The social factor in European semantic reusability

EU wide registry of public sector semantic models

SEMIC Pre-Conference Workshops

October 17, 2023

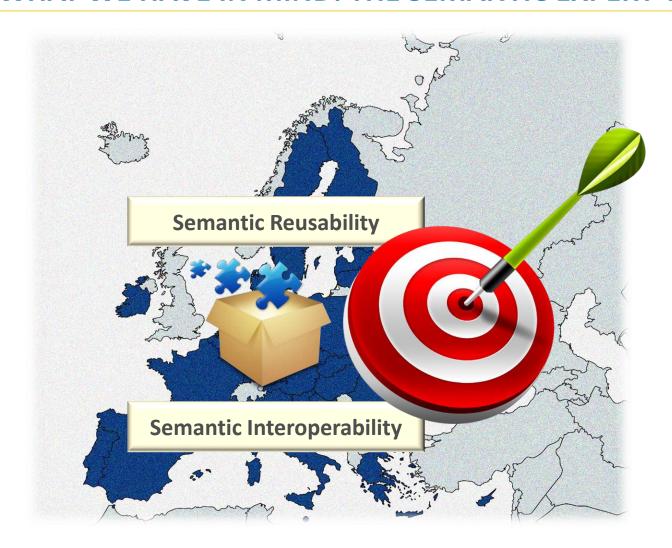


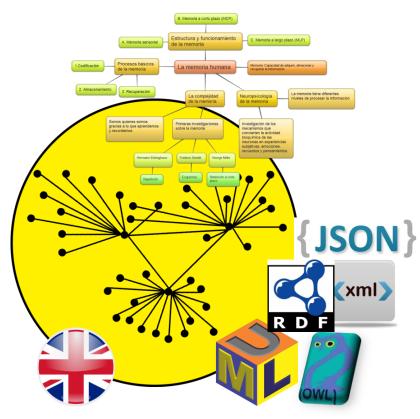






WHAT WE HAVE IN MIND: THE SEMANTIC EXPERT VISION



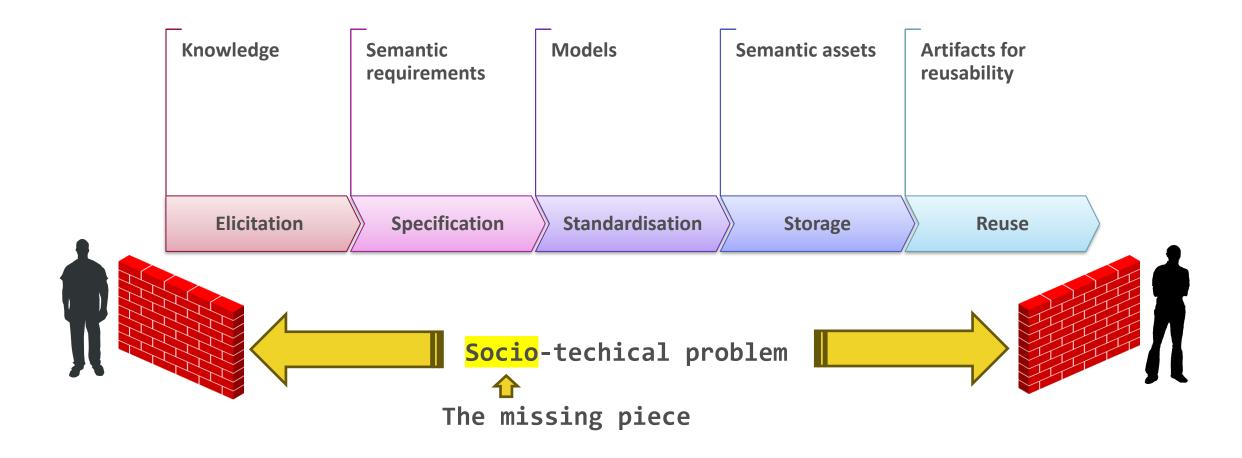








WHAT IS THE SEMANTIC WORK ABOUT











EXPERTS ON THE KNOWLEDGE DOMAIN OF PUBLIC SERVICES



- Diversity of:
 - Languages & Concepts
 - Cultures & Legal frameworks
- English as common language
 - Not native language (mostly)
 - Nuance issues
 - Accuracy issues
 - Bigger misunderstandings
- Psych-sociological issues
 - Human biases
 - Elicitation issues
 - Onboarding and commitment issues
- Little to no EU harmonisation of the knowledge domain
- Experts on the national context
 - Laypeople in other contexts
 - Laypeople in semantics

New knowledge

Existing knowledge









EU-WIDE ELICITATION FRAMEWORKFOR THE PUBLIC SERVICE KNOWLEDGE DOMAIN



Methodology

Socio - technical

European - national

Agile – Structured

Collaboration – Traceability

Elicitation - Creation



Outcomes

Accuracy

Contextualisation

Multilingualism

Versioning

Findability









OBSTACLES IN DISCOVERY OF REUSABLE SEMANTIC ASSETS



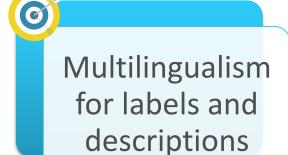
- Huge amount of assets
- Asset scattering
- Overlapping of concepts
- Context/country-dependent meanings
- Labels and descriptions in different languages
- Lack of accuracy on meaning description
- Lack of metadata at every level of an asset
- Findability of proper semantic assets
- Semantics as barrier for domain experts
- Semantics as barrier for IT developers

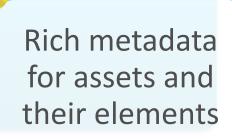




ToDo FOR DISCOVERY OF REUSABLE SEMANTIC ASSETS

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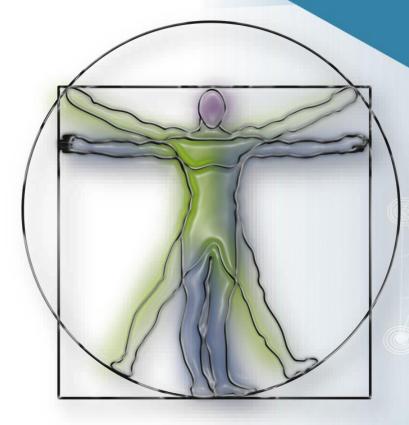












HUMAN-CENTRED TECHNOLOGIES

Thank you for your attention

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