



**Workshop on the Modernisation of Statistical Production and Services  
Geneva, 26 November 2013**

# **The European Statistical System Vision Infrastructure Programme**

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# I. Background

- **August 2009:** Communication of the European Commission on the production method of EU statistics: a vision for the next decade;
- **2010:** Adoption of a joint strategy to implement the vision by the European Statistical System Committee;
- **2012:** Launch of the ESS.VIP programme to implement the joint strategy;
- **May 2013:** 4 (pilot) statistical domains to be modernised are approved (business registers, international trade, ICT, validation);
- **September 2013:** Scheveningen review of the foundations of the strategy and of the way to pilot it.

## II. Business objectives and constraints

### Business objectives:

- Improve the overall efficiency of statistical production in Europe;
- Improve the quality of statistical production;
- Simplify/reduce requirements put on respondents;
- Improve responsiveness to user needs.

## II. Business objectives and constraints

### Constraints

- Diversity of national environments;
- Subsidiarity principle;
- Parsimonious use of confidential data and preservation of statistical confidentiality;
- Limited resources;
- Rare skills.

## III. High level principles

### Business level

- Common normative frameworks (CoP, legal policy, framework to share microdata, funding models ...);
- Common statistical standards (ESA, BR, Envir. Accounts, Classifications...);
- Shared research investments (Horizon 2020 for Big Data and Beyond GDP indicators).

## III. High level principles

### Information level

- Common standards (GSBPM, GSIM, SDMX, DDI, Validation rules syntax);
- Shared metadata (rules, DSDs, ESMS, ESQRS: structural and reference metadata for data exchange)/common repositories;
- Shared data wherever this adds value (trade data, information on enterprise groups).

## III. High level principles

### Solution and technology level

- Common framework to facilitate interoperability (CSPA);
- Common design principles to develop corporate infrastructure & tools (on-going work in ITDG) software exchange policy;
- Generic, sustainable and reusable components (SDMX-RI, Edit, Demetra, Argus ...);
- Adherence to open standards;
- Security incorporated in the design of all solutions.

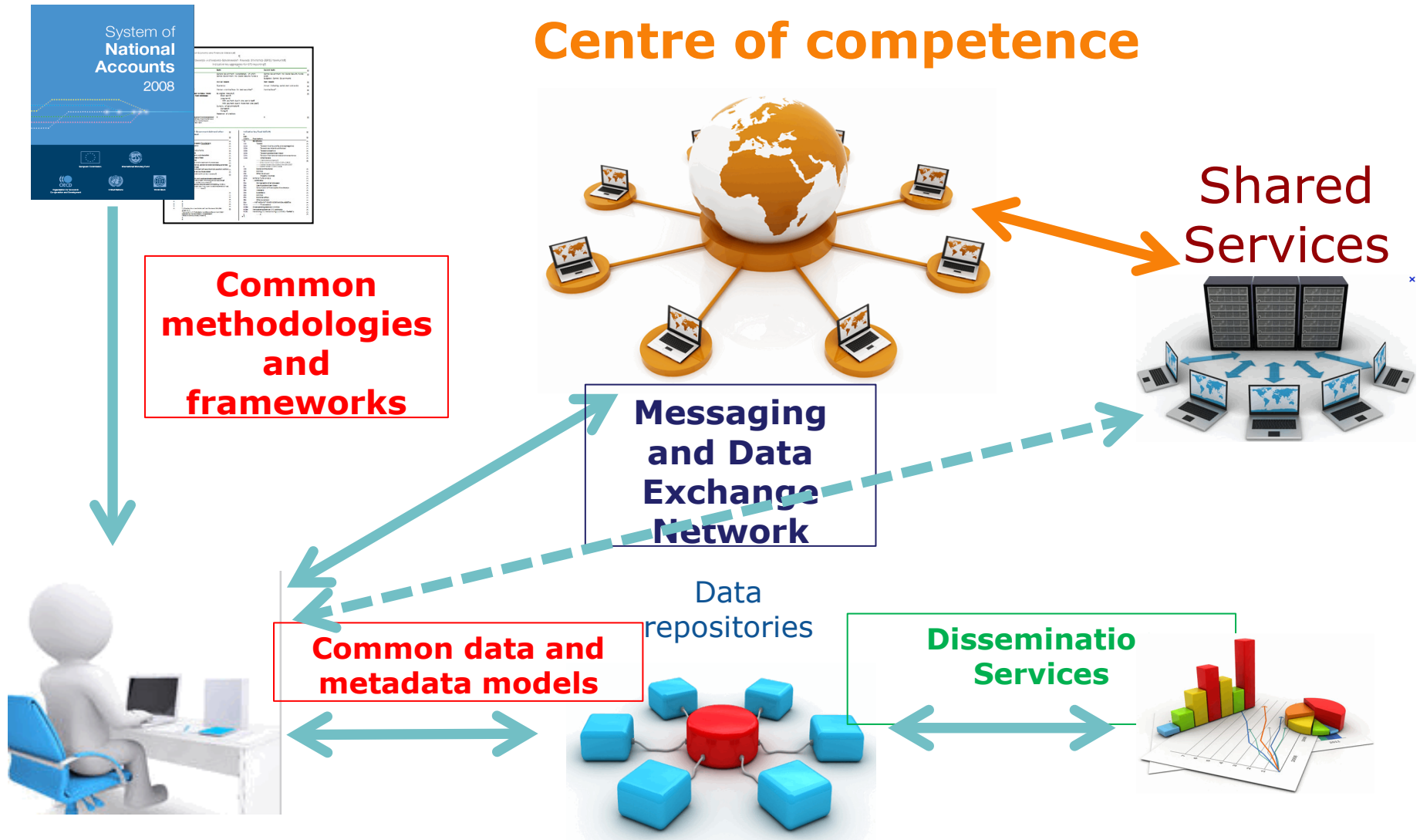
## III. High level principles

### Operational level

- Shared resources for new developments/PoC (ESSnets);
- Common platform to share services (pilot: CORE);
- Functional specialisation inside the ESS (pilot centres of competence on SA, enterprise DW).



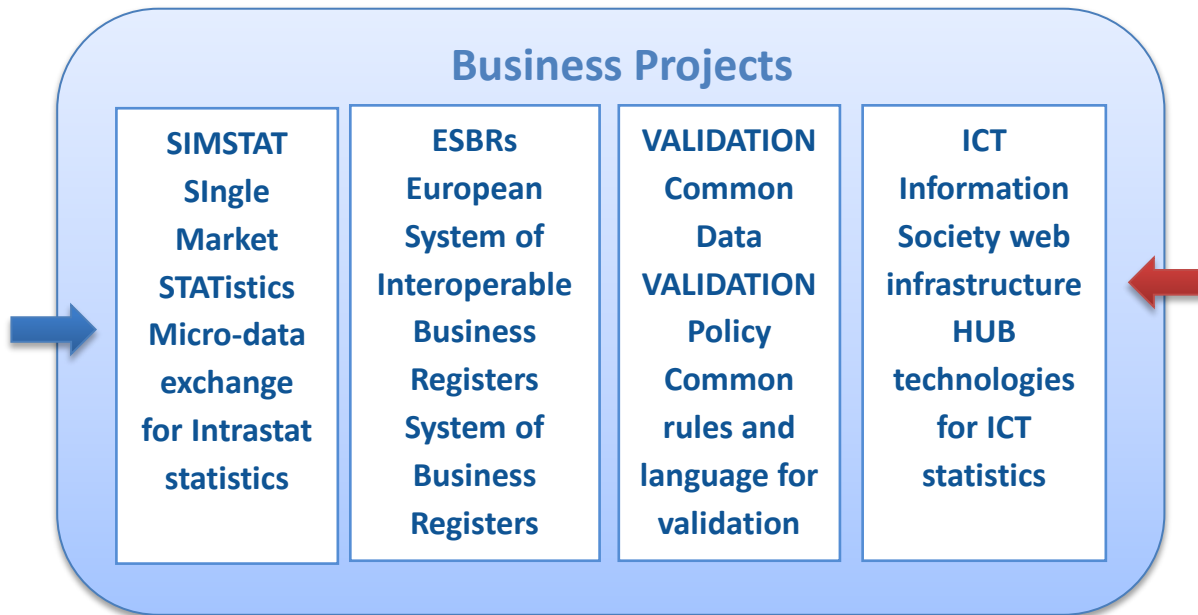
## IV. How it could work



# Modernisation of the ESS

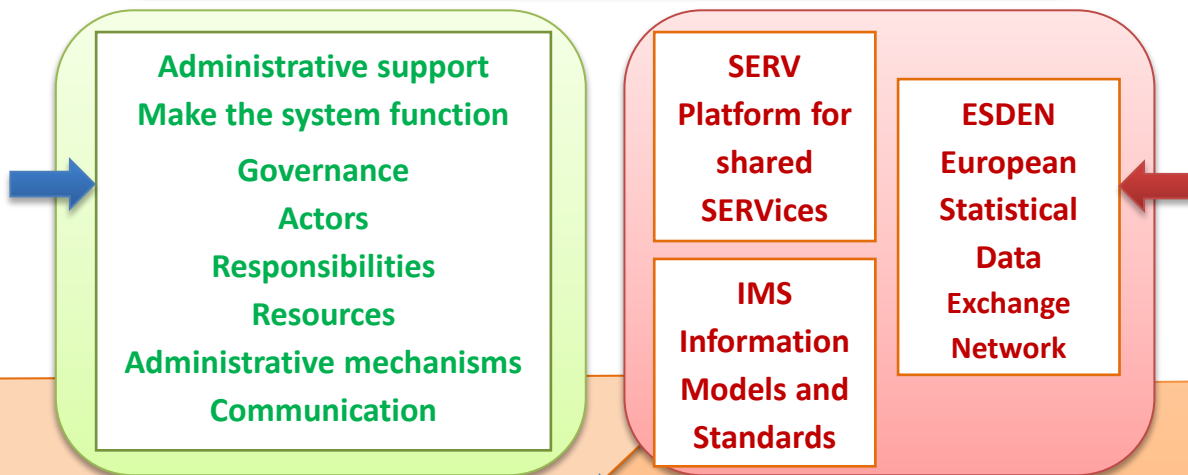
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## V. Next steps

- Review of the strategy by an ESS Task Force on Vision 2.0 (Oct 2013 – Apr 2014);
- Evaluation the outcomes and lessons learned from the ESS.VIP Programme (→ Apr 2014);
- Pilot projects on:
  - Trade statistics (SIMSTAT);
  - Business registers (ESBRs);
  - ICT statistics;
  - Optimised validation process.

## V. Next steps

- Common elements of infrastructure for the 4 pilots:
  - Network (end of 2014 for Simstat);
  - A few shared services (validation, format; transformation, ...);
  - Guidance for the use of standards for exchange of data, metadata and service communication.
- Alignment of the ESS.VIP programme with the forthcoming conclusions of the Task Force on Vision 2.0 (May 2014 ->).

## VI. Links with other international initiatives

- Knowledge sharing on Big Data;
- Consistency with international standards (GSBPM, GSIM, DDI, SDMX, ...);
- Use of the Common Statistical Production Architecture;
- Reuse of architecture building blocks from MS;
- Share of SDMX artefacts in common repositories;
- Common governance for SDMX artefacts.

# Thank you for your attention!

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