2017 UNECE CSPA Workshop on CSPA

Wiesbaden- 3-5 June 2017

ESS Statistical Production Reference Architecture – state of affairs

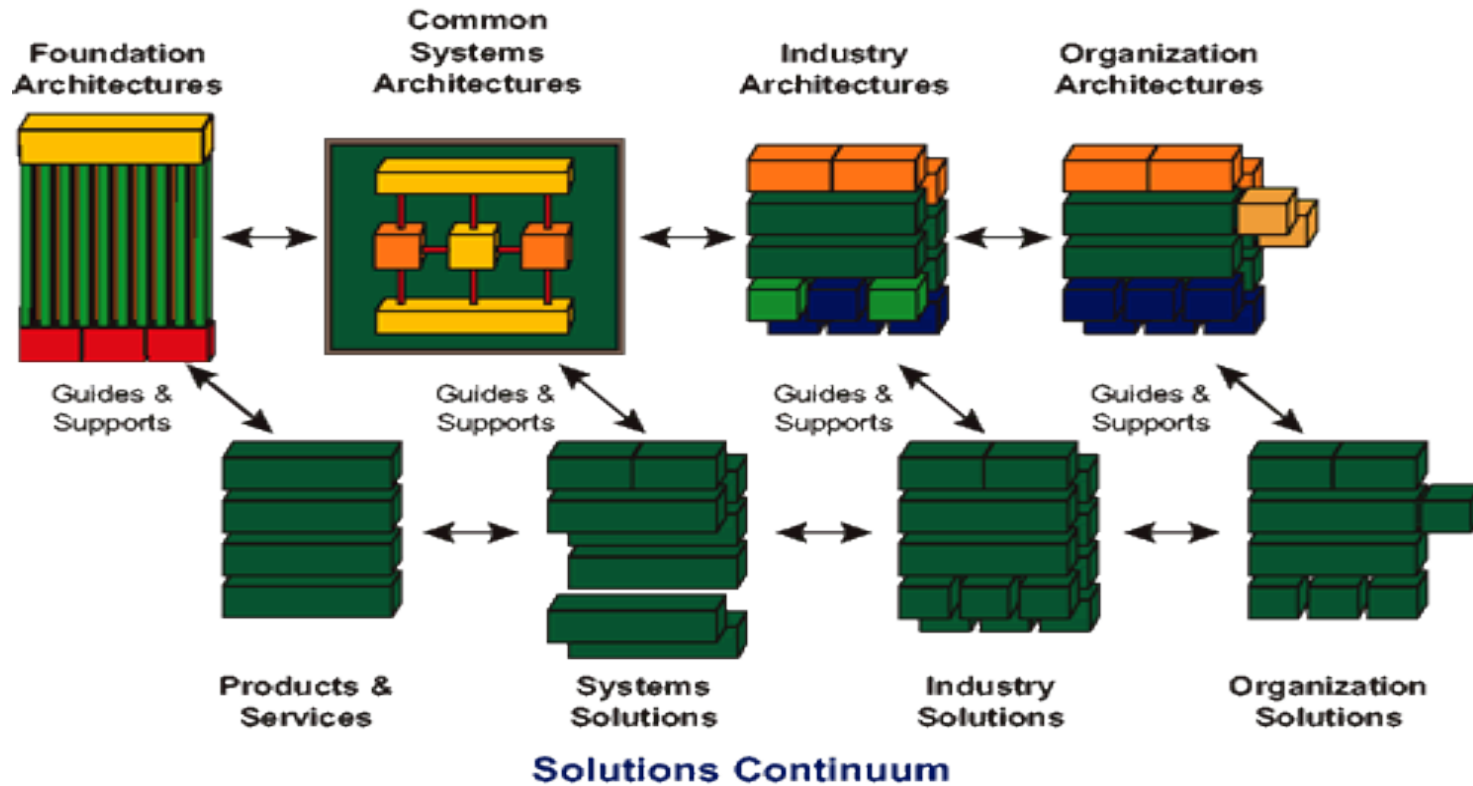**Jean-Marc Museux, Eurostat**
Jean-Marc.Museux@ec.europa.eu

Objectives

- To update on current evolution of the ESS SPRA

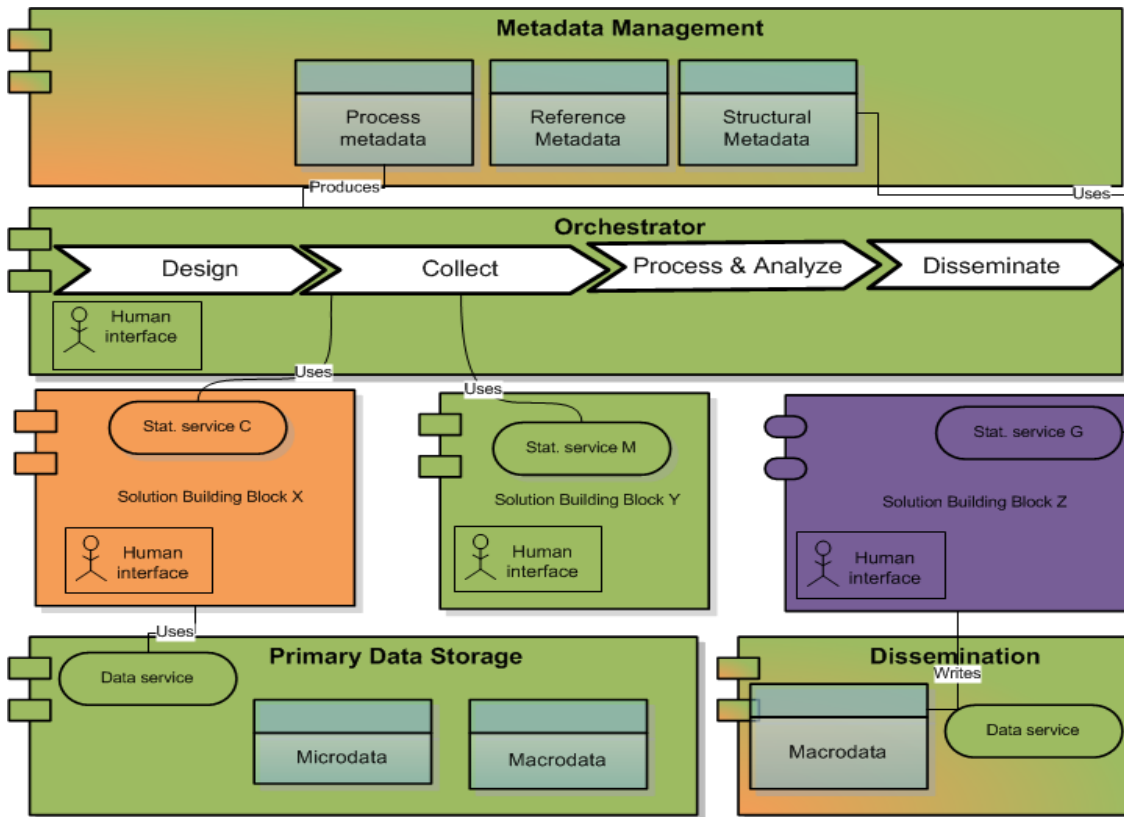- To explore future use cases (including CPSA)

Outline

- SPRA reminder

- European Interoperability Reference Architecture (EIRA)

- Alignment of SPRA with EIRA

- Vision for the use of SPRA in the ESS (and beyond)

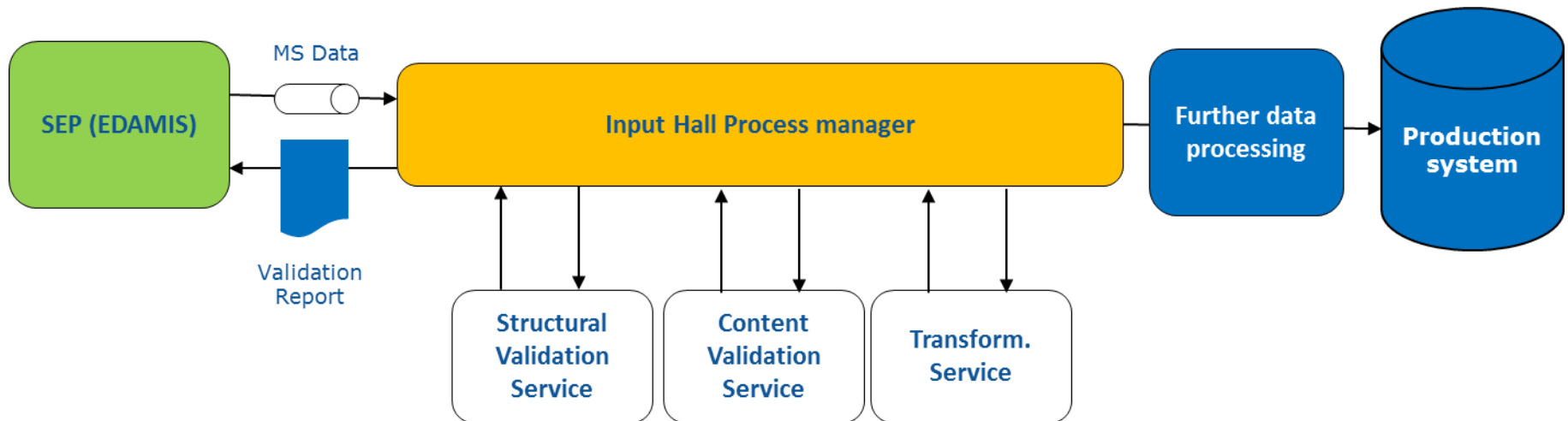# Scope : Industry Reference Architecture

Statistical Production Reference Architecture

- SPRA provides an industry reference architecture to guide ESS VIP projects in their work to develop modular and interoperable information systems to produce official statistics.

- It builds on CSPA and SOA. It provides a reference model establishing key relationships among key building blocks which are meant to be reusable component.
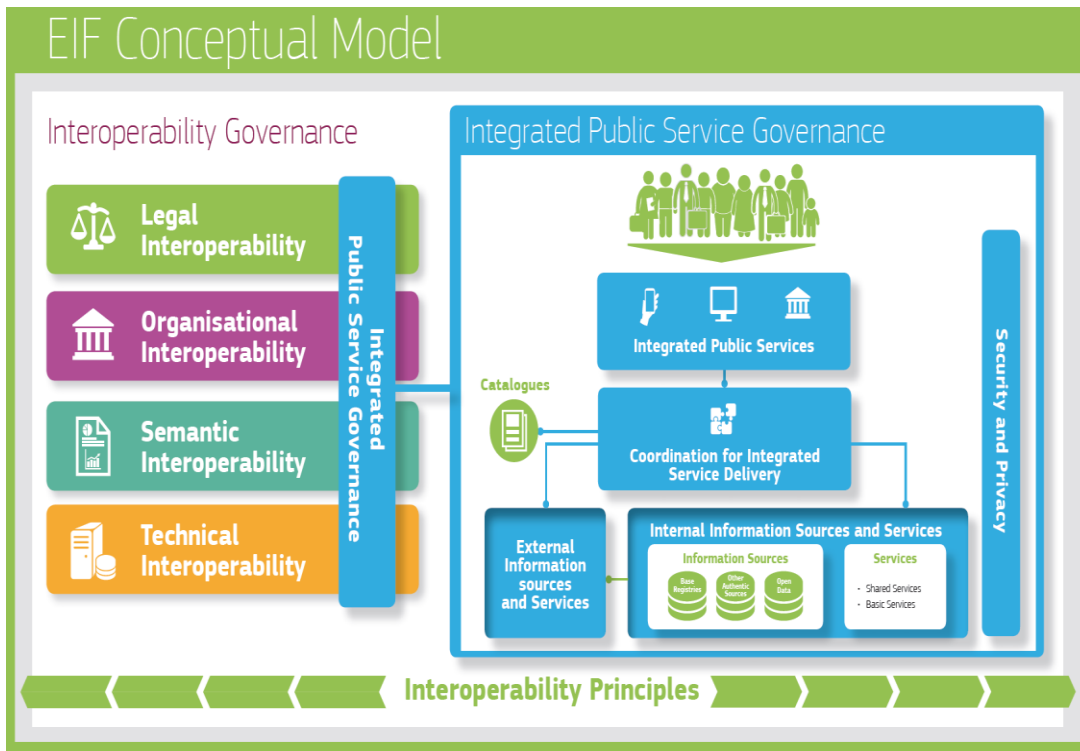
SPRA Implementation

- SPRA has been released in August 2015 as a part of the ESS EA RF and adopted by the ESS in Feb 2016. It is used as a reference by ESS VIP projects in particular the SERV project

- PoC of SPRA has been realized with the NA production system that provides a generic solution for automatic validation and loading data inflows for all subdomains of NA
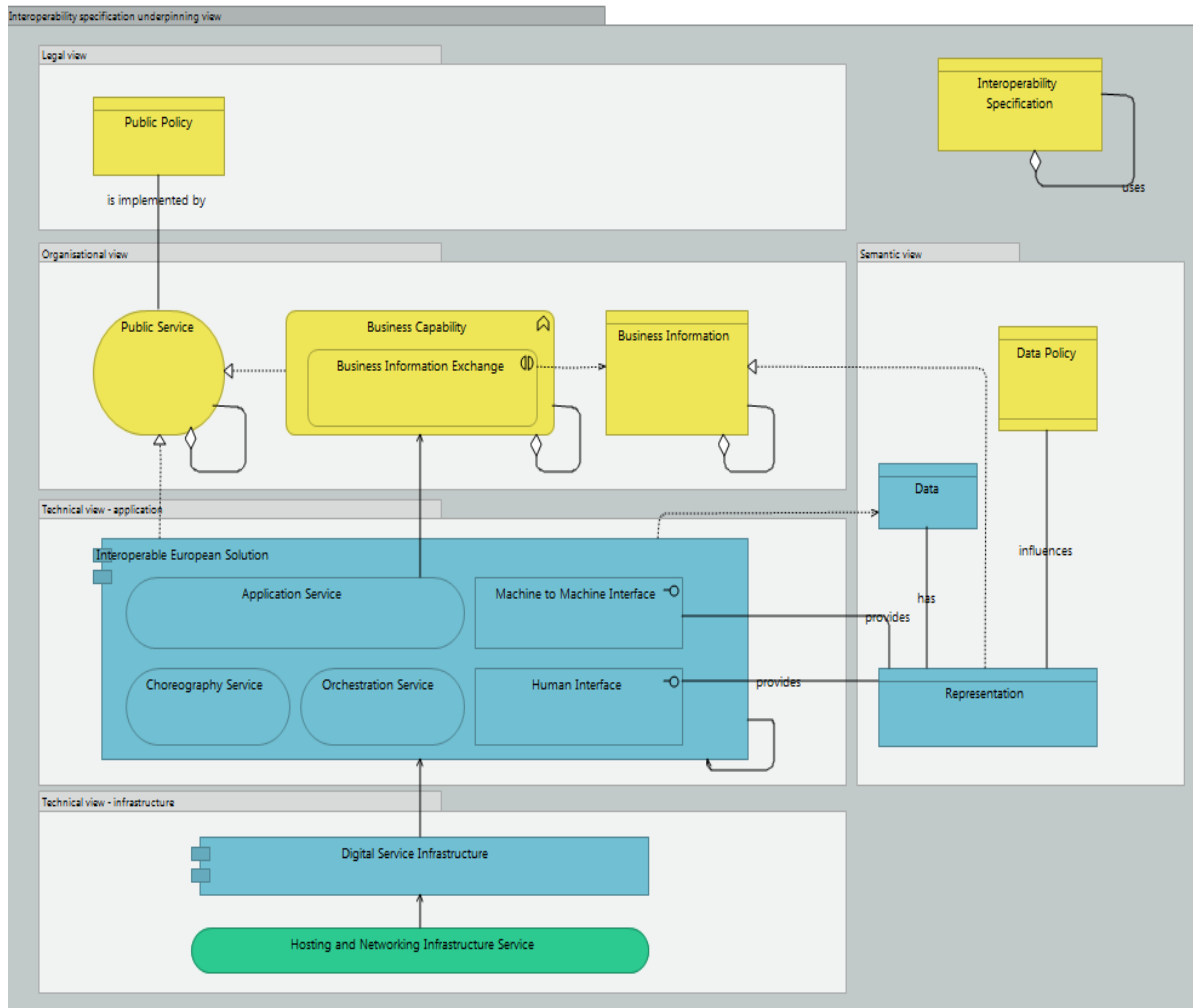
European Interoperability Framework

EIF Conceptual Model

At EC level, interoperability of public service has been for a long time an area of focus (ISA programme).

The EC has recently released (March 2017) a new version of EIF, the European Interoperability Framework that should give specific guidance on how to set up interoperable digital public services.
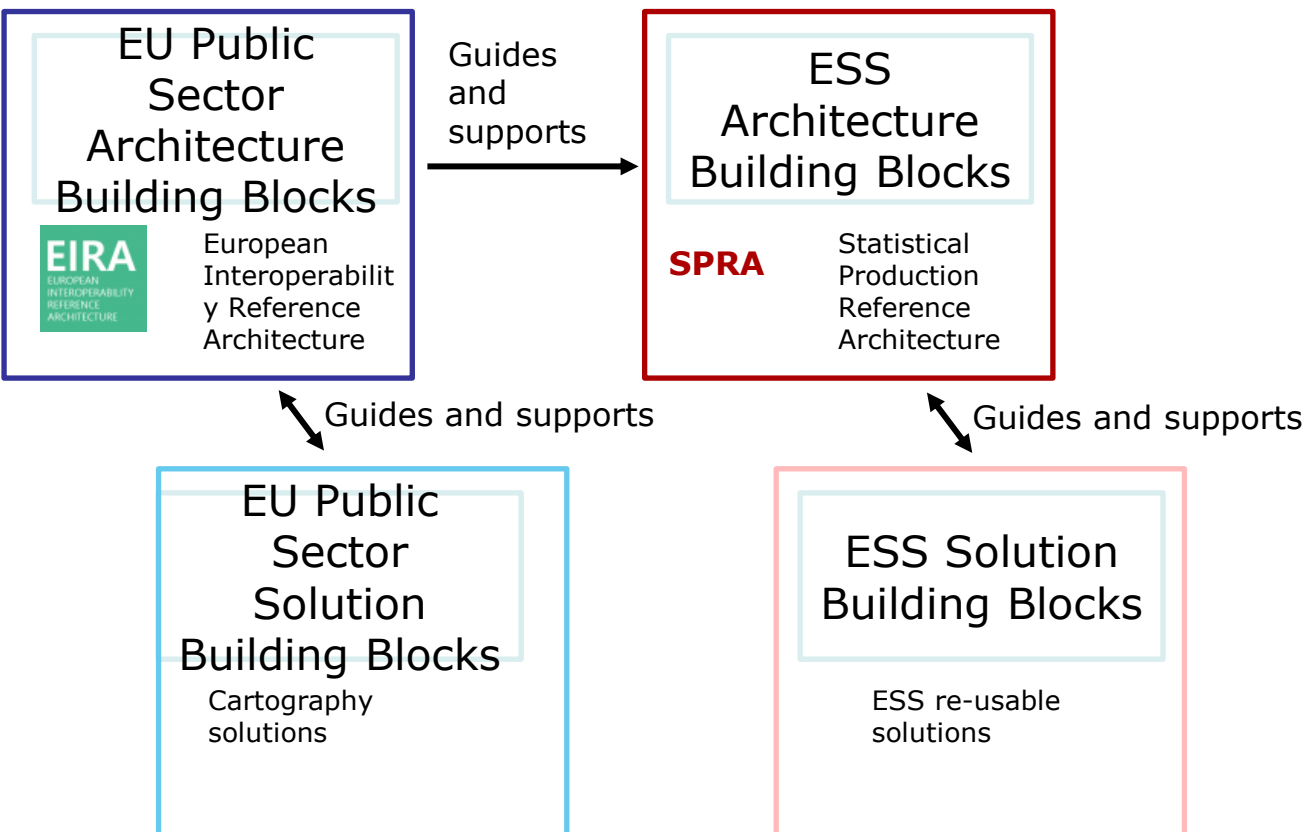
European Interoperability Reference Architecture

- Guide public administrations in their work to provide interoperable European public services to other public administrations, businesses and citizens.

- The EIRA is a four-view reference architecture for delivering interoperable digital public services across borders and sectors.

SPRA and EIRA

EU Public Sector Architecture Building Blocks

European Interoperability Reference Architecture

Guides and supports →

ESS Architecture Building Blocks

SPRA Statistical Production Reference Architecture

↕ Guides and supports

↕ Guides and supports

EU Public Sector Solution Building Blocks

Cartography solutions

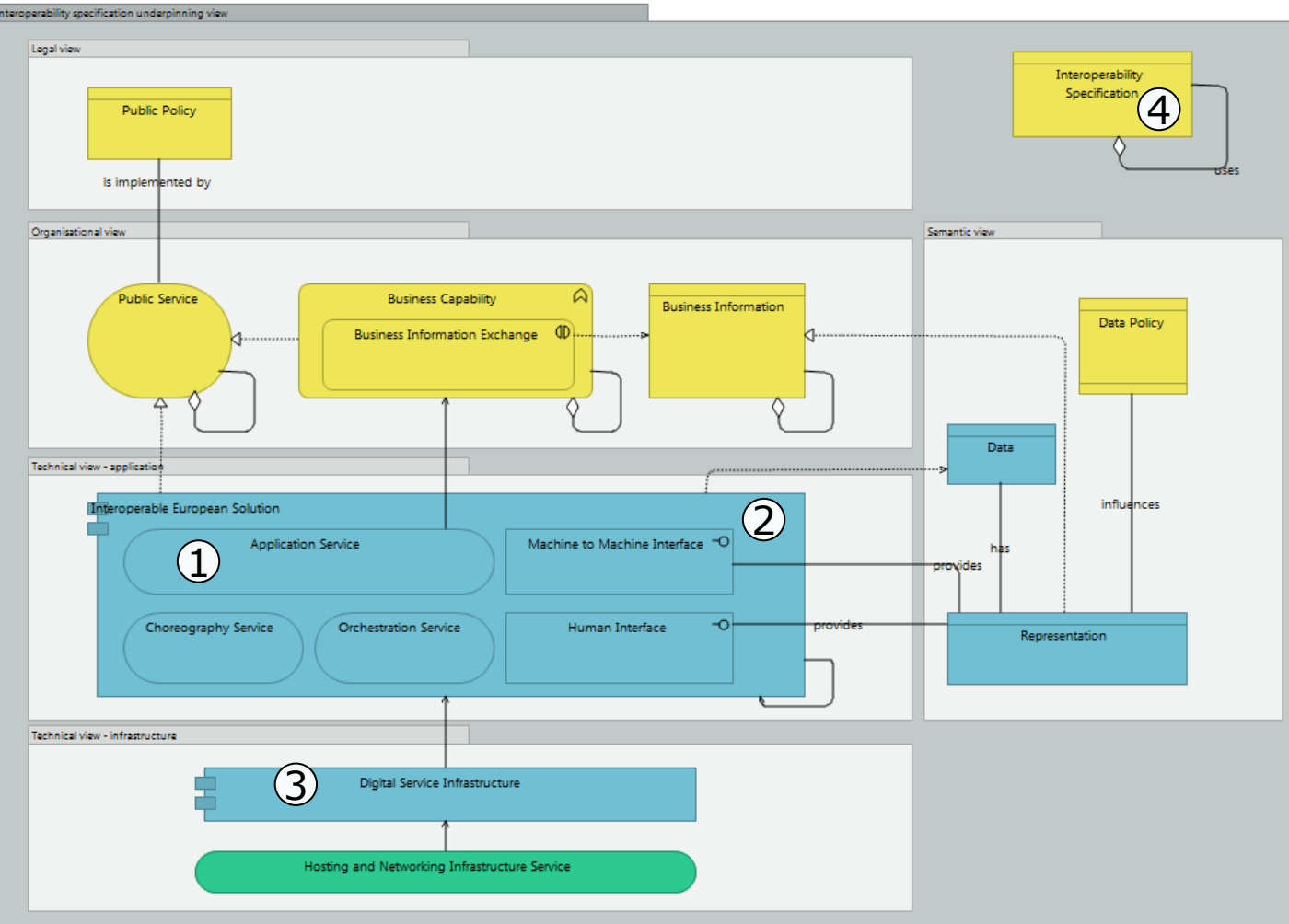ESS Solution Building Blocks

ESS re-usable solutions

- EIRA defines a generic architecture building blocks for public sector institutions
- SPRA defines a more specific statistical reference architecture guided by EIRA and other framework TOGAF, GSBPM, GSIM, CSPA
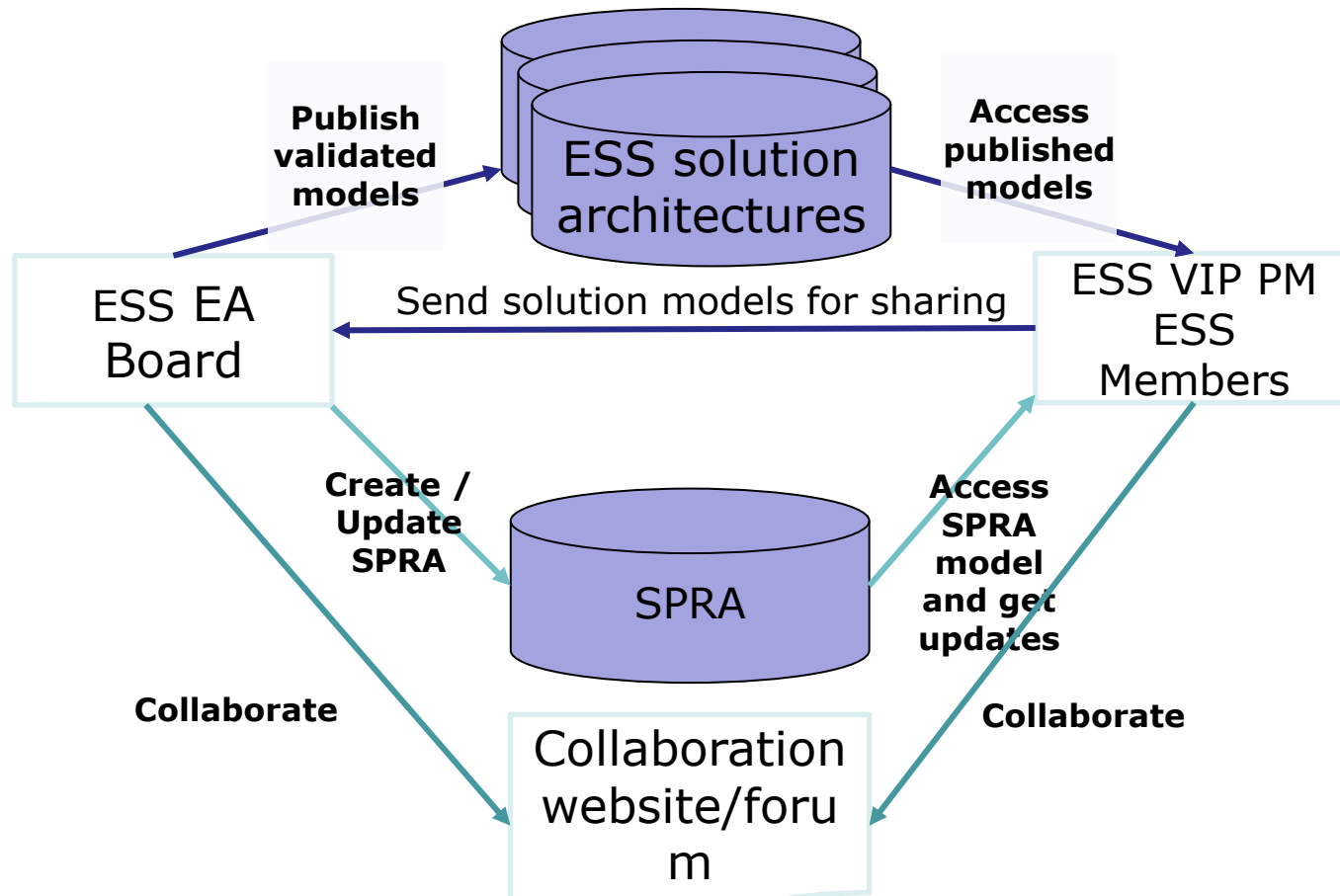
ESS SPRA defines four aspects of EIRA for statistics: services, application building blocks, infrastructure building blocks and interoperability specification

- Conceptual alignment

- SPRA will stand on firmer ground and wiil be better structured (Archimate)

- SPRA can benefit from EIRA infrastructure : Githup and Cartography tool for documenting own solutions and domain specific architecture

A vision for the use SPRA and the documentation of ESS solution architectures

Publish validated models

ESS solution architectures

Access published models

ESS EA Board

Send solution models for sharing

ESS VIP PM ESS Members

Create / Update SPRA

SPRA

Access SPRA model and get updates

Collaborate

Collaborate

Collaboration website/forum

Assumption: Archi 4.0.2 or later is used with Model Repository Collaboration Plugin (still in beta)

Thank you for your attention