



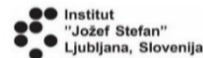
# DE4A Semantic Interoperability



# Consortium



TIMELEX



\*DE4A Coordinator \*\*Linked Third Party

## Project Contacts

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<https://www.linkedin.com/showcase/de4a/>

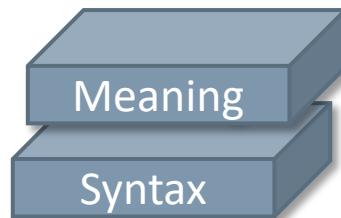


DE4A has received funding from the European Union's Horizon 2020 research and innovation program, under G.A. No. 870635

# Semantic interoperability in OOP



The ability of computer systems to exchange **evidence** with unambiguous, shared meaning



- Ontologies, thesaurus, taxonomies (concepts, synonyms, classification)
- Translation

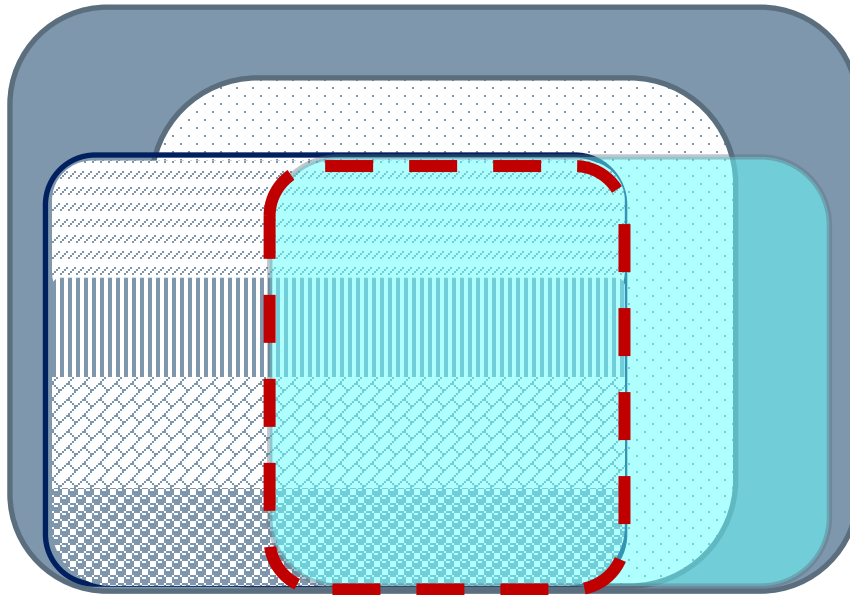
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- Messages, data & character standards
- Common vocabularies (terms, metadata, value domain)

Evidence





document or data required by a competent authority to prove facts or compliance with procedural requirements

## Venn's Diagram of PAs' registries



-  Data held by public authorities
-  Data lawfully issued by competent authorities
-  Data shared between public authorities

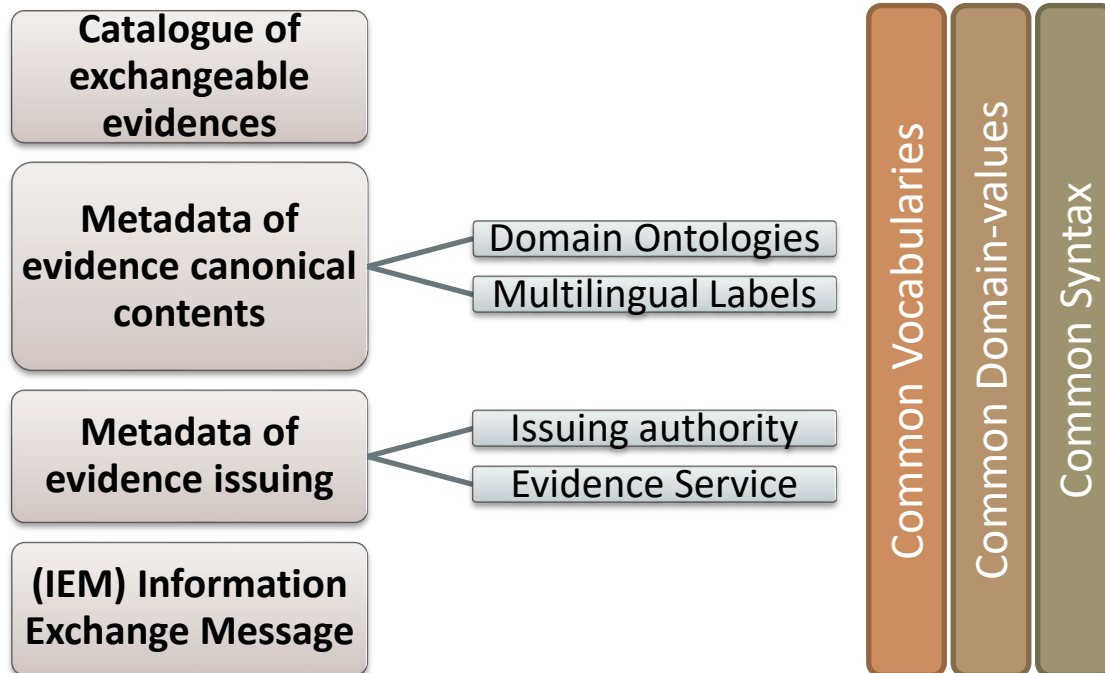
### Evidence issued in an electronic format:

-  Non-structured data (non-machine-readable documents)
-  Weak semi-structured data (fixed structure of document contents)
-  Semi-structured data (document metadata as evidence)
-  Structured data

 **Lawfully issued in an electronic format for automated exchange (SDG scope)** 

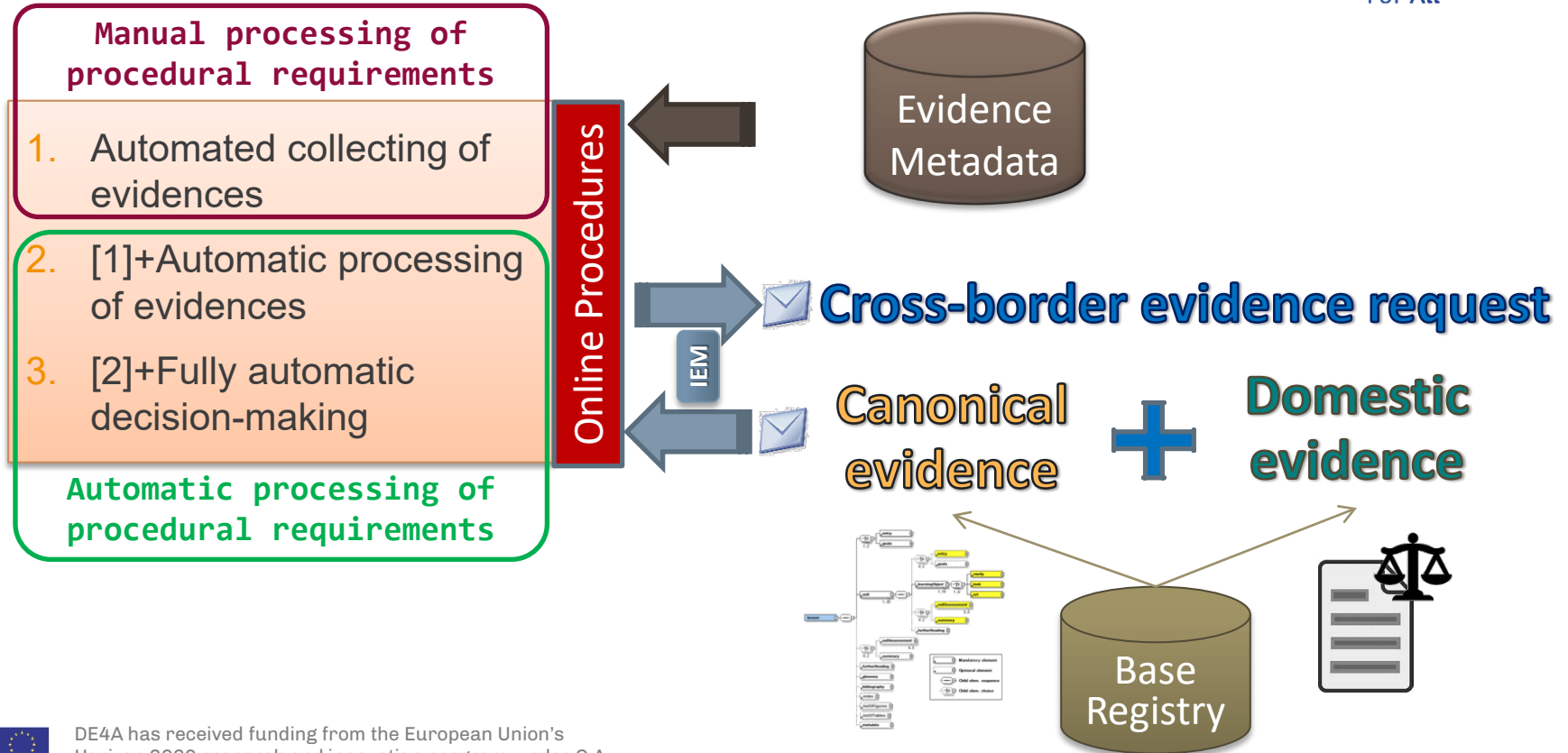
# DE4A Approach: The **INFORMATION DESK**

## Common **structured data** models



## Agreements

# Accommodating different levels of OOP digitalization





Thank You

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