



ISA² fostering semantic interoperability between public administrations in Europe

**Natalia
Aristimuño
Pérez**

Semantic Interoperability



Interoperability Governance



Legal Interoperability



Organisational Interoperability



Semantic Interoperability

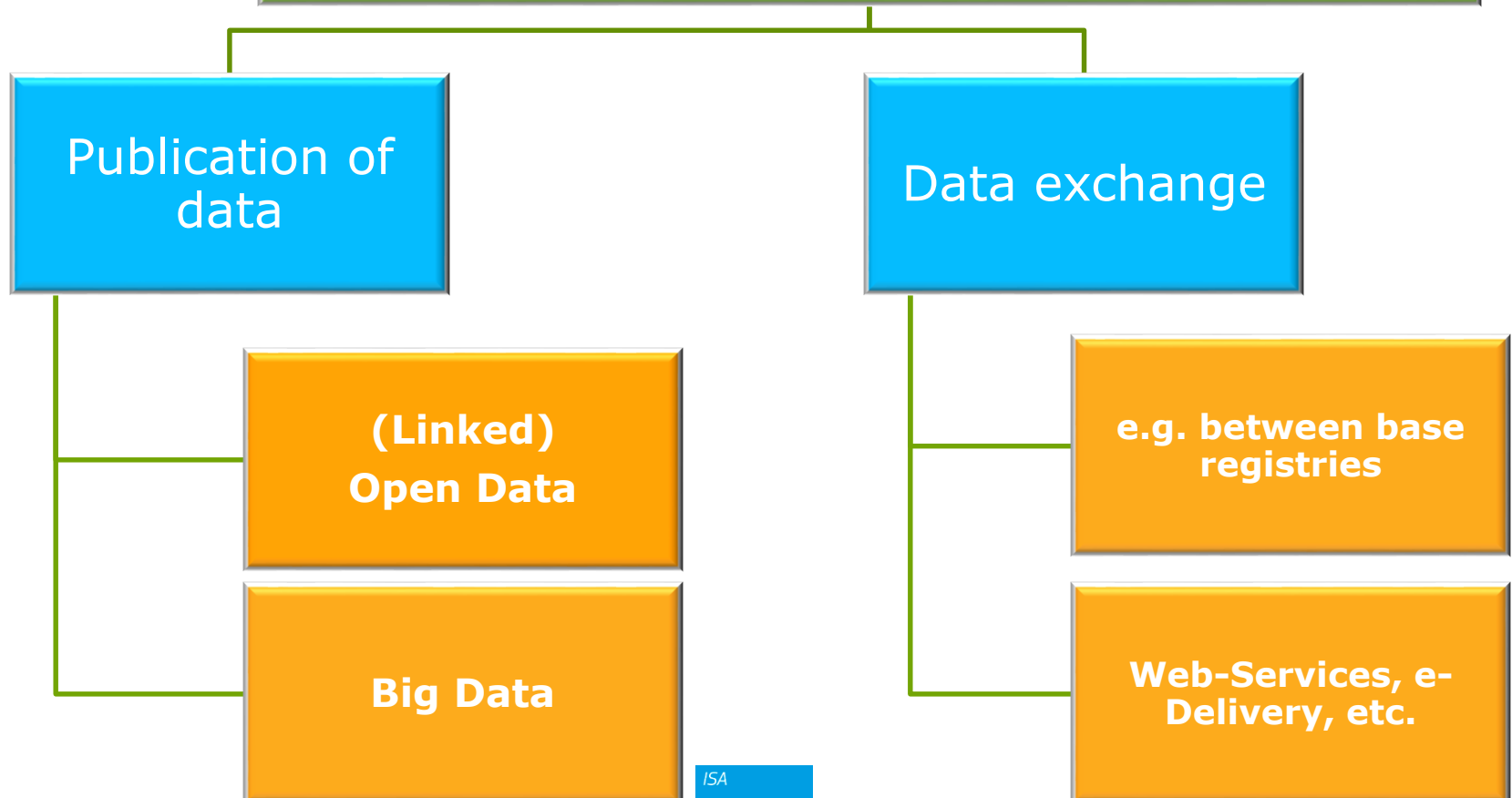


Technical Interoperability

**Integrated
Public Service
Governance**



Agreeing on formats and definitions of data and metadata





- Supporting the development, dissemination and use of **core vocabularies** and **data specifications**
- Developing **processes** and **guidelines** for **information governance and management**, and **supporting related policy implementation projects** and initiatives in the EU institutions and Member States





9 DGs

>50 Countries

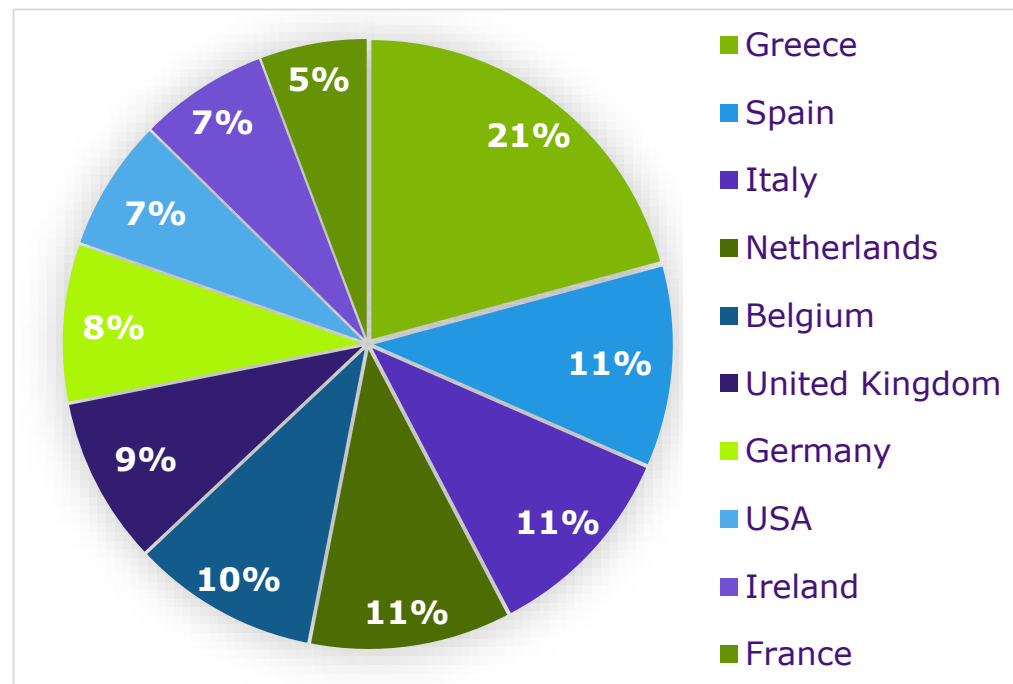
50 Pilots and Real life implementations

>10 Working Groups

>60 Organised events

>1500 Stakeholders

- More than 1500 representatives of different organisations are participating/have participated in SEMIC activities.
- From more than 50 countries.



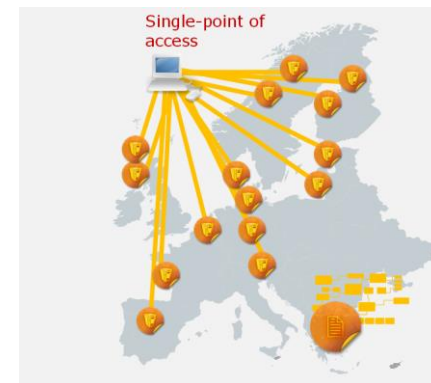


- ADMS
- DCAT-AP, STAT DCAT-AP, Geo DCAT-AP
- Core Vocabularies
 - Person, Business, Location
 - Public Service
 - Public Organization
 - Criterion, Evidence

ADMS is a simple specification to *describe* reusable interoperability solutions

Implementations

- Joinup
- Metadata Registry (MDR) of the EU Publications Office
- PoolParty Thesaurus Manager 3.1.0
- ADMS export feature for XRepository
- ADMS-compliant RDF export for W3C Technical Reports
- Automatic feed to harvest ADMS-compliant descriptions of GS1 in Europe assets
- ADMS export feature for the Spanish center for technology transfer



DCAT-AP provides a common specification for describing public sector datasets

Implementations

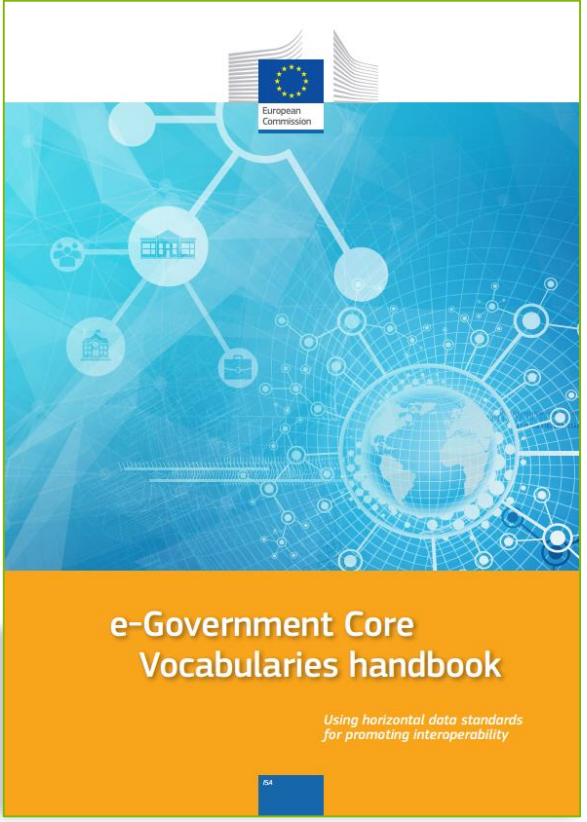
- [European Data Portal](#)
- European Union Open Data Portal (PO)
- Germany, Norway, Ireland, Sweden, Switzerland
- ...

Core Vocabularies



What is a core vocabulary?

Simplified, re-usable, and extensible data models that capture the **fundamental characteristics** of a data entity in a context-neutral and syntax-neutral fashion



CORE
BUSINESS
VOCABULARY

CORE
LOCATION
VOCABULARY

CORE
PERSON
VOCABULARY

CORE
PUBLIC
SERVICE
VOCABULARY

CORE
CRITERION &
EVIDENCE
VOCABULARY

CORE
PUBLIC
ORGANISATION
VOCABULARY

See also:
[e-Government Core Vocabularies Handbook](https://joinup.ec.europa.eu/asset/core_vocabularies/asset_releases/core-vocabularies-v20)
https://joinup.ec.europa.eu/asset/core_vocabularies/asset_releases/core-vocabularies-v20



• Implementations¹

- Estonia
- Italy (Trentino)
- Belgium (Flanders)
- DG Just
 - BRIS project
 - Succession forms
 - Forms for Public Documents Regulation



¹<https://joinup.ec.europa.eu/node/44202>




ISA Action 1.1 – <http://semic.eu>

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