Common Statistical Production Architecture (CSPA) and ESS Vision 2020 SERV

ESTP training course
Item 7(1)
Luxembourg, 21-22 Nov 2017
CSPA and HLG

CSPA project:

- sponsored by the High Level Group for Modernisation of Official Statistics (HLG-MOS)
- started in 2013
- coordinated by UNECE
- objective is to create a Common Statistical Production Architecture
- Now in version 1.5
Current State of Affairs

Different tools and process for the same requirements. 
COSTLY
Target Architecture

- Sharing Services where economical
- “Plug and Play” architecture
Other UNECE standards

**CSPA** also relies on

- **GSIM** ([Generic Statistical Information Model](https://example.com/gsim))
- **GSBPM** ([Generic Statistical Business Process Model](https://example.com/gsbpm))

They will all undergo a cycle of revision

All UNECE promoted standards can be found on their [Virtual Helpesk](https://example.com/helpesk)
ESS Vision 2020 SERV

- **Goal:** "to set up conditions for sharing statistical services building on UNECE's CSPA and participating in their selection, implementation and integration in statistical production processes at national, ESS and Commission level."
- Endorsed by ESSC in February 2015
- Supporting the following key areas of VISION 2020:
  - Key Area 1 "Identifying user needs and cooperation with stakeholders"
  - Key Area 4 "Efficient and robust statistical process"
- Community-based approach for European collaboration

SERV extends CSPA and supports its implementation in the ESS by applying the CSPA approach on ESS developments and delivering statistical services for the ESS.
Objectives of ESS Vision 2020 SERV

Enable national and ESS projects to industrialise processes and integrate reusable components resulting in the rationalisation of information systems.

• Governance
  • Provide methods and workflows for selection and assessment
  • Standardised description of business needs based on UNECE’s CSPA

• Tools
  • Provide an ESS and CSPA Service Catalogue.
  • Provide an ESS/Eurostat SOA environment for central hosting.

• Reusable Services
  • Provide Example statistical services (Phase 2).
  • Provide selected reusable statistical services as software components (Phase 3).
Services

Validation services are the amongst first ones to be delivered and used in production...