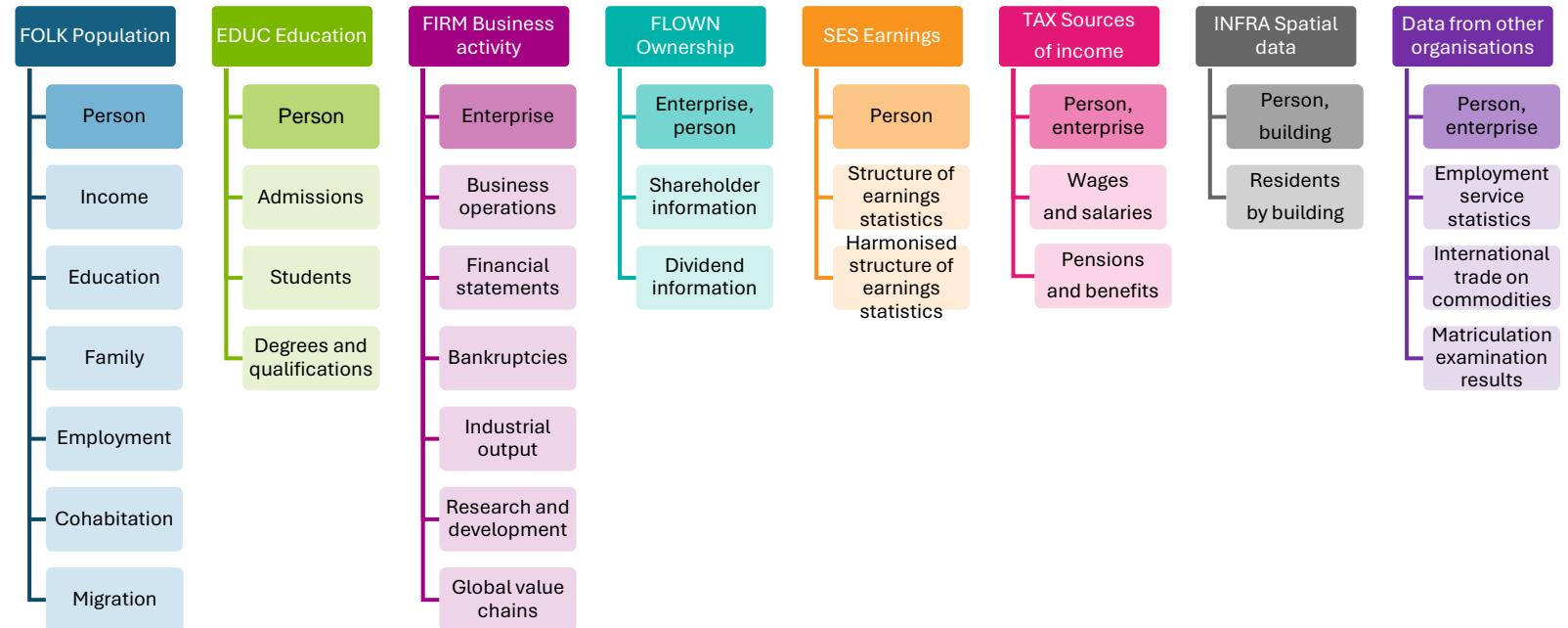
We produce statistical and service products in one process. We make sure that our end products meet the needs of society.



Digital Research-Ready Data Library

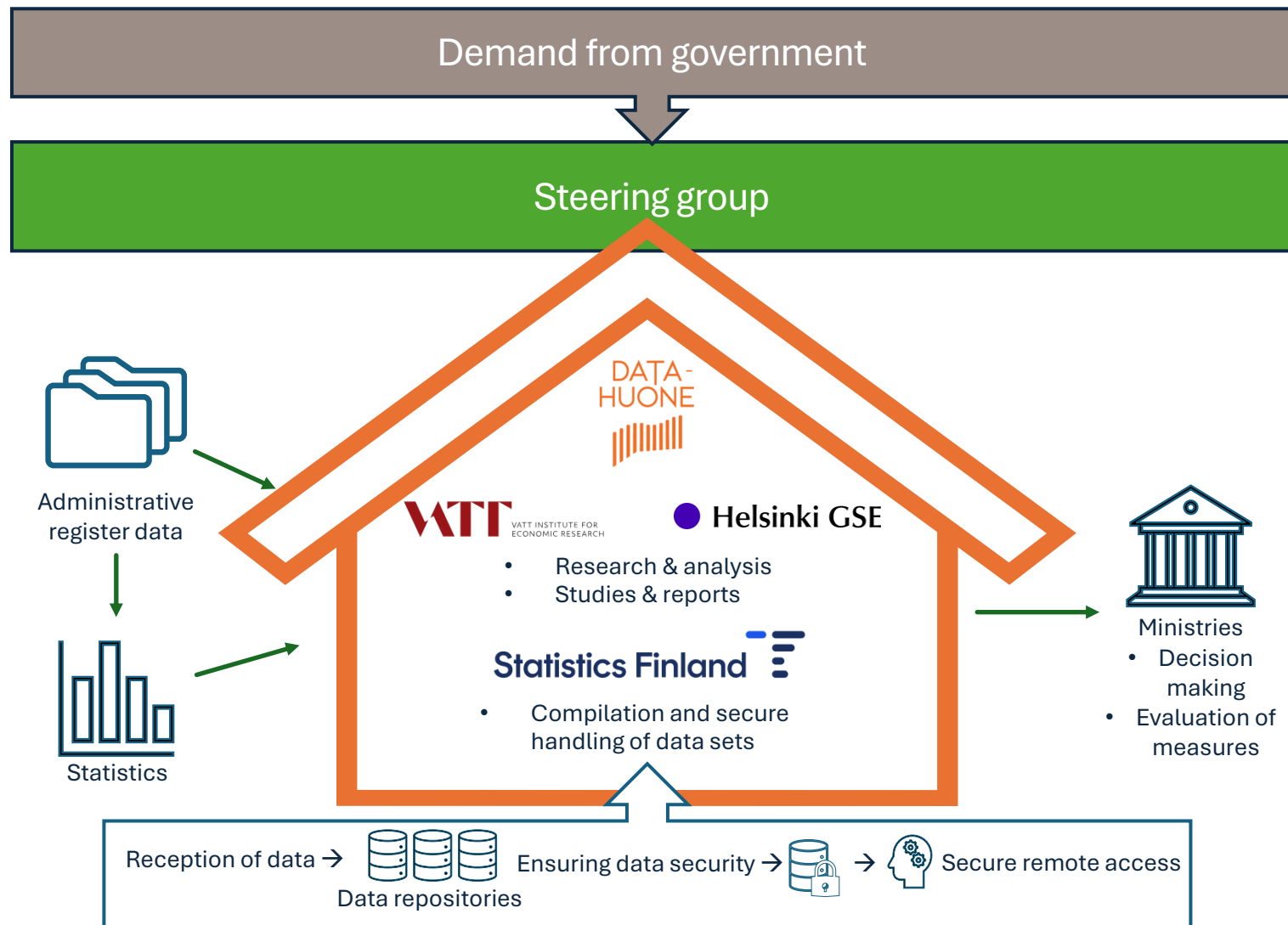
see taika.stat.fi/en/

- Access to the statistical data for researchers granted by permission
 - Pseudonymised data
 - Connectible data sets
 - Safe remote access to data – data not removable
- Also tailor-made data sets for researchers



Dataroom

- The Data Room (Datahuone) is an independent VATT unit that supports knowledge-based decision-making
- Close cooperation with Statistics Finland and the Helsinki Graduate School of Economics GSE
- Activities funded by the Ministry of Finance and the Ministry of Education and Culture





Conclusions

- Need for new and quick data increases rapidly
- Good cooperation of different operators
- Legislation, where access to data defined
- The data never used to make decisions on individuals
- Data security is everybody's business

Thank you!



Mari Ylä-Jarkko
mari.yla-jarkko@stat.fi