The e-Government Core Vocabularies & the ELRD

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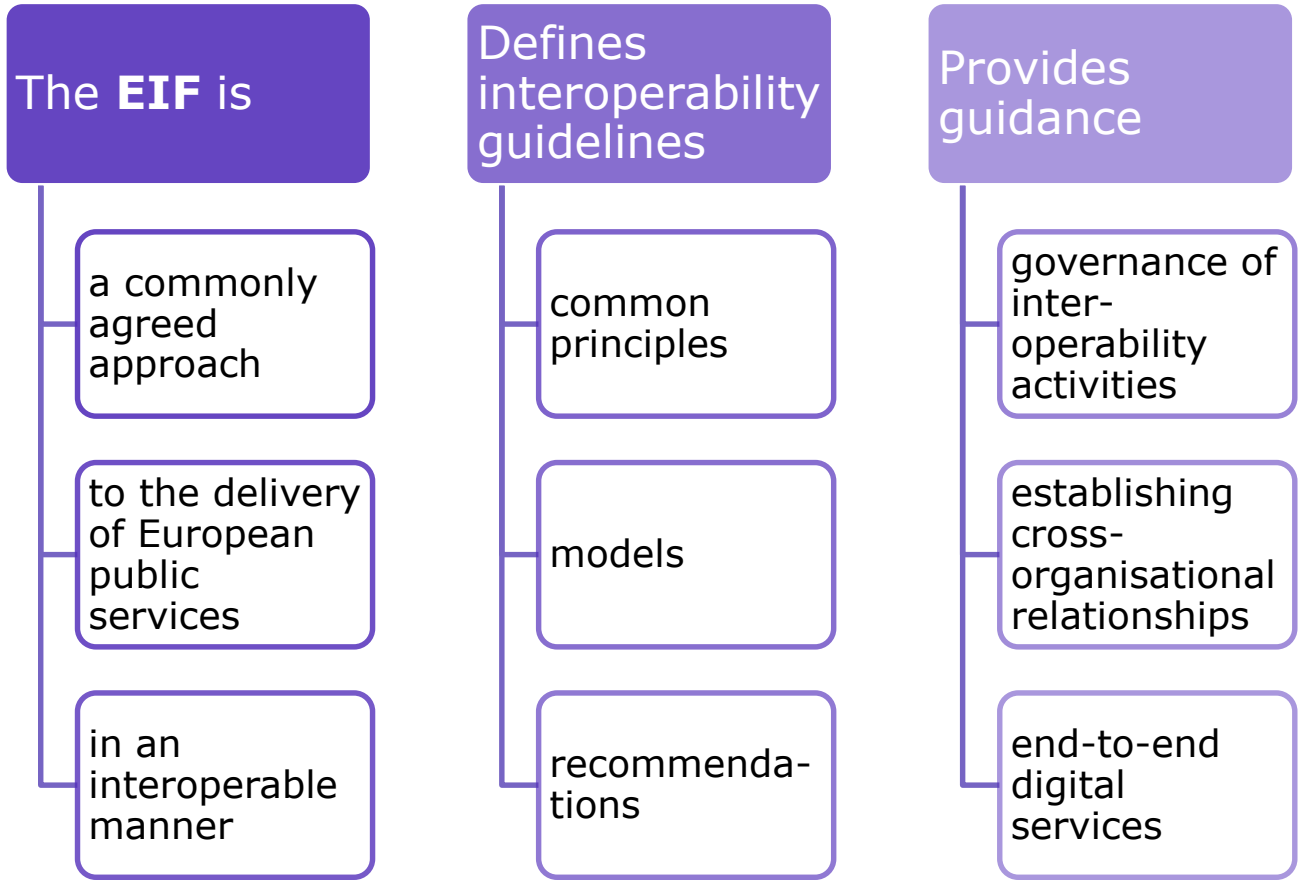
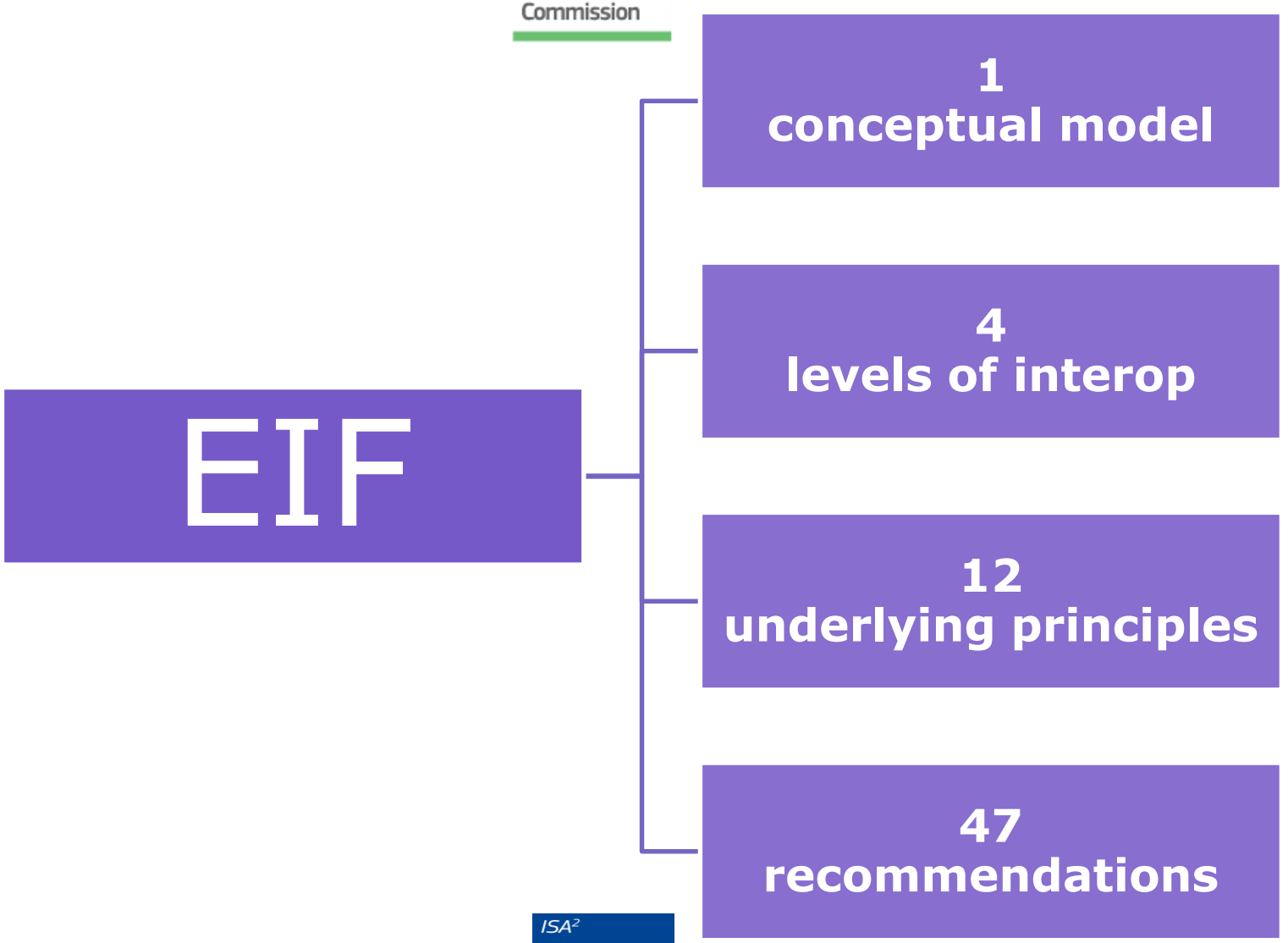
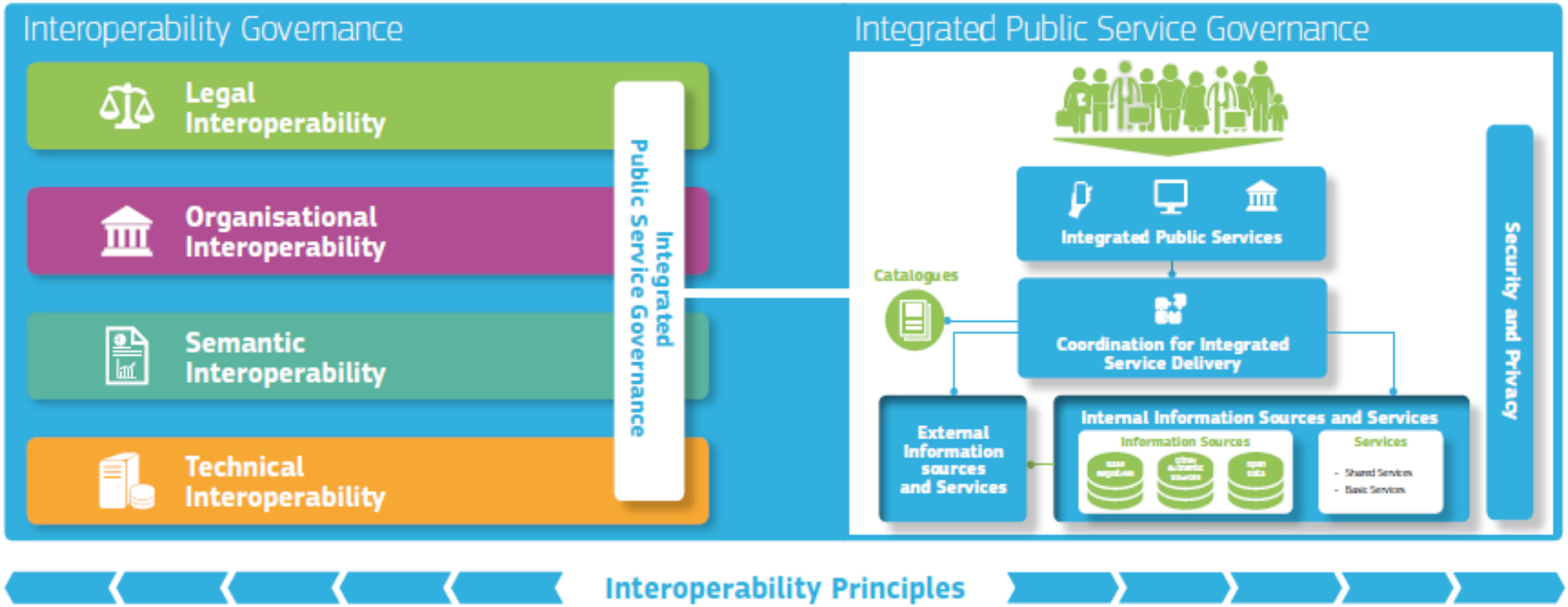
The European Interoperability Framework (EIF)




EIF
1
conceptual model
4
levels of interop
12
underlying principles
47
recommendations


Interoperability Governance
Legal Interoperability
Organisational Interoperability
Semantic Interoperability
Technical Interoperability
Integrated Public Service Governance
Integrated Public Service Governance
Integrated Public Services
Catalogues
Coordination for Integrated Service Delivery
External Information sources and Services
Internal Information Sources and Services
Information Sources
Services
Security and Privacy
Interoperability Principles

Recommendation 30
Perceive data and information as a public asset that should be appropriately generated, collected, managed, shared, protected and preserved.

Recommendation 7
Reuse and share information and data when implementing European public services, unless certain privacy or confidentiality restrictions apply.

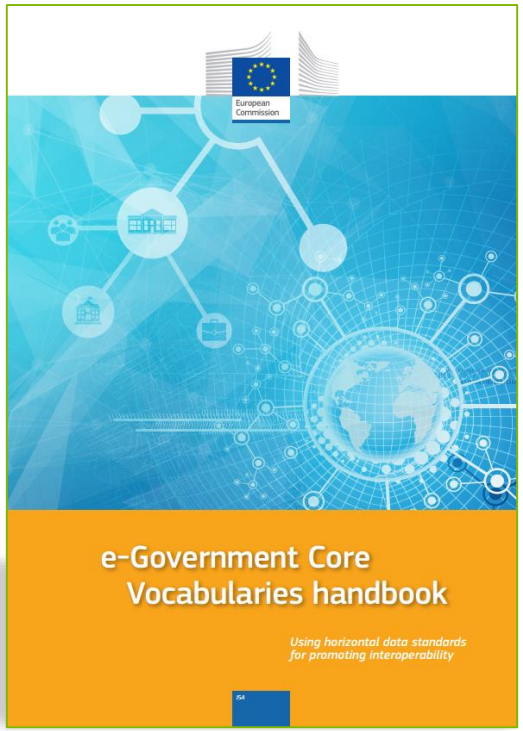
Recommendation 32
Support the establishment of sector-specific and cross-sectoral communities that aim to create open information specifications and encourage relevant communities to share their results on national and European platforms.

EIF and land registries

- The EIF is a powerful tool when considering interoperability.
- Land registries interoperability: legal, organisational, semantic and technical.

- The EIF as a reflection tool:
  - a conceptual framework,
  - comprehensive,
  - beyond technical IOP: legal and organisational IOP, too.

The e-Government Core Vocabularies



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

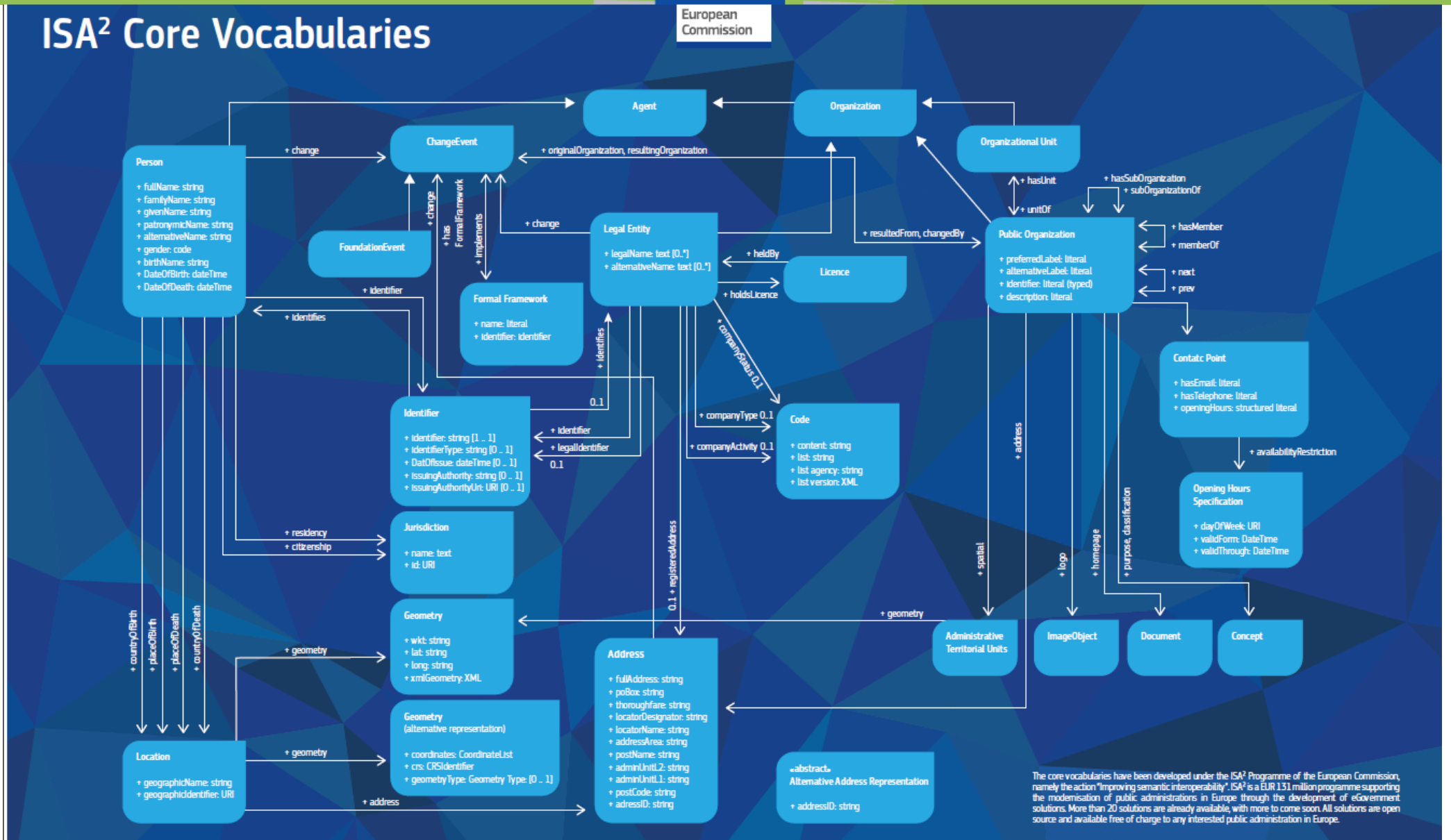
CORE PUBLIC SERVICE VOCABULARY

CORE CRITERION & EVIDENCE VOCABULARY

CORE PUBLIC ORGANISATION VOCABULARY

ISA² Core Vocabularies

European Commission

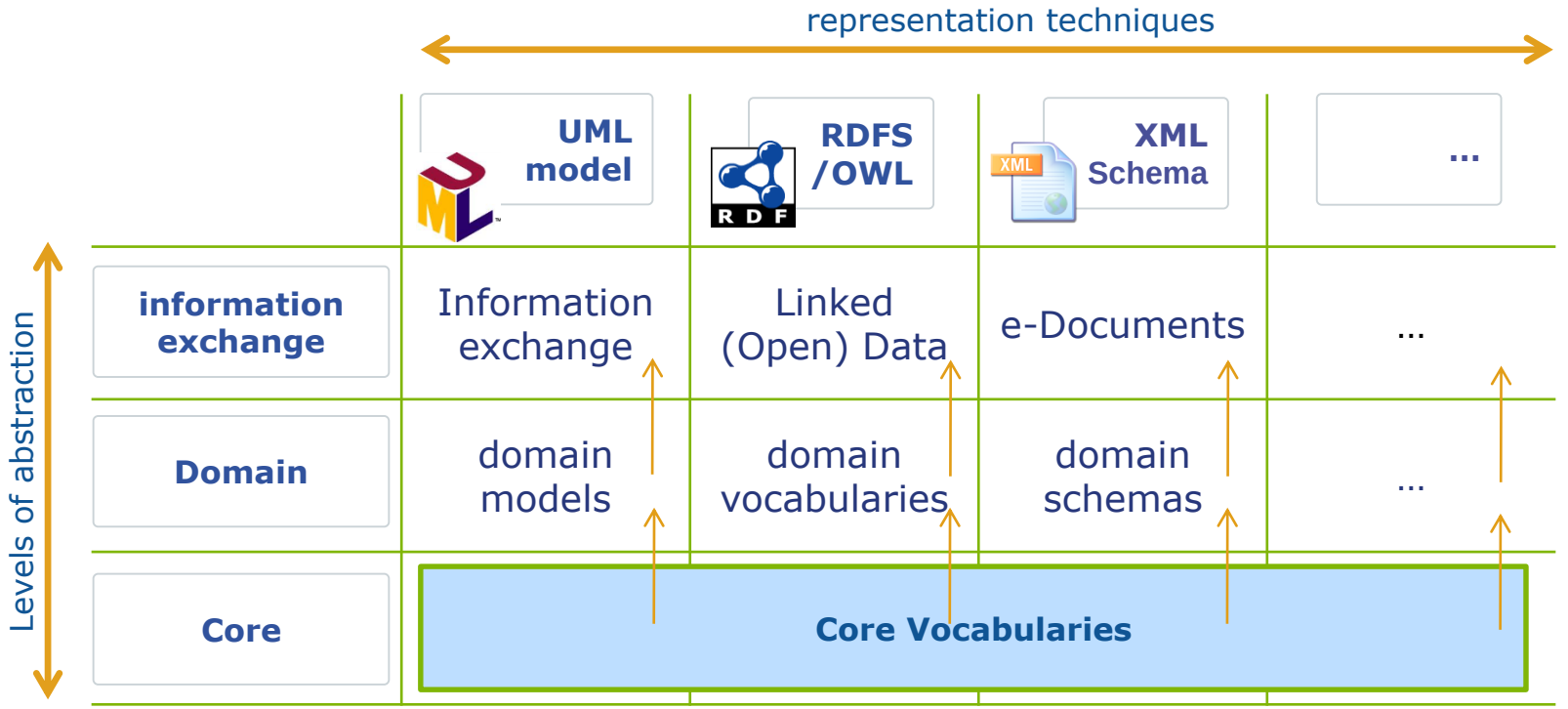


The core vocabularies have been developed under the ISA² Programme of the European Commission, namely the action "Improving semantic interoperability". ISA² is a EUR 131 million programme supporting the modernisation of public administrations in Europe through the development of eGovernment solutions. More than 20 solutions are already available, with more to come soon. All solutions are open source and available free of charge to any interested public administration in Europe.

Use cases for the e-Gov CoreVocs

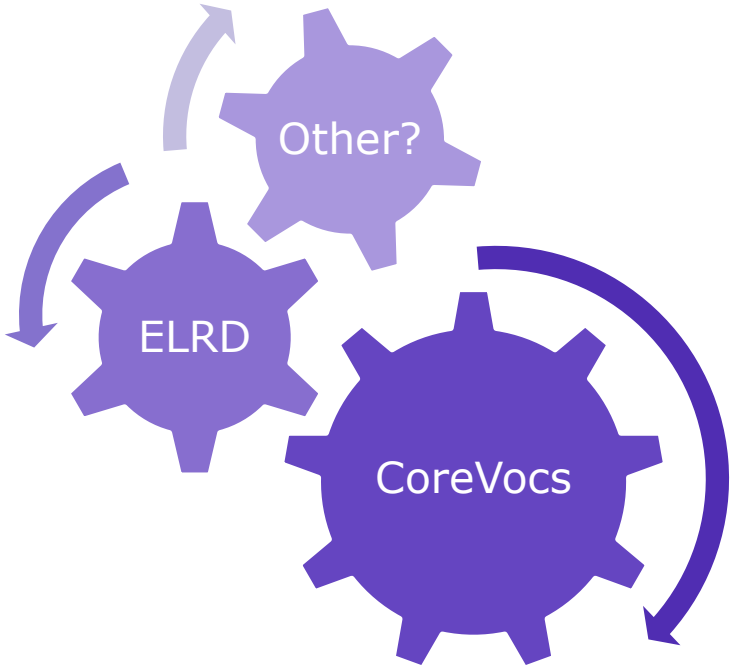
- Information exchange: the underpinning agreement.
- Data integration: like in information exchange.
- Data publication: enrich the publication of data.
- Development of new systems: by default baseline interoperability.

Different uses



The e-Government Core Vocabularies & the ELRD

- The e-Government Core Vocabularies, by design, need to be further developed.
- For ELRA ➔ ELRD: building on the e-Government Core Vocabularies, addresses the particular needs of land registries.
- The e-Government Core Vocabularies:
  - facilitate the integration of other domains
  - enrich the information provided for public access.



ISA² Action 2016.07 SEMIC: Promoting Semantic Interoperability amongst the EU Member States

Raising awareness on the importance of metadata management.

Identifying opportunities for alignment on semantic definitions, metadata and reference data sources with special focus on identification and definitions of *core concepts/vocabularies*.

Promoting, share and reuse of semantic assets, experiences and tools and facilitating agreements in key areas.

SEMIC specifications

ADMS

DCAT-AP

- Stat DCAT-AP
- Geo DCAT-AP

Core Vocabularies

- Person, Business, Location
- Public Service
- Public Organization
- Criterion, Evidence

The ISA² programme supports the development of **digital solutions** that enable public administrations, businesses and citizens in Europe to benefit from **interoperable** digital public services.

Goals of the programme

- Promote a holistic approach to interoperability
- Cross border, cross sector and user centric public administrations
- Identify, create and operate interoperability solutions
- Facilitate the reuse of interoperability solutions by European public administrations.

Questions?

REGISTER NOW!
SEMIC 2019
#SEMIC2019
Linking Data Spaces for Citizens
HELSINKI · FINLAND
21 OCTOBER 2019

Recap

- EIF: foundations for interoperability in Europe.
- Supports reflection on interoperability opportunities: legal and organisational.
- e-Governement Core Vocabularies ➔ ELRD.
- Many EU programmes have, and still do, supported interoperability initiatives (e.g. ISA2, ISA, IDABC): EIF, SEMIC, etc.

ISA² programme
You click, we link.

Stay in touch

ec.europa.eu/isa2

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ISA² Programme

ISA² Programme

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Run by the Interoperability Unit at DIGIT (European Commission) with 131€M budget, the ISA² programme provides public administrations, businesses and citizens with specifications and standards, software and services to reduce administrative burdens.