Implementation of the ESS Joint Strategy: "the development and promotion of the plug and play concept as an architectural model"

Presentation: Christine Wirtz

Authors: JM Museux, N Hilbert, G Pongas
Contact: jean-marc.museux@ec.europa.eu

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Outline

- Strategic analysis of the ESSnet CORE as corner stone of ESS joint strategy implementation
- Preliminary list of issues towards adoption of the CORE model
- Cooperation and Roadmap

ESS joint strategy implementation

- ESS is a system of NSOs producing comparable and high quality statistics on Europe.
  Statistical law provides the ESS with a governance body: the ESS Committee

- Communication of the European Commission on the Vision for the production of EU Statistics (Com 404/2009)

- Joint strategy adopted by the ESS Committee in May 2010

ESS joint strategy implementation

- Industrialisation and interoperability are the corner stones for implementation

- Proposed prioritised strategic developments:

  - The ESS is provided with a common reference architecture for building statistical instruments and production processes.

  - The collaboration among different stakeholders along the same production processes is organised in an efficient way.

ESSnet CORE provides a proof of concept

- Production architecture for a statistical production system composed of several processes by assembling a set of independent services
- Platform independent distributed architecture model ("plug and play" architecture)
- Flexible design of statistical processes
- Reuse of existing software components
- Services to be developed independently or cooperatively and shared
- Common information model to support communication between tasks and their automation
- Process registry which stores and makes available reference production processes

Towards the development and adoption of CORE:

Preliminary list of open issues

CORE conceptual architecture

- Bridging CORE model with GSIM in development (process and information components)

CORE technical architecture

- the evolution of the CORE data model and its link to technical standards (SDMX, DDI, Banca d'Italia),
- the definition of the metadatabase having the capability to describe the inputs, outputs, constraints and calling sequences
- the choice and integration of a process monitor

through the development of prototypes (under various conditions)

CORE organisational architecture

- Development and strengthening of business case for functional approach to process and for adoption of CORE model
- Use and develop the software inventory (SAB) in the light of CORE development (identifying CORE "pluggable" tools)
- Develop a business model for shared development in the ESS

International collaboration

- Open to wider collaboration
- Importance of defining underlying standards
- Defining and promoting IT principles for development of CORE like services
- Alignment with HLG-BAS strategy

Next steps

- ESS reflection group to set up a roadmap (June 2012)
- Presentation/discussion at ESS groups (SISAI, ITDG)
- Discussion at HLG-BAS seminar (November 2012)
- Implementation actions could start in 2013