

# ISA<sup>2</sup> Fostering Semantic Interoperability between public administrations in Europe

11 January 2018  
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## The ISA<sup>2</sup> programme

- Programme managed by the EC
- supporting development of interoperable IT solutions & Services
- Budget: **131M €**
- Duration: **2016-2020**
- Solutions developed upon proposals of the EU countries and the EC Services
- Solutions facilitate transactions across borders and/or across sectors between public administrations, businesses and citizens
- Solutions when related to IT: open source & free of charge

# The ISA<sup>2</sup> programme – The Benefits

- For public administrations:
  - Reduced time and cost for the development of own IT solutions
  - Solutions that work smoothly in cross-border and/or cross-sector context
  - High end-user satisfaction, due to more efficient bureaucratic procedures
- For businesses and citizens:
  - Quicker and cheaper administrative procedures
  - Less red tape

# The ISA<sup>2</sup> programme – The Solutions

- IT solutions covering wide range of areas:
  - [Semantics Interoperability](#)
  - [Open Data](#)
  - [Geospatial solutions](#)
  - [e-Procurement / e-Invoicing](#)
  - [Decision making and legislation](#)
  - [Solutions supporting the implementation of EU policies](#)
- Overview at [ISA<sup>2</sup> website, section "solutions"](#)

# Interoperability Governance



**Legal  
Interoperability**



**Organisational  
Interoperability**



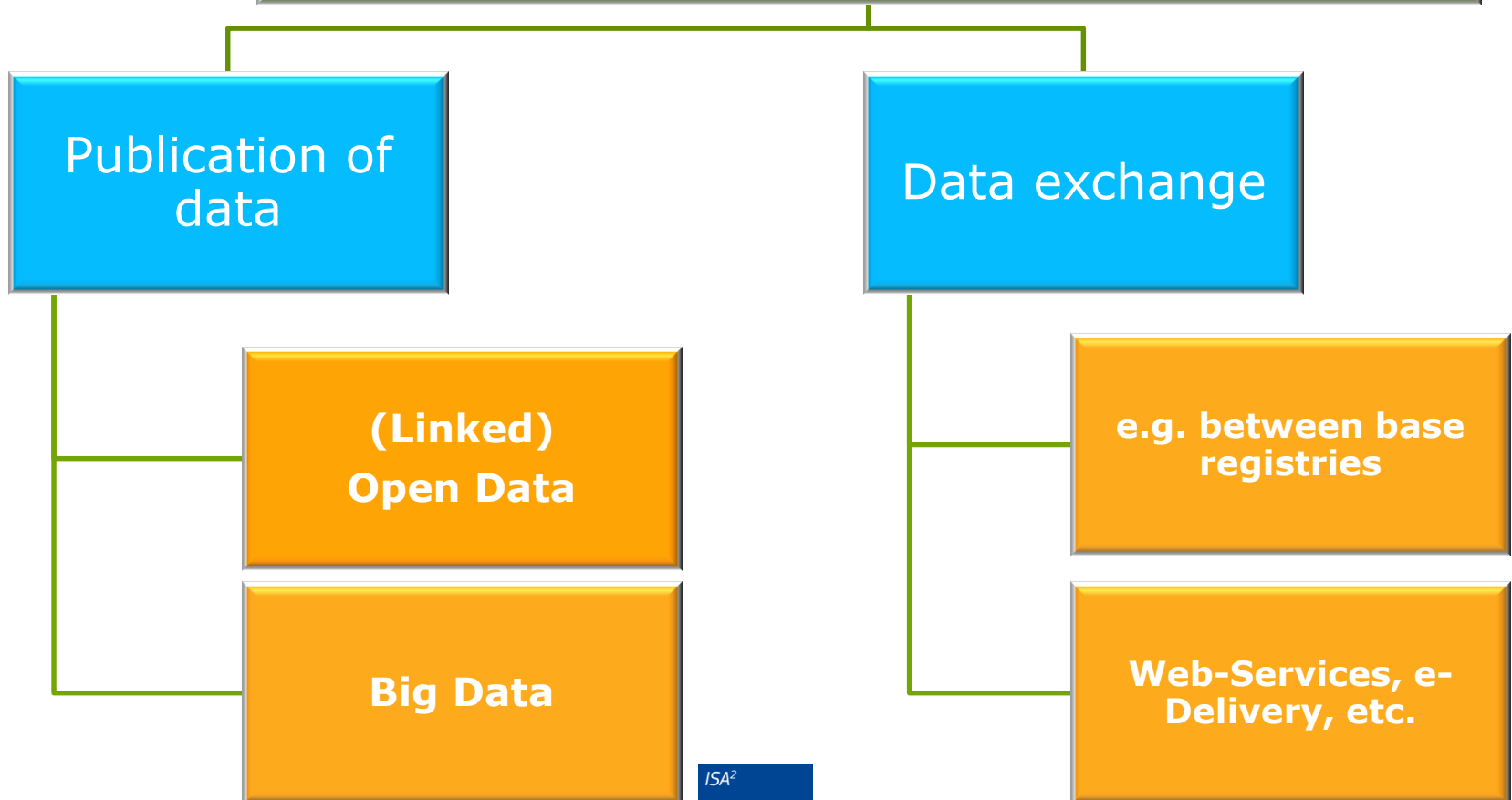
**Semantic  
Interoperability**



**Technical  
Interoperability**

**Integrated  
Public Service  
Governance**

## Agreeing on formats and definitions of data and metadata





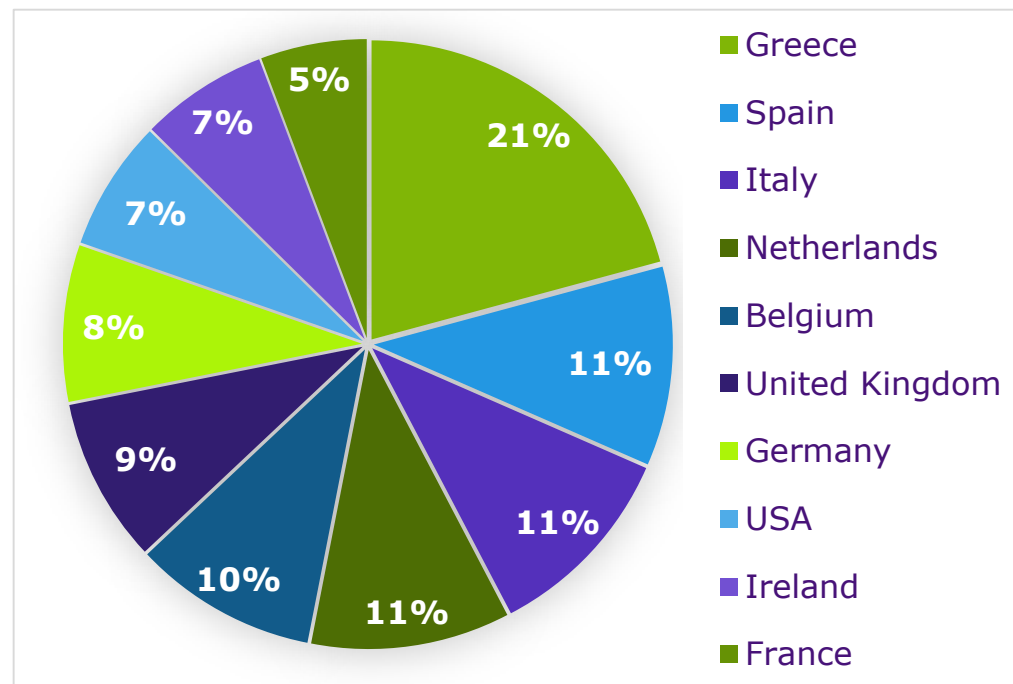
- Supporting the development, dissemination and use of **core vocabularies** and **data specifications**
- Developing **processes** and **guidelines** for **information governance and management**, and **supporting related policy implementation projects** and initiatives in the EU institutions and Member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



# Stakeholders



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





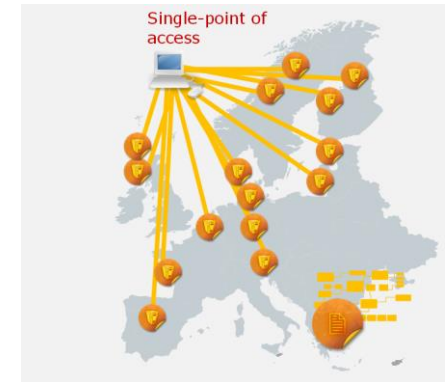


- ADMS
- DCAT-AP, STAT DCAT-AP, Geo DCAT-AP
- Core Vocabularies
  - Person, Business, Location
  - Public Service
  - Public Organization
  - Criterion, Evidence

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

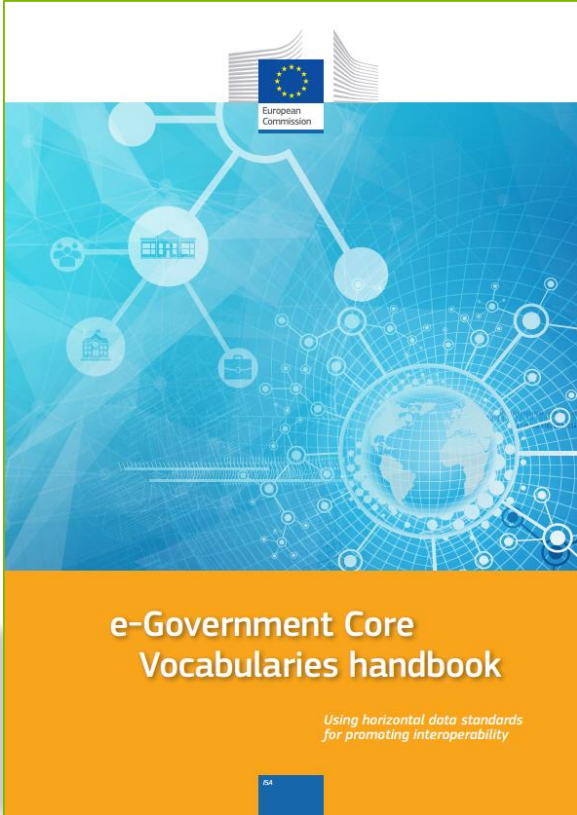
- [European Data Portal](#)
- European Union Open Data Portal (PO)
- Germany, Norway, Ireland, Sweden, Switzerland
- ...

# 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](https://joinup.ec.europa.eu/asset/core_vocabularies/asset_releases/core-vocabularies-v20)



## • Implementations<sup>1</sup>

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



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



# ISA<sup>2</sup> Action SEMIC – <http://semic.eu>

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## Visit our initiatives



## Get involved



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# SEMIC 2018

Semantic Interoperability Conference



## Linked Digital Public Administrations

14 June 2018 - Sofia, Bulgaria

#SEMIC2018

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Initiative supported by the ISA<sup>2</sup> Programme

