Semantic interoperability and access to base registries

Panel discussion

Antonis Stasis, Hellenic Ministry of Administration Reform and e-Governance, Greece

David Norheim, Computas, Norway

Katrien De Smet, CORVE – Flemish e-Government Coordination Unit, Belgium

Nikolaj Skovmann Malkov, KL, Denmark

Stijn Goedertier, PwC, Belgium (moderator)
Hellenic Ministry Of Administration reform and e-Governance (MAREG)

MAREG is responsible for
• policy on organization structures of Public Authorities, their operation and personnel
• e-Government policy
• Operational Program for Administration Reform

MAREG facilitates the interconnection among the base registries

MAREG is a STORK2.0 partner
Computas is a solution provider with strong focus on applying semantic web solutions for public sector and oil- and gas industry

- **Norway**: Brønnøysund Registry Center creating metadata repository and publishing linked organizational data from base registry
- **Denmark**: Digitaliseringsstyrelsen creating transformations from UML to OWL and linked organizational data from core registry
- **Sweden**: Pilots for the government with local partners
Flemish e-Government Coordination Unit

Guiding principle of integrated e-government:

Once-only data collection, multiple data (re)use

• has built a generic infrastructure (MAGDA) to facilitate cooperation between the administrative entities at the various e-government administrative levels

• coordinates e-government projects and provides incentives e.g. public service catalogue, open data, VIP projects

Katrien De Smet
Local Government Denmark (KL)

KL is the national association of municipalities in Denmark

Main tasks: Protection of interests, employers organisation, consultancy, services, Information

- Establishing a **joint municipal enterprise architecture framework** with a strong focus on semantic interoperability
- An active part in the large joint public sector **Good Basic Data for Everyone**-programme
- **KOMBIT** (the joint municipal IT/project organization) is establishing a **joint municipal infrastructure for integration and services**
A base registry is a trusted, authentic source of information

A base registry (BR) is a trusted, authentic source of information under the control of an appointed public administration or organisation appointed by government.

Base registers provide basic information on items such as persons, companies, vehicles, licences, buildings, locations and roads.

Source: European Interoperability Framework
Base registries are the **cornerstone** of public services

Source: European Interoperability Framework

Is access to base registries and semantic interoperability still an issue for your organisation?

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Which *semantic* interoperability solutions exist? How mature are they?

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What should governments do to improve the semantic interoperability of base registers?

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Questions from the audience

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Data structure for person supported by STORK2

- identifier
- givenName
- surname
- inheritedFamilyName
- adoptedFamilyName
- gender
- nationalityCode
- maritalStatus
- dateOfBirth
- countryCodeOfBirth
- age
- isAgeOver
- textResidenceAddress
- canonicalResidenceAddress
- residencePermit
- eMail
- title
- pseudonym
- signedDoc
- citizen0AAlevel
- fiscalNumber
- countryCodeAddress
- state
- municipalityCode
- town
- postalCode
- streetName
- streetNumber
- apartmentNumber
Legal Person

Stork 2.0 is an EU co-funded project
INFSO-ICT-PSP-297263
E-Mandate

STORK 2.0 "powers taxonomy"