

# Governmental and Statistical Enterprise Architectures

## 1 - Enterprise Architecture in Statistical Offices

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## The Driver for EA's: Digitalization

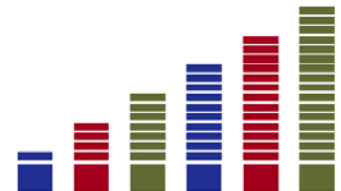
- Official Statistics
- Rest of the Public Sector

## The two EA's in a NSI

- Mapping of a national EA and UNECE CSPA frameworks
- Mapping of a national and ESS target architectures

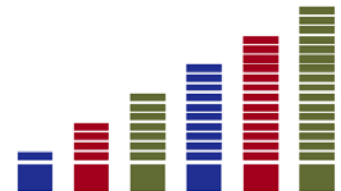
## Conclusions

- Strategic positioning of a NSI
- What to do next on the field of EA and standards



# Digitalization: Official Statistics

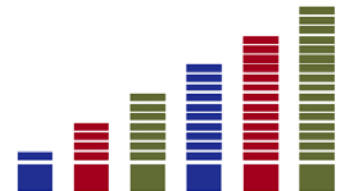
- UNECE High-Level Group on the Modernization of Official Statistics (HLG-MOS)
  - Promoting a set of important standards to cope with the challenges of the new, digital world:
    - Common statistical production architecture (CSPA), Generic business process model (GSBPM), Generic Statistical Information Model (GSIM) -> Global EA
- ESS: Vision 2020, ESS Enterprise Architecture Reference Framework



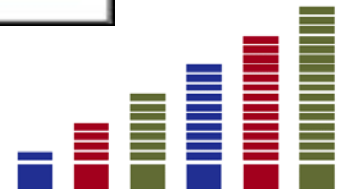
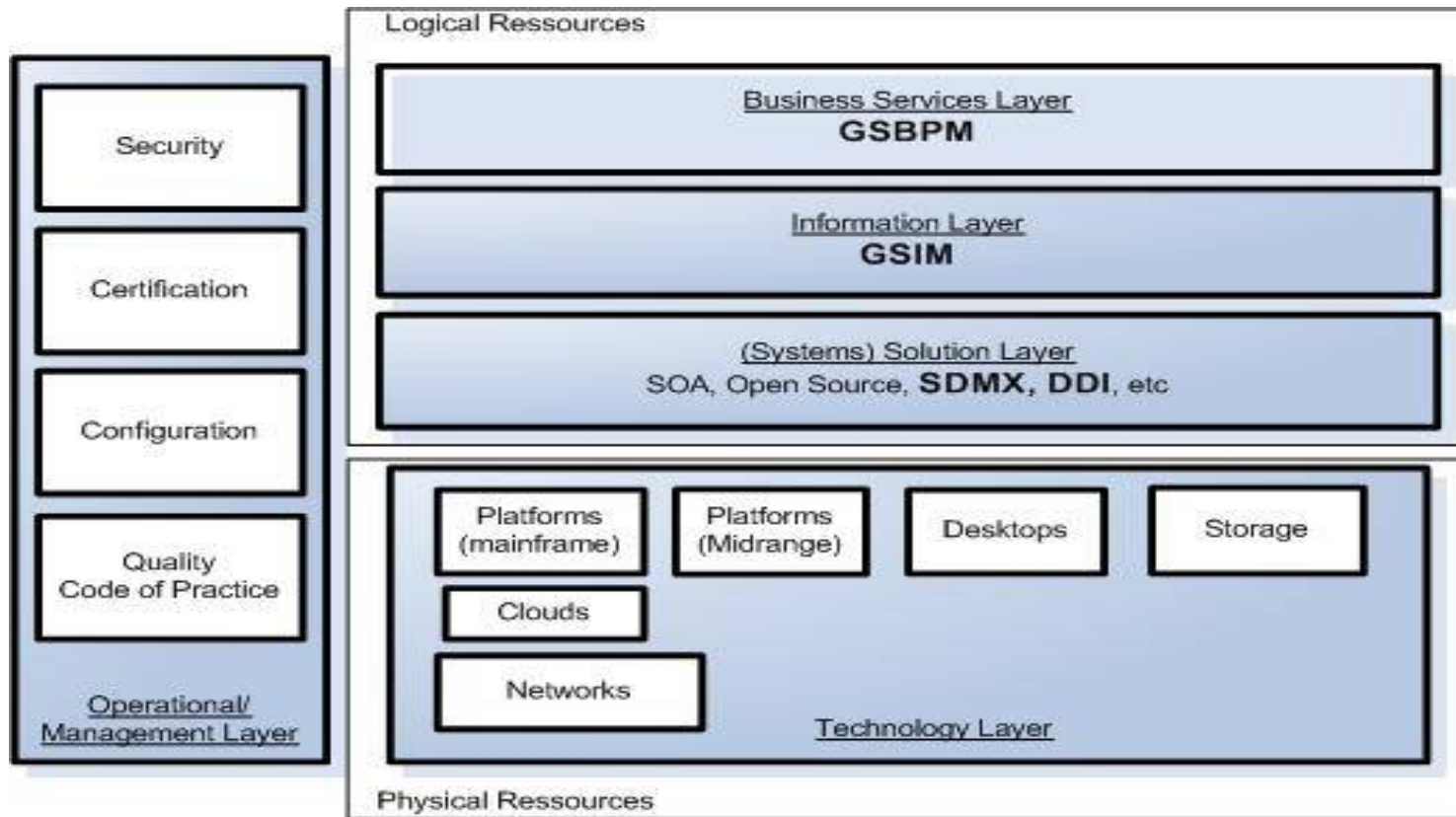
# Digitalization- Public Sector

## Case Finland:

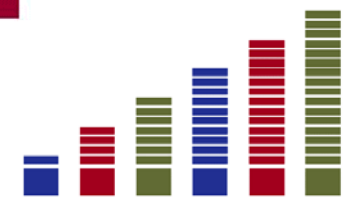
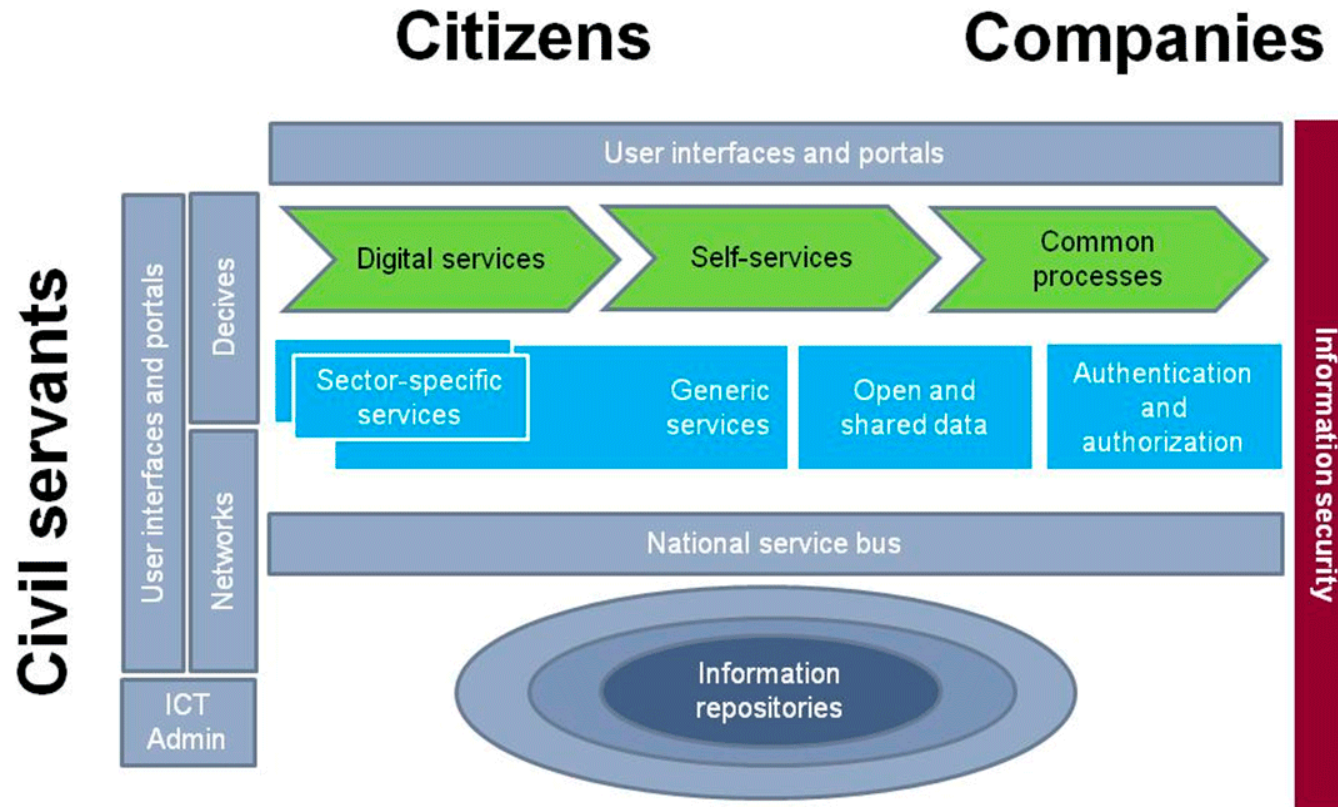
- **New policy-field: Information Policy**
  - Unit under the ministry of finances, "Public Sector ICT"
  - Legal acts like act on the governance of the public sector ict
  - A set of national standards like public sector EA framework and public stor services architecture
  - A set of public sector ICT-service infrastructures like "national service bus" which is the gateway enabling, among other things, data sharing between organisations
- **New policy initiatives enabling data sharing**
  - Centralized information systems for various policy fields, under different ministries



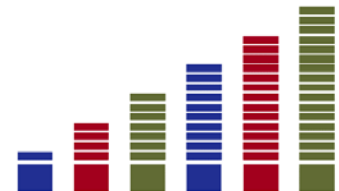
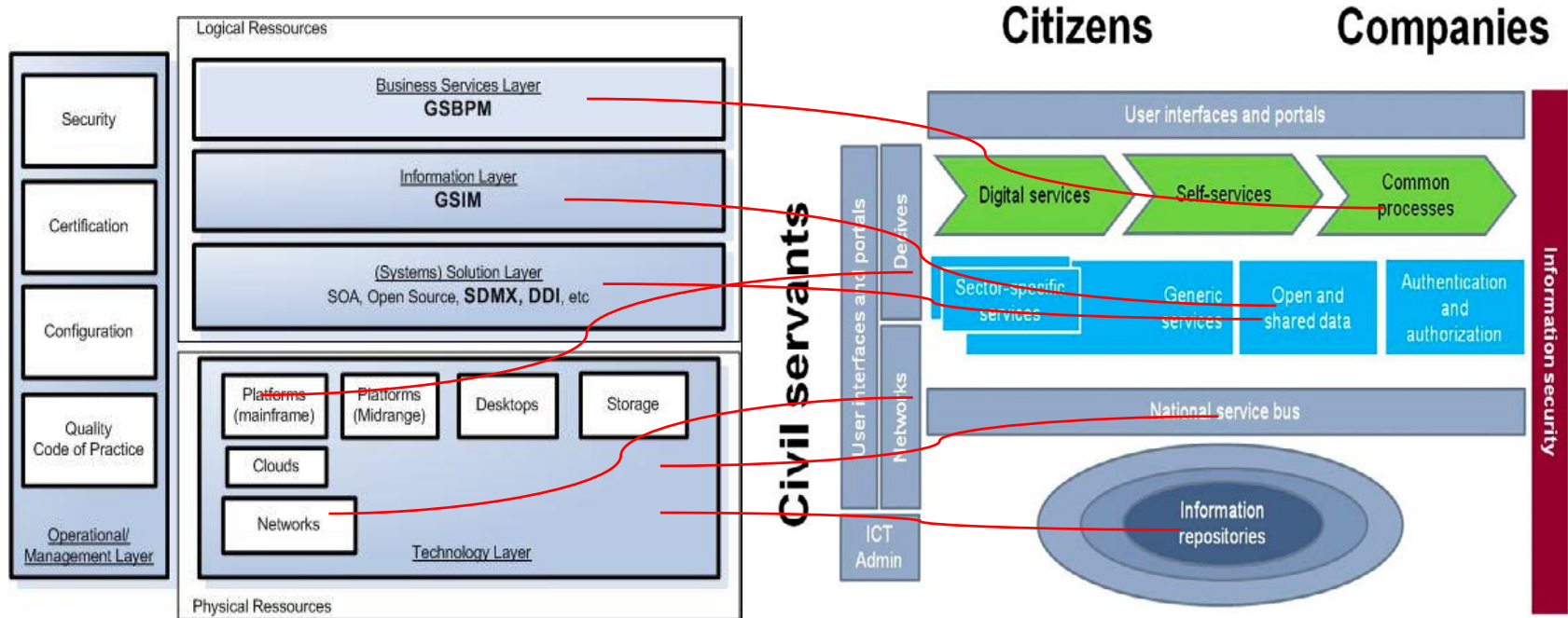
# The ESS target architecture



# The Finnish target architecture

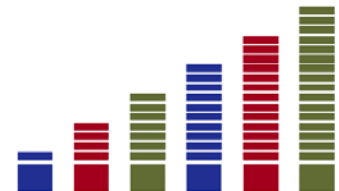
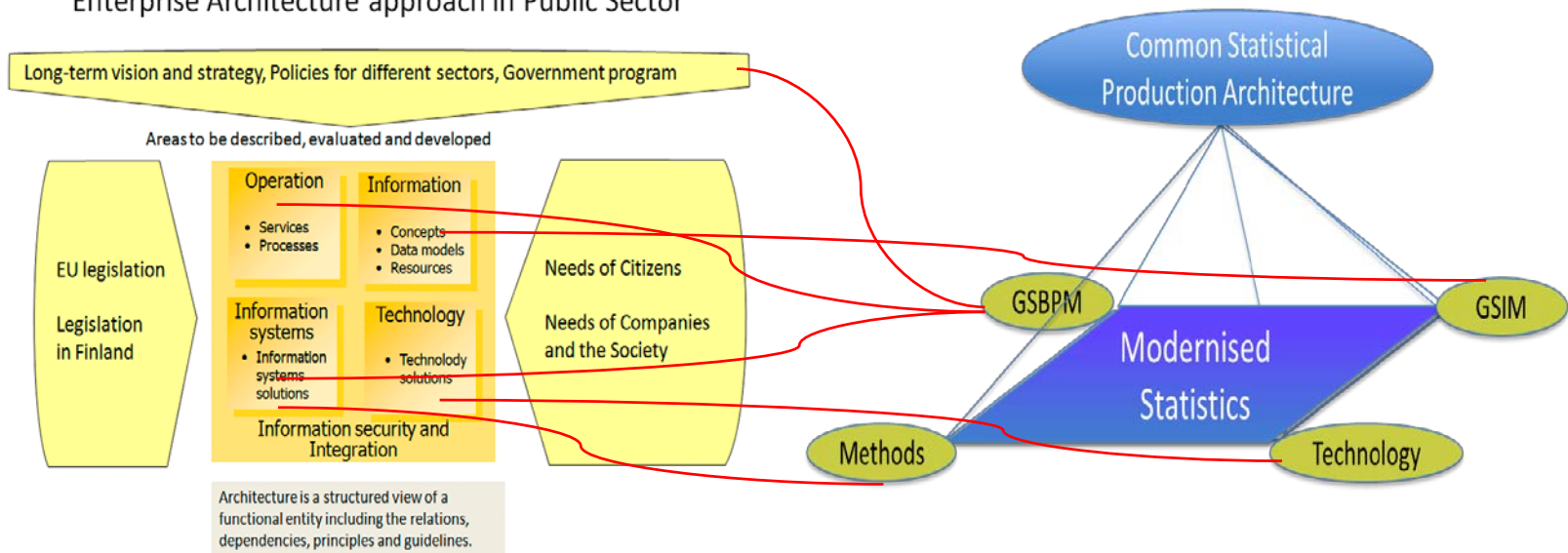


# ESS and National (FI) EA target architectures



# National (FI) EA and UNECE CSPA frameworks

## Enterprise Architecture approach in Public Sector





# Conclusions

- The strategic position of the NSI is changing
  - It is no longer a NSI-monopoly to merge and analyze data from other administrations
  - Traditional statistical practices are being challenged
    - "data in – statistics out" being replaced by "data in – data out" in other parts of the public administration
- How could we participate to this digital data-sharing revolution?
  - We may have more competencies than others in certain areas
    - Information modelling (GSIM et.c.) ?
    - Merging and quality assurance of register data?
  - We should provide our expertise to the rest of the public sector

