



Semantic Interoperability Conference
June 21, 2013, Dublin

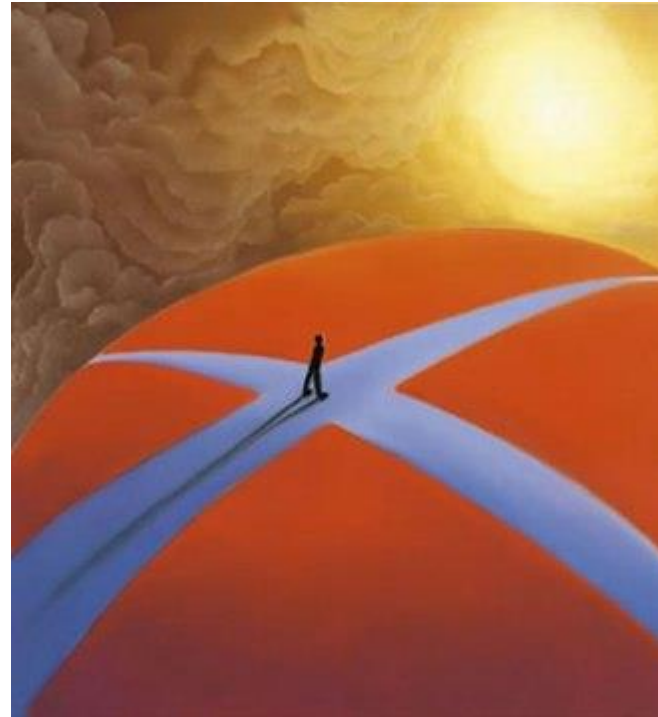
Open Standards for Local Administrations - OSLO 1.0

Extending the Core Vocabularies to a local level
Raf Buyle – Flemish ICT Organisation



V-ICT-OR, an NPO
@ the crossroads

local government,
central government,
private sector and
the citizen



V-ICT-OR, an NPO @
the crossroads

active in Flanders



better public
services

city
intelligence
Business Intelligence

SMART cities
cross sector integration



only-once
principle fails

integration
expensive and
inefficient

lack of machine
readable
information





bottom up-
approach

‘expert driven’ vs.
‘politically-driven’

multi disciplinary Working Group, with a total of 58 people from 28 organisations and representatives of the ISA programme.

building bridges between public and
private sector
'Enabler' for SMART Cities



Interoperability with other member states
Future proof
Re-Use



Why (1) ISA CORE vocabularies and (2) linked data are
essential for local governments?

Recreatie, OCMW en vrije tijd toepassingen hebben vaak nood aan vergaande relaties of niet-familie banden (nieuw samengestelde gezinnen)

NACE-codes zijn te industrieel gericht en hebben een vertaling nodig voor andere domeinen

Er is geen unieke bron voor contactgegevens zoals emailadressen en telefoonnummers.

een onderneming heeft zijn activiteiten in de praktijk stopgezet, maar de vestigingen zijn nog actief

Er is geen onderscheid tussen wijziging adres van verblijfplaats (hernummering straat) en een wijziging van verblijfplaats (verhuis).

Er zijn geen afspraken m.b.t. geautomatiseerde interbestuurlijk aanvragen van producten

Business Impact

an inventory of more than 60 problems related to the exchange of information



EU ISA CORE Vocabularies

CORE
PERSON
VOCABULARY

CORE
BUSINESS
VOCABULARY

CORE
LOCATION
VOCABULARY

CORE
PUBLIC
SERVICE
VOCABULARY

Local ISA Extention

OSLO
PERSON
VOCABULARIES

OSLO
MEMBERSHIP
VOCABULARIES

OSLO
BUSINESS
VOCABULARIES

OSLO
LOCATION
VOCABULARIES

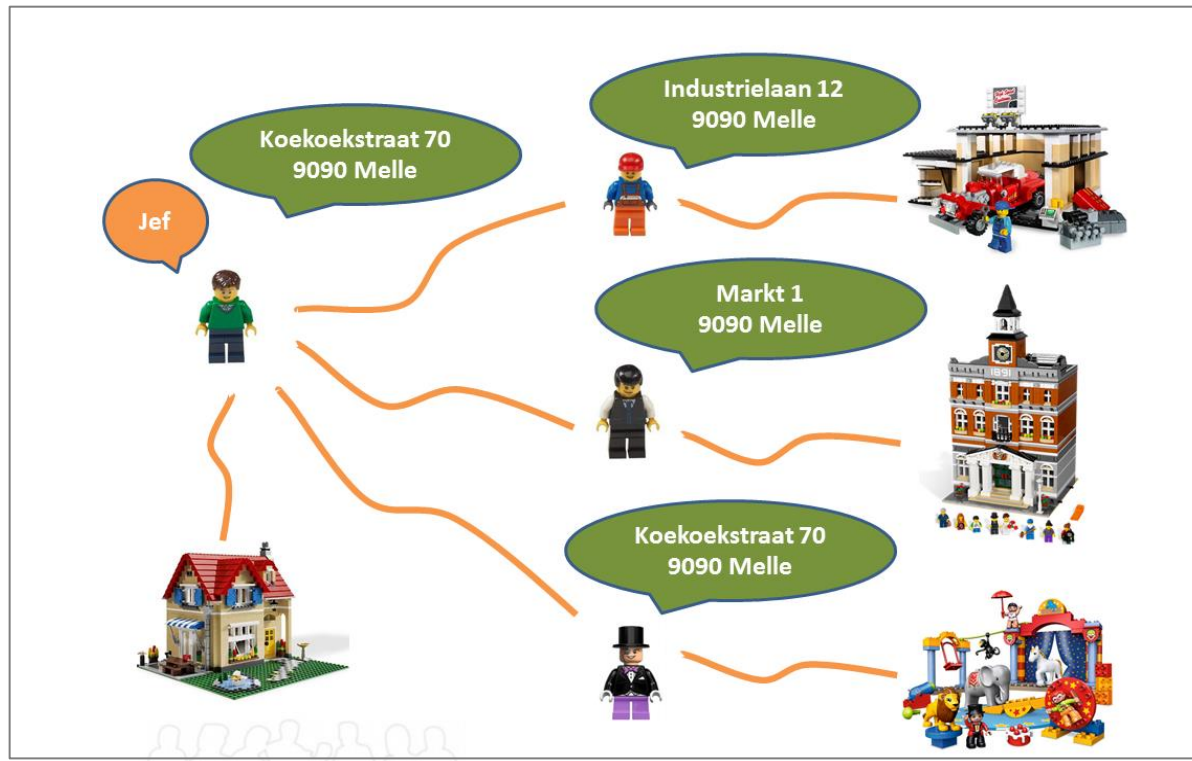
OSLO
PUBLIC
SERVICE
VOCABULARIES

Harmonisation with

- National and Regional Base Registries
- Local context

domicile address
(formal residence)
or contact address
(students
residence)

different contexts:
citizen, employee,
trainer sport club,
...



Regional
CRAB
(x,y)
*Regional
Crossroad DB*

Europe
Inspire
Environment

worldwide
UPU
Postal



compare international address standards
and apply them to the context of local
governments

qualify
your
data

use
opt-in/
opt-out

authorisa-
tion
design

integrity

privacy
regulations?

create
opportunities
for re-use

roles and
authorisation

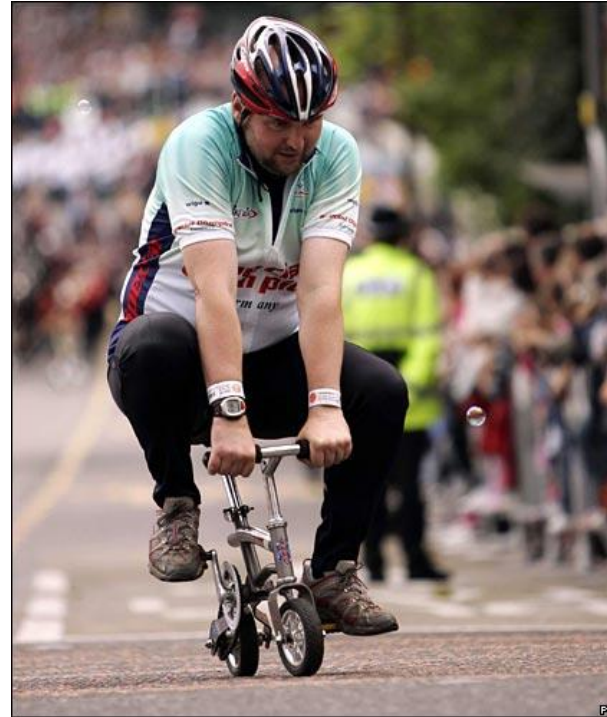
provenance

privacy

quality

Quality?

“fitness for use”, or
how well the data
satisfies particular
needs
or fulfills certain
requirements to
solve a problem




Where to start?



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Oslo open standards local administrations flanders

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OSLO - Open Standards for Local Administrations in Flanders

 Submitted by [Raf Buyle](#) on May 28, 2013
Rating: 5/5 (based on 4 votes) | 44 reads

Description

The OSLO specification is the result of a public-private partnership initiated by [V-ICT-OR](#), the Flemish Organization for ICT in Local Government, and funded by Flemish ICT service providers (e.g. [BCT](#), [Belgacom](#), [CIPAL](#), [Fusebox](#), [Equila](#), [Infront](#), [Remmicom](#) and [Schaubroeck](#)) and public administrations

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Submitted by [Stijn Goedertier](#) on May 28, 2013
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Description

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Het project werd gesponsord door Vlaamse ICT dienstenleveranciers ([BCT](#), [Belacom](#), [CIPAI](#), [Eusebio-Equila](#), [Infront](#), [Remmicom](#) en [Schaubroeck](#)) en

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http://purl.org/oslo

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deliverables OSLO?



OSLO components?

specifications

information
-model

XSD

RDF

relatie
Type
Behoort tot
Refereert

2.4.5. Organisatie

Het domein Organisatie uitzondering van familiale activiteiten uitvoeren.



```
<complexType base="OvagentType">
  <sequence>
    <element ref="cvb:FullName" minOccurs="1" maxOccurs="1"/>
    <element ref="cbc:FamilyName" minOccurs="1" maxOccurs="1"/>
    <element ref="cvb:GivenName" minOccurs="1" maxOccurs="1"/>
    <element ref="cvb:PatronymicName" minOccurs="1" maxOccurs="1"/>
    <element ref="cvb:GenderCode" minOccurs="1" maxOccurs="1"/>
    <element ref="cvb:BirthDate" minOccurs="1" maxOccurs="1"/>
    <element ref="cvb:DeathDate" minOccurs="1" maxOccurs="1"/>
    <element ref="cva:ResidencyJurisdiction" minOccurs="1" maxOccurs="1"/>
    <element ref="cva:CitizenshipJurisdiction" minOccurs="1" maxOccurs="1"/>
    <element ref="ovc:placeOfBirth" minOccurs="1" maxOccurs="1"/>
    <element ref="ovc:placeOfDeath" minOccurs="1" maxOccurs="1"/>
    <element ref="ovc:nationality" minOccurs="1" maxOccurs="1"/>
    <element ref="ovc:nobilityTitle" minOccurs="1" maxOccurs="1"/>
    <element name="legalCohabitation" type="boolean"/>
    <element name="civilClass" type="string"/>
    <element name="legalIncompetence" type="boolean"/>
    <element name="residence" type="boolean"/>
    <element name="domicile" type="boolean"/>
    <element ref="ocont:contact"/>
  </sequence>
```

```
<rdfs:Class rdf:about="http://www.vlaanderen.be/ontology/ovc:Person" >
  <dcterms:identifier "Person" />
  <rdfs:subClassOf rdfo:Class />
  <rdfs:subClassOf rdfo:Class />
  <rdfs:isDefinedBy rdfs:Property />
  <rdfs:comment xml:lang="nl" />
  <rdfs:label xml:lang="nl" />
</rdfs:Class>
<rdfs:Class rdf:about="http://www.vlaanderen.be/ontology/ovc:Person" >
  <dcterms:identifier "Person" />
  <rdfs:isDefinedBy rdfs:Property />
  <vann:usageNote xml:lang="nl" />
  <rdfs:comment xml:lang="nl" />
  <rdfs:label xml:lang="nl" />
</rdfs:Class>
<rdf:Property rdf:about="http://www.vlaanderen.be/ontology/ovc:Person" >
  <dcterms:identifier "Person" />
  <rdfs:isDefinedBy rdfs:Property />
  <rdfs:range rdf:Resource />
  <rdfs:range rdf:Resource />
  <rdfs:range rdf:Resource />
  <rdfs:comment xml:lang="nl" />
```

Roadmap

integration in
public tenders

covenant
public /private
sector

pilots



Pilot: distributed shared service catalog

OSLO-ISA LOD
Service Catalog

what – where –
contact info –
opening hours

kick-off
May 31st, 2013





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