OSLO²
Open Standards for Linked Organisations

‘Linked Base Registries as a key enabler for eGovernment in Flanders’ #OSLO2

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INSPIRE_EU2016
Take Away

• A new love affair

• It’s all about semantics

• Building bridges between organisations (governments and businesses)
Information Flanders Agency
miss globe meets mister cube

- New agency: 2016
- Merger of geospatial agency and e-gov department
Flanders Information Agency

- 308 municipalities
- 978 public partners
- 2068 private partners
- 6.4 M citizens
- 3 regions
- Federal government

[Map of Flanders]
Flanders Radically Digital

Digitally connected
Information driven
Proactive services
Semantic interoperability

Once only

(Linked) open data

It’s all about semantics

- Applications look at the ‘real world’ from different perspectives

- Information is structured/modelled from one perspective

- Authoritative sources exist as independent silo’s

- Multiple investments for interlinking data

- Impact on the quality and the efficiency of public services.
It’s all about semantics

1. Develop common standardisation methodology
2. Create context neutral OSLO² semantic models
3. Aggregate information from different national, regional and local egovernment information systems
4. Create OSLO² enabled products (address LOD product)
Interoperability framework

Legal interoperability
aligned and digital friendly legislation

Organisational interoperability
optimised processes by/for optimised data exchange

Semantic interoperability
meaning, structure and appropriate use of information

Technological interoperability
technical issues involved in linking computer systems

Political Context
Political, cultural and structural conditions
Approach

International (ISO, W3C, …)

EU Framework (ISA, INSPIRE, …)

Belgian Framework (BeStAdd, GT Bâtiments, …)

Flemish context (OSLO)
**SCOPE**

**TECHNICAL WORKING GROUP**
- GUIDELINES and METHODOLOGY FOR STANDARDISATION
- URI-STANDARD
- METADATA
- OPEN DATA POLICY

**THEMATIC WORKING GROUPS**
- PERSON
- ORGANISATION
- ADDRESS
- BUILDING
- SERVICE delivery

**CRAB LOD**
- ARCHITECTURE
- POC URI-STANDARD
- TRIPLE STORE
- CRAB LOD product development

Alignment with ISA² CORE Vocabularies and INSPIRE
Semantic differences

[Diagram showing the differences between ISA and INSPIRE models]
## Semantic differences

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<th>OSLO²</th>
<th>INSPiRE</th>
<th>ISA core vocabularies</th>
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Linked Base Registries put interoperability into action
OSLO$^2$ - base registries

MAGDA$^2$ platform

Transformation
Publication
Publication
Base registries

Linked data
INSPIRE

Business oriented

Information Flanders Products

Information Flanders

Other Governments

(authoritative) data sources

Shared Semantics
Challenges

- Single legal framework
- Metadata (INSPIRE vs DCAT)
- Semantic alignment
- Public sector data on the web
Open Standards for Linked Organisations

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