Web Intelligence Network Conference From Web to Data

Conference Opening

Gdansk, 4 February 2025

Albrecht WIRTHMANN, Eurostat

Official Statistics paradigm shift

- From a **data-scarce** world …
  - where statistical authorities concentrated on **collecting data** using surveys/census and administrative sources as primary sources
- … to a **data-rich** world
  - where statistical authorities should **distil reliable information** from multiple data sources building on their assets: traditional sources, privacy preservation, quality and sound methodologies (calibration, integration, …)

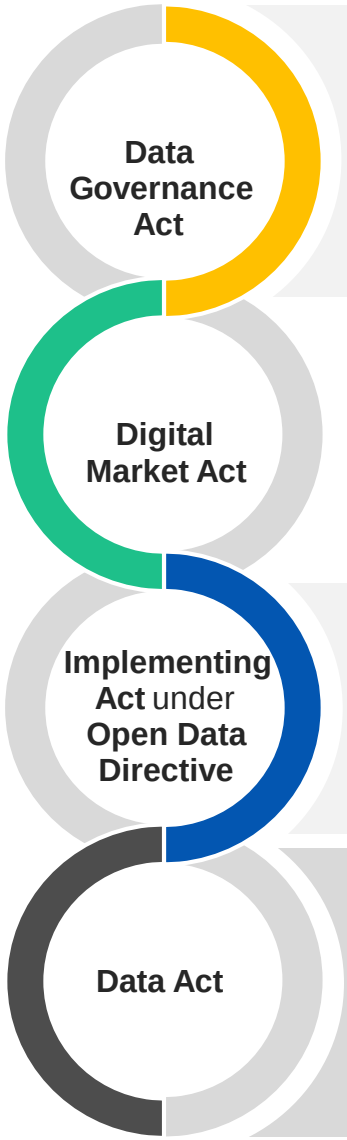
European Data Strategy

Create a single European data space in a way that:

- **Data can flow within the EU and across sectors** for the benefit of businesses, researchers and public administrations.
- Fair, practical and **clear rules apply** for access to and use of data.
- There are clear and trustworthy **data governance mechanisms.**
- **European rules and values**, in particular personal data protection, consumer protection legislation and competition law, are fully respected.
- Next generation **standards, tools and infrastructures** to store and process data is invested in.

European Commission

European Strategy for Data: 4 Key Instruments



Ensure **TRUST** in data transactions	Public sector data, private sector data and personal datavoluntarily made available by data holders
Regulate **MARKET POWER** based on data	Personal data and private sector data held by online platforms and originating from the users both businesses and individuals
Unleash the socio-economic potential of data as araw material for **INNOVATION** in particular **SMEs**	Public sector data of high value
Ensure **FAIRNESS** in the allocation of data value among the actors of the data economy	Private sector data, personal data and co-generated (IoT) data

Common European Data Spaces

Rich pool of data (varying degree of accessibility)

Free flow of data across sectors and countries

Full respect of GDPR

Horizontal framework for data governance and data access

- Technical tools for data pooling and sharing
- Standards & interoperability (technical, semantic)
- Sectoral Data Governance (contracts, licenses, access rights, usage rights)
- IT capacity, including cloud storage, processing and services

Data infrastructures and governance go hand in hand

The reply of the ESS

European Commission

Official Statistics is important for the society. And evolves with it …

“Knowledge is power; statistics is democracy.”

Olavi Niitamo,

former DG of Statistics Finland

“Official Statistics is about representing Life.

As Life changes, so must do Official Statistics.”

Mariana Kotzeva

Rome 4.7.2018

13° Conferenza Nazionale di Statistica ISTAT

European Commission

Strategic priorities for the next Decade

Keep Relevance, Trustworthiness and effectiveness in response to evolving statistical information needs

- Ensure continuous relevance of European statistics
- Chartering new frontiers for European statistics
- Quality of European Statistics
- Increase trust in the ESS, data security, protection and ethics

Leverage new data sources and digital technologies

- Unlock full potential of new data sources, administrative data and data integration
- New technologies for developing, producing and disseminating European statistics
- International statistical cooperation and partnerships

European Statistical System Innovation Agenda - goals

Adaption to a changing data landscape

Response to societal changes and satisfy users' needs

Efficiency and optimisation of resources

Privacy presentation and due consideration to ethical issues

Interoperability and standardisation

Data quality enhancement and relevance of statistics

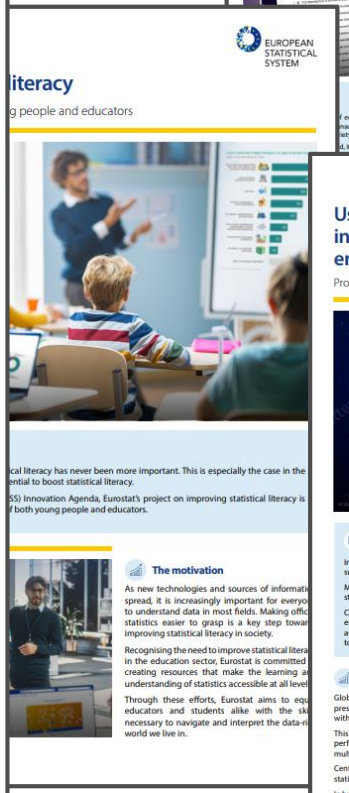
Collaboration and partnerships

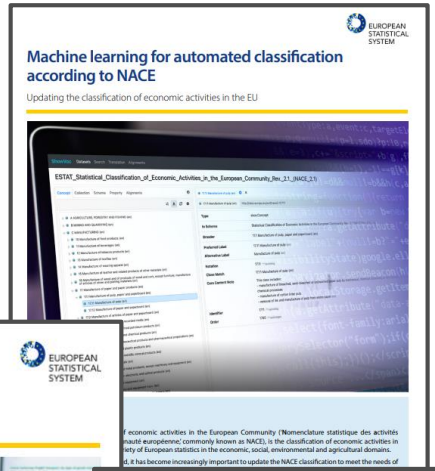
Citizens' engagement

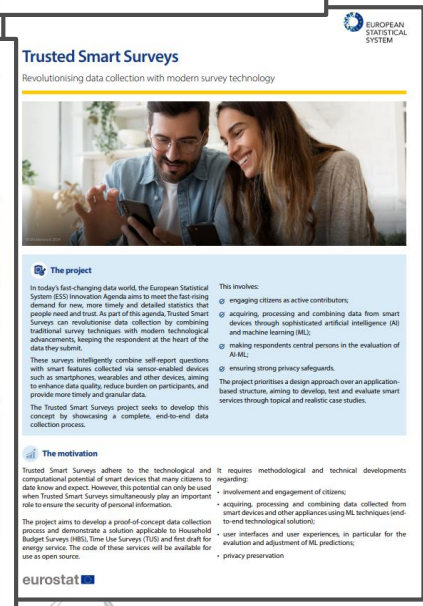
European Commission

Innovation agenda portfolio of projects

22 factsheets available on CROS for use and transl







European Commission

Regulation (EC) 223/2009 on European Statistics

European Commission

General objectives of the revision

Tap the full potential of digital data sources and new technologies

Enable the ESS to become more pro-active and produce statistics more efficiently

Foster innovation and the development of new statistics

Key changes introduced by the revision

Statistical response to crisis situations

Sustainable access to new data sources

Innovation and experimental statistics

New roles in data governance frameworks

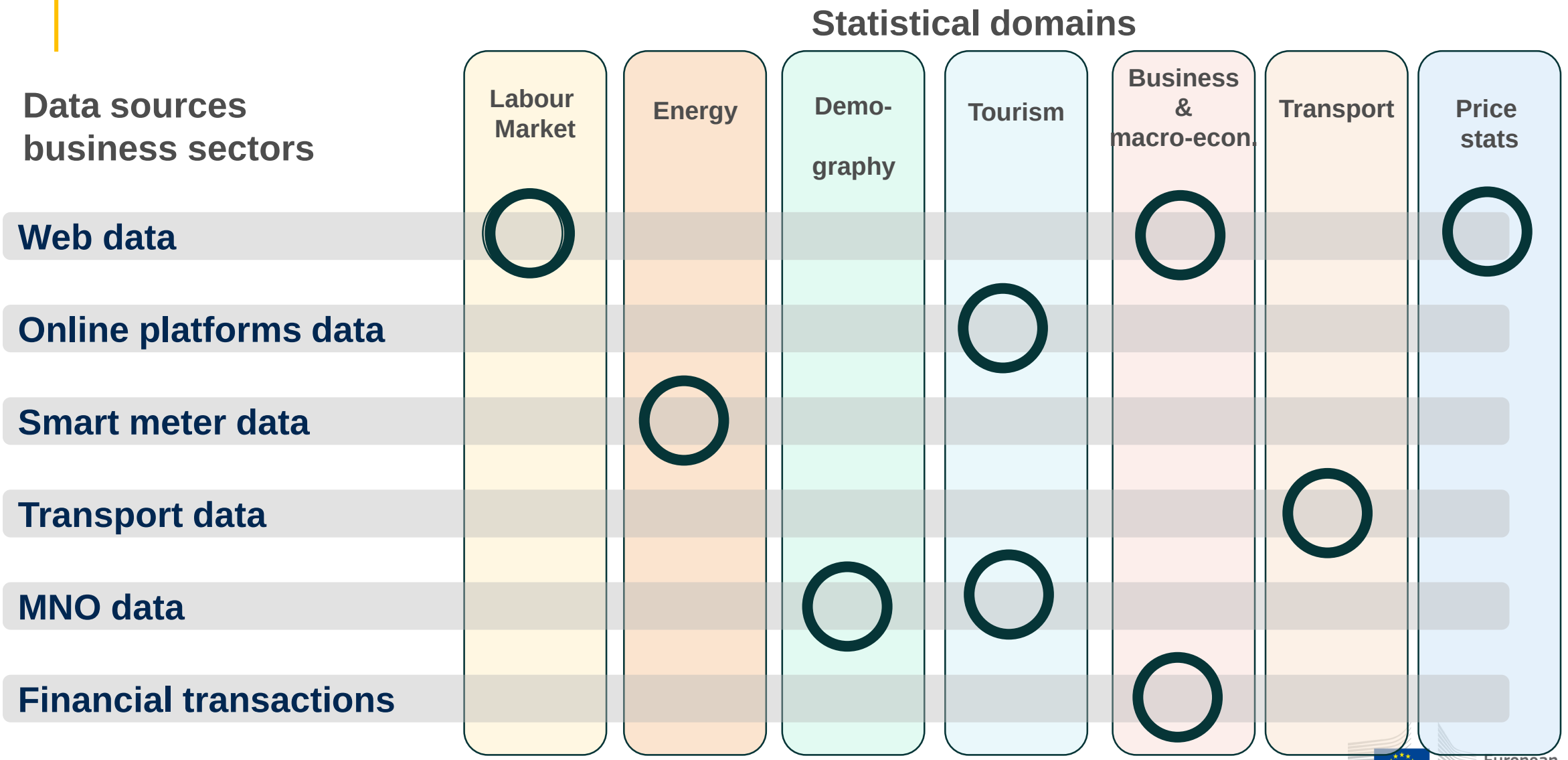
Data sharing

Statistical governance

Implementation of the revised Regulation

Stands and actions	Reuse administrative and publicly available data for developing and producing European statistics
	Use of privately held data for statistical purposes
	Development of European statistics
	New roles for NSIs in national data governance frameworks
	Statistical response to urgent policy needs in crisis situations
	Foster data sharing within the ESS and with the ESCB

Thematic Domains and Data Sources



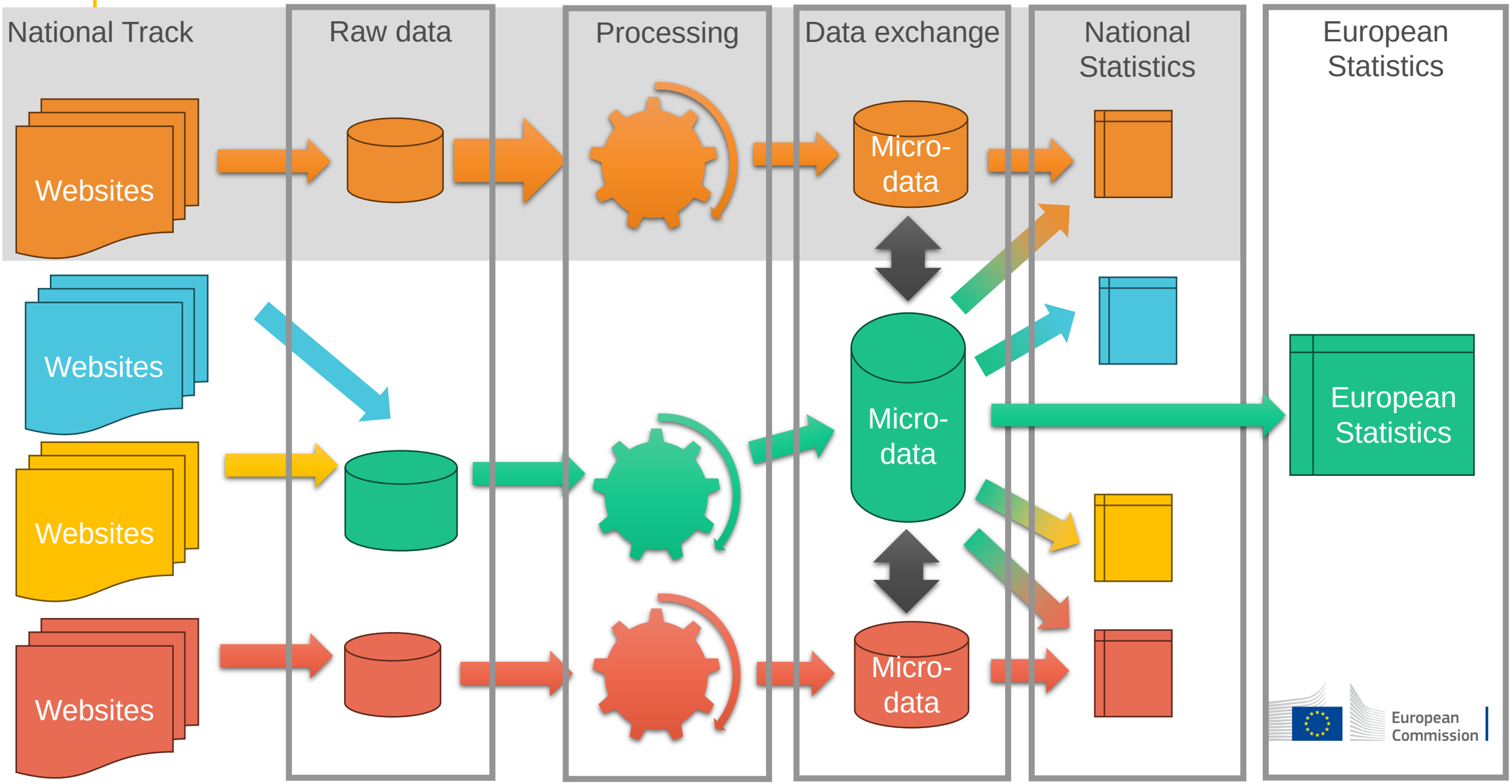
Key Aspects for implementation of 223

- Added value of new data sources from user perspective
- Impact on current business model for statistical production
  - Development, collection, processing, validation, dissemination
  - Technical modalities
  - Role of ESS members
  - Data for research
  - Costs and resource requirements
  - Need for developing methodology, infrastructure, tools
  - Legal compliance
- Sustainable partnership model (for ESS and for data holders!)
- Education and training
- Data protection
- Public communication and acceptance
- ESS preparedness

Web Intelligence

- Support to capability building at national level
- Creation and maintaining of a community of experts
- Further development of use cases
  - Quality improvements
  - Further elaboration and definition of statistical indicators
- Elaboration and implementation of a business model
  - Access to data sources
  - Data processing
  - Data use
- Application of revised European statistics regulation

Web Data production pipeline



Thank you

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