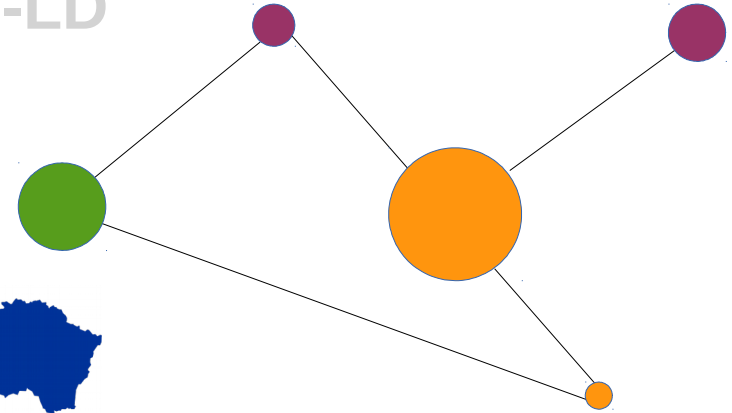


CPSV-AP in RDF/XML, UML, JSON-LD



CPSV-AP-SK in Semantic Interoperability Framework SK

CoS: CPSV-AP WG Webinar 2

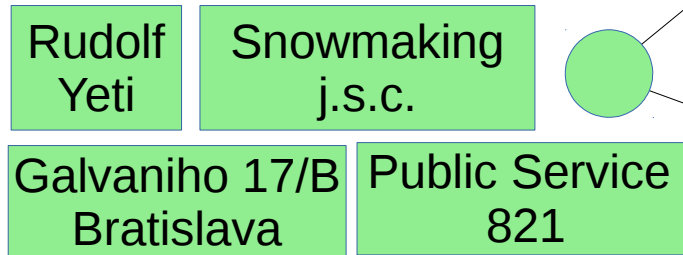
Miroslav Líška

2018-04-23

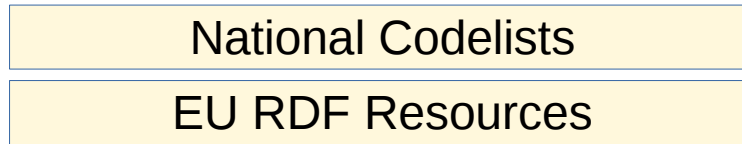
<https://www.linkedin.com/in/miroslavliska/>

Slovakian Semantic Interoperability Framework

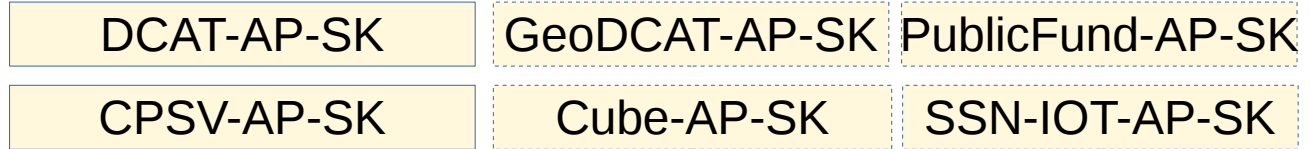
3. Explicit examples



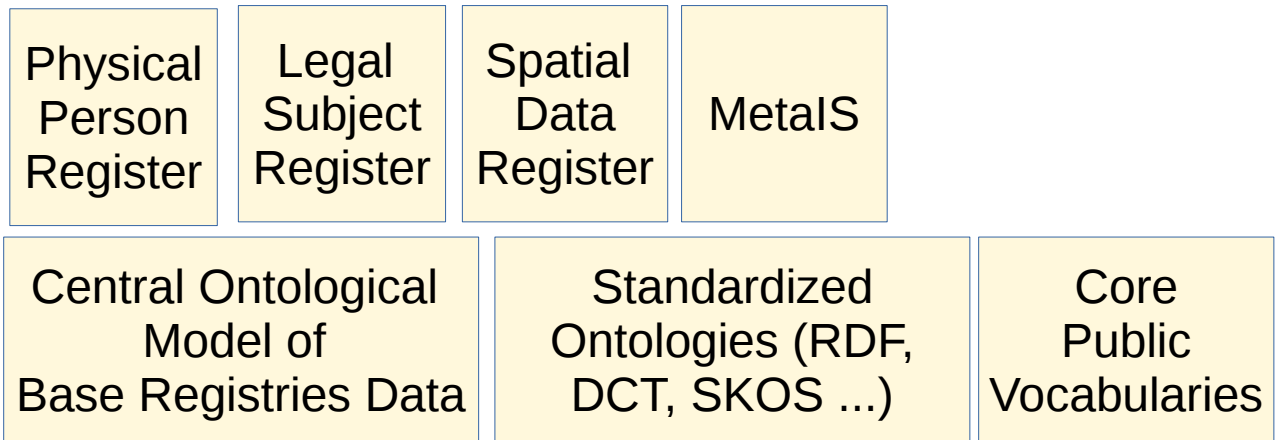
2. Controlled Vocabularies (National + EU)

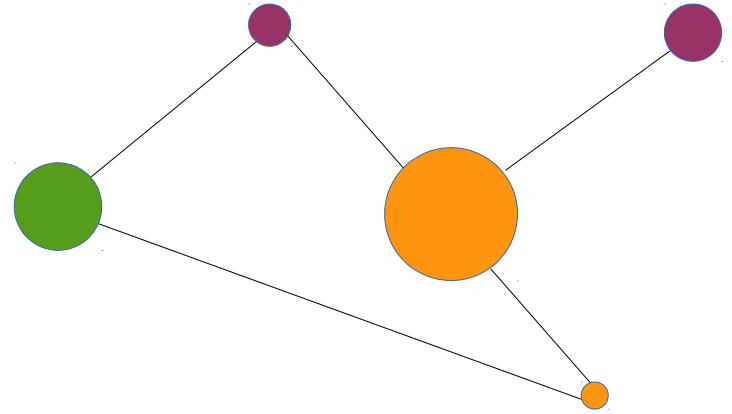


1. Application Profiles



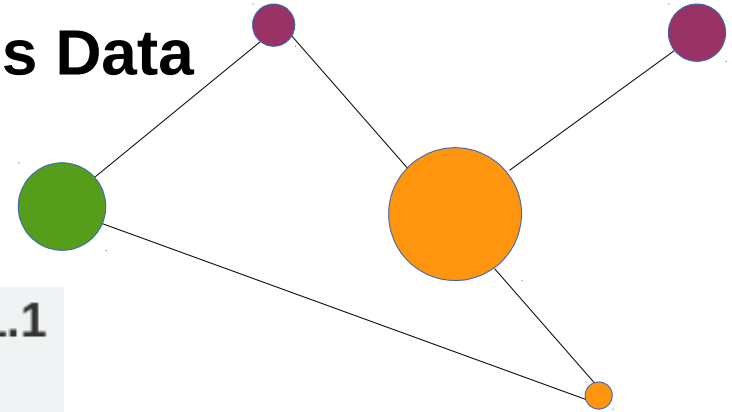
0. Base Registries





0. Base Registries

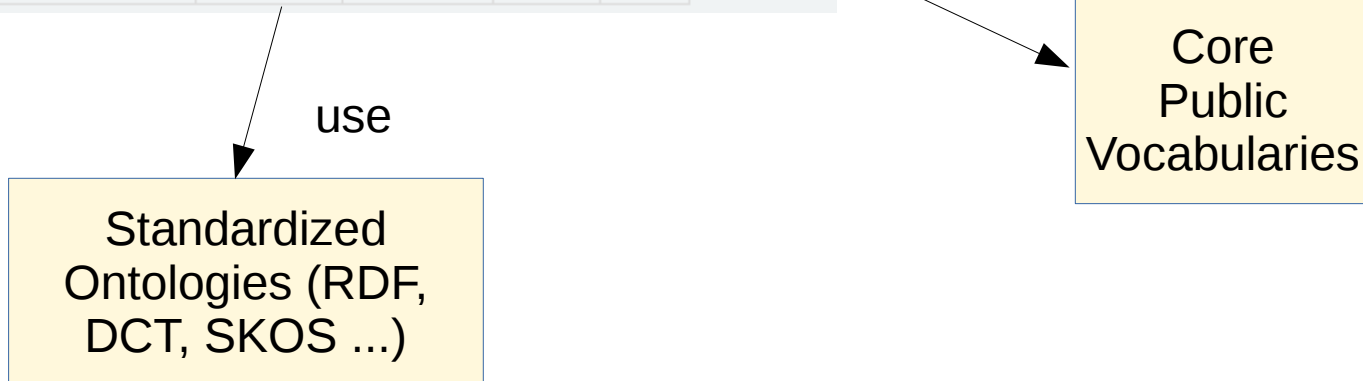
0. Ontologies for Base Registries Data



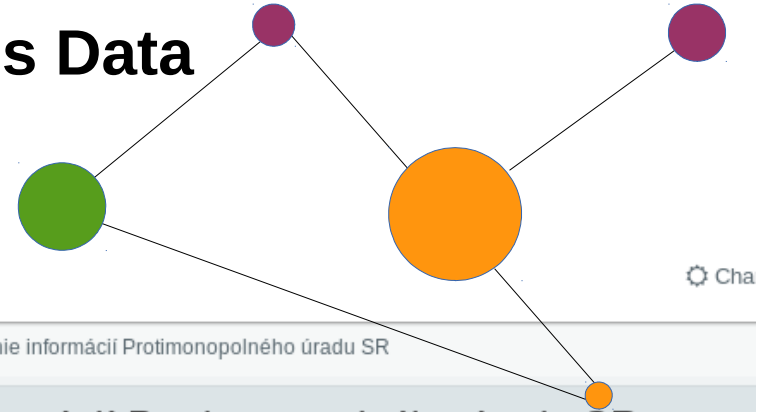
Centrálny model údajov verejnej správy 1.1

Prehľad ontológií a ich distribúcií (2018-03-26)

Ontológia fyzickej osoby	RDF/XML	UML/PNG	HTML	PDF
Ontológia právneho subjektu	RDF/XML	UML/PNG	HTML	PDF
Ontológia finančných entít	RDF/XML	UML/PNG	HTML	PDF
Ontológia lokácie	RDF/XML	UML/PNG	HTML	PDF
Ontológia egovernment entít	RDF/XML	UML/PNG	HTML	PDF



0. Ontologies for Base Registries Data



METAIS Search everywhere Cha

[Main page](#) » [eGovernment components: eGov service](#) » Zverejňovanie informácií Protimonopolného úradu SR

eGov service: Zverejňovanie informácií Protimonopolného úradu SR

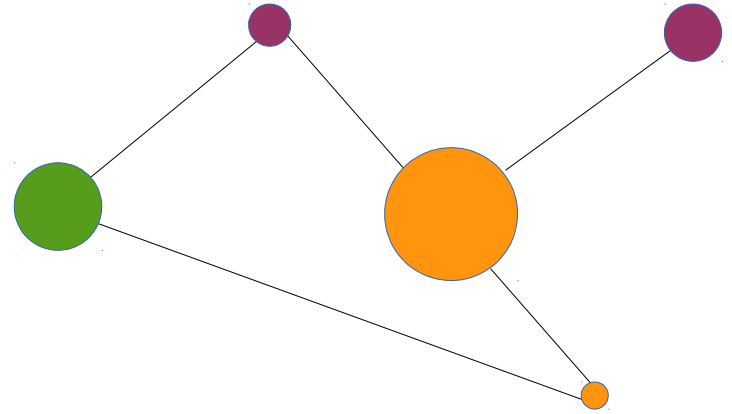
[Summary Information](#) | [Basic information](#) | [Detailed information](#) | [Relationships](#) | [Documents](#) | [SLA parameters](#)

Gestor:	Protimonopolný úrad SR	
eGov service name:	Zverejňovanie informácií Protimonopolného úradu SR	?
English name:	Publication of information of the Antimonopoly Office of the Slovak Republic	?
Description:	Služba sprístupňuje tlačové správy, oznámenia o koncentracii, usmernenia a pokyny úradu, iniciatívy, súhrny konaní, rozhodnutí a iných informácií Protimonopolného úradu SR na internetovej stránke úradu.	?
English description:	Service provides press releases, concentration notifications, guidelines and instructions of the Office, activities, summaries of the proceedings, decisions and other information of the Antimonopoly Office of the Slovak Republic at the website of the Office.	?
Note:		?
MetaIS code:	sluzba_egov_821	?
Reference identifier:	https://data.gov.sk/id/egov/public-service/821	?

MetaIS

Relationships to related items

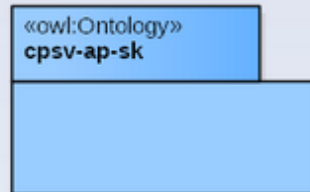
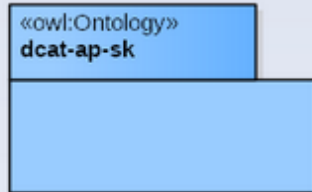
<https://metais.finance.gov.sk/detail/KS/d3525391-2708-4f89-83ed-0e2c92d6ccc9/ci-master?tab=basicForm>



1. Application Profiles

1. Application Profiles

Aplikačné profily



Publikačné profily 1.0 - posudzované - (2018-03-26)

Publikácia katalógov, datasetov a distribúcií otvorených údajov (DCAT-AP-SK)	RDF/XML	UML/PNG	HTML
Publikácia údajov o elektronických službách (CPSV-AP-SK)	RDF/XML	UML/PNG	HTML

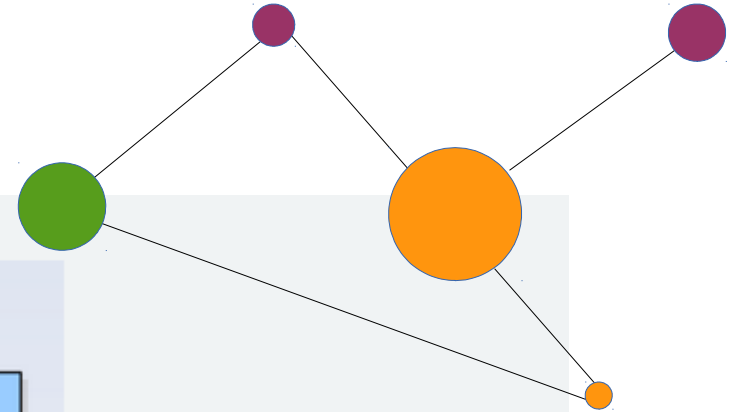
Priklady národných implementácií DCAT-AP:

Nemecko <http://www.dcat-ap.de/>

Belgicko <http://dcat.be/>

Nórsko <https://doc.difi.no/dcat-ap-no/>

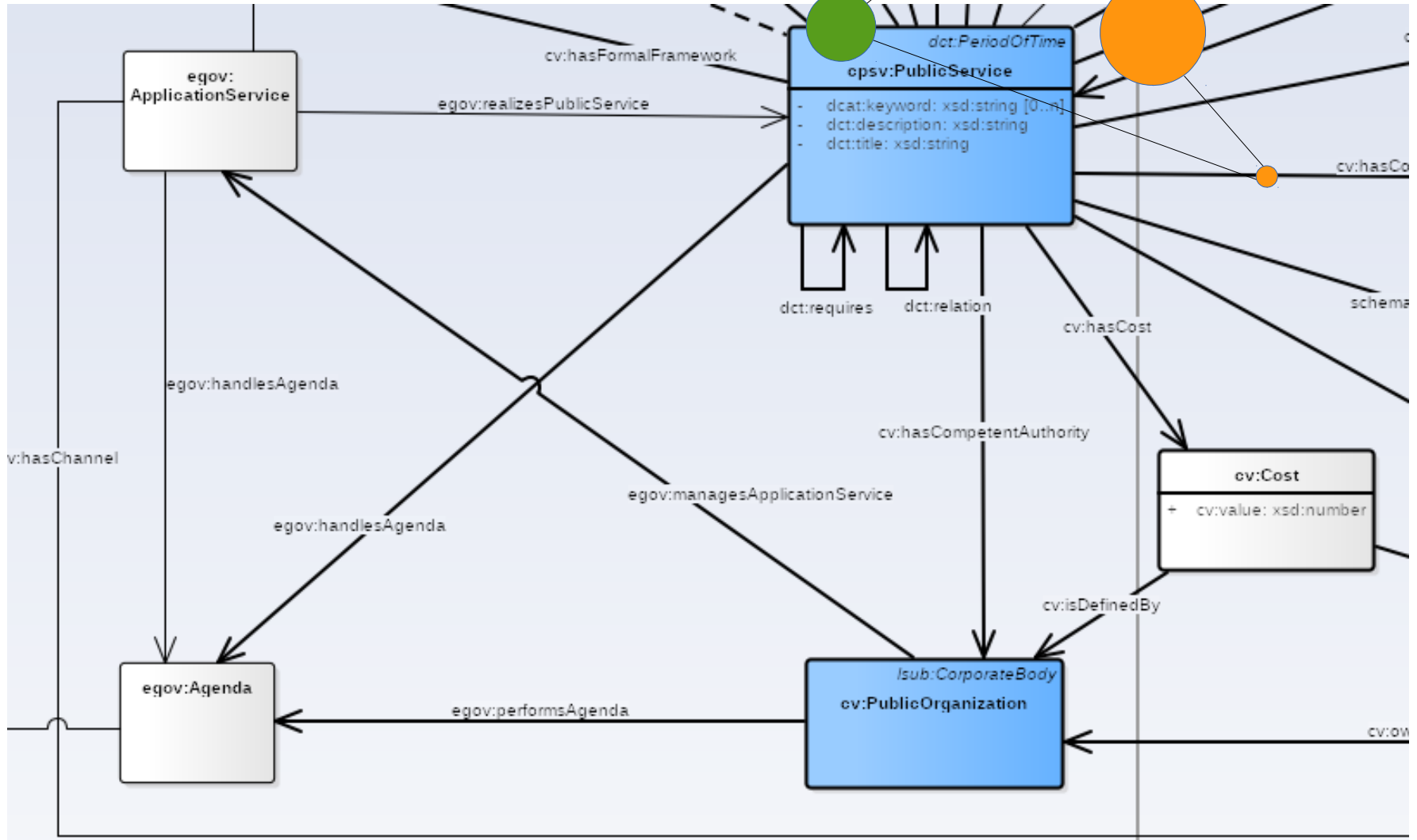
Taliansko <https://www.dati.gov.it/content/dcat-ap-it-v10-profilo-italiano-dcat-ap-0>



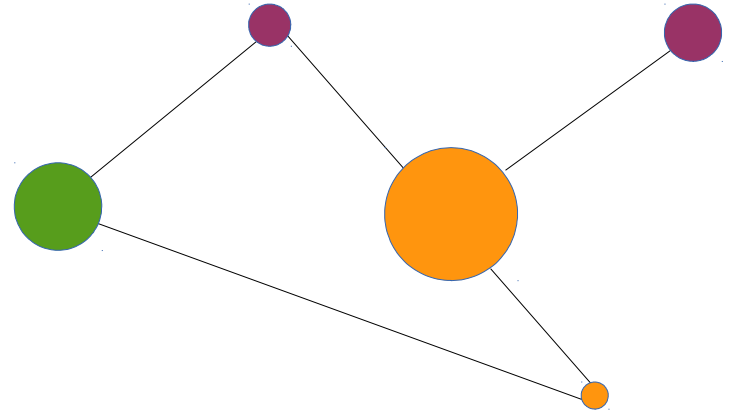
<https://metais.finance.gov.sk/publicspace?pageId=23987267>

1. Application Profiles

CPSV-AP-SK



<https://wiki.finance.gov.sk/pages/viewpage.action?pageId=24945900>



2. Controlled Vocabularies

2. Controlled Vocabularies

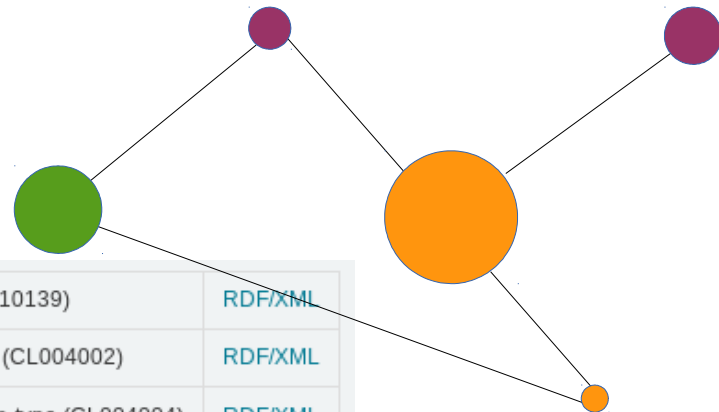
International

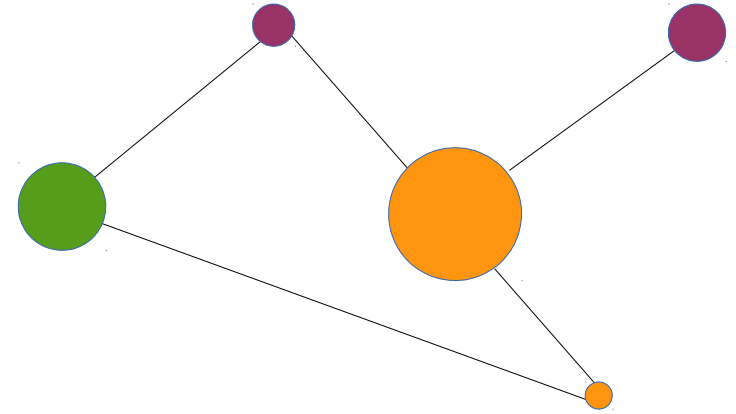
mdr-country	RDF/XML
mdr-currency	RDF/XML
mdr-continent	RDF/XML
mdr-dataset-type	RDF/XML
mdr-dataset-status	RDF/XML
mdr-language	RDF/XML
mdr-frequency	RDF/XML
mdr-licence	RDF/XML
inspire-theme	RDF/XML
inspire-applicationschema	RDF/XML
inspire-codelist	RDF/XML
inspire-featureconcept	RDF/XML
inspire-metadata-codelist	RDF/XML
inspire-document	RDF/XML
inspire-glossary	RDF/XML
inspire-enumeration	RDF/XML
inspire-layer	RDF/XML
inspire-media-types	RDF/XML



SK

address-type (CL010139)	RDF/XML
marital-status-type (CL004002)	RDF/XML
person-relationship-type (CL004004)	RDF/XML
share-form (CL010111)	RDF/XML
statutory-body-type (CL010113)	RDF/XML
name-prefix (CL000062)	RDF/XML
name-suffix (CL000063)	RDF/XML
sex (CL003003)	RDF/XML
existential-status-type (CL004003)	RDF/XML
lau2 (CL000023)	RDF/XML
lau1 (CL000024)	RDF/XML
nuts3 (CL000025)	RDF/XML
legal-form-type (CL000056)	RDF/XML
service-phase-type	RDF/XML
legal-status-type (CL010108)	RDF/XML
required-authentication-level	RDF/XML



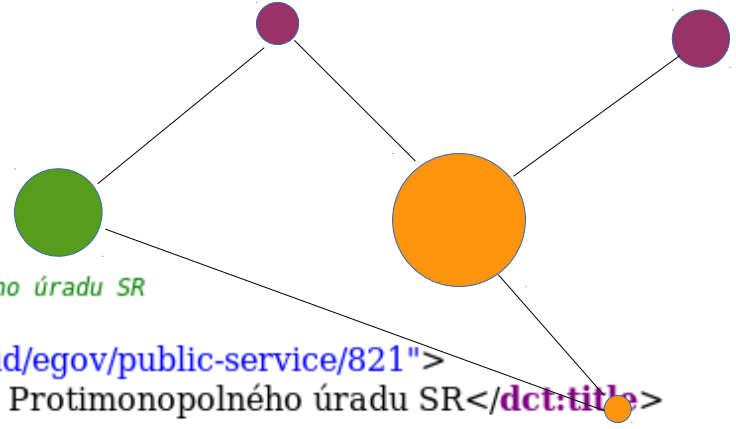


3. Explicit examples

3. Explicit examples

Public Service
821

RDF/XML

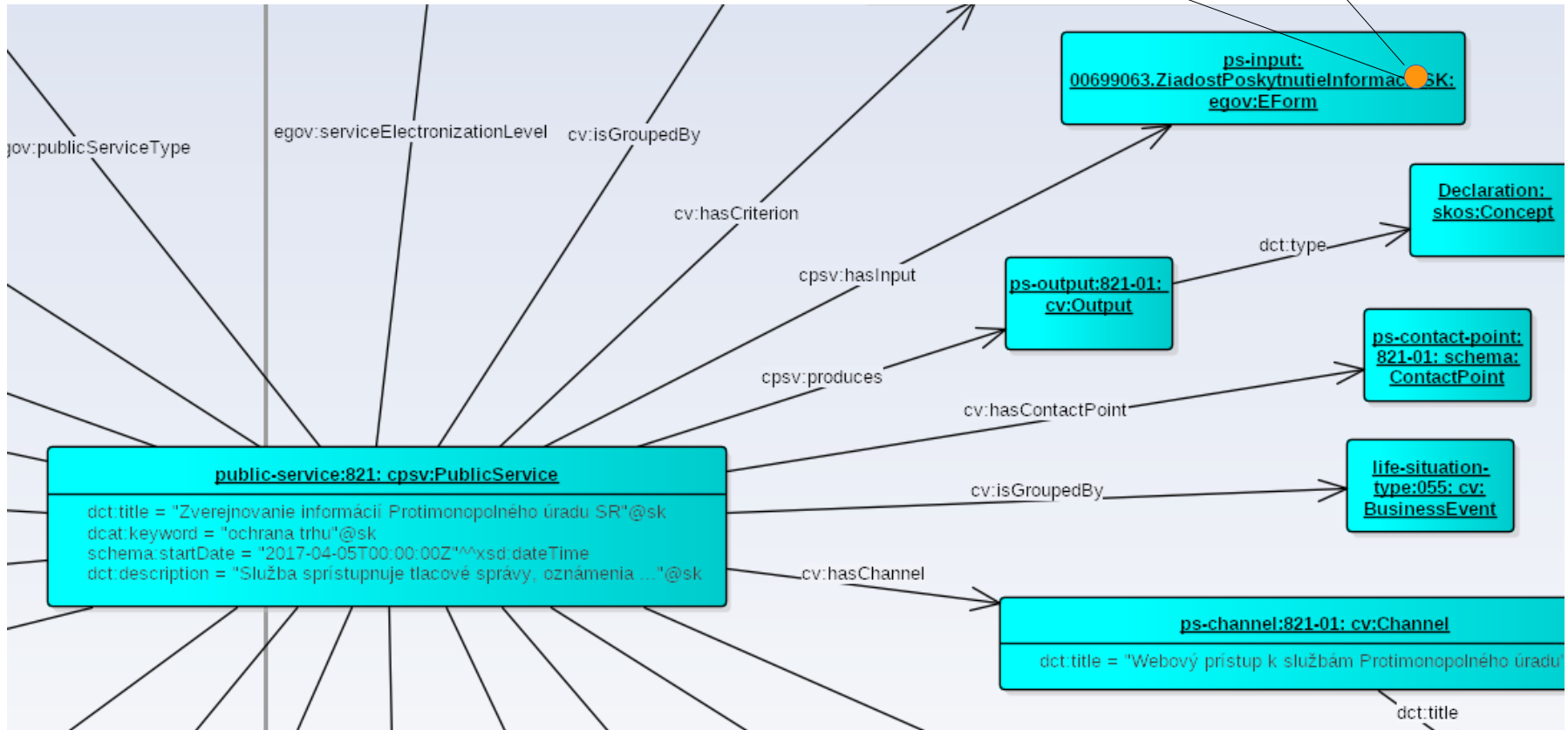
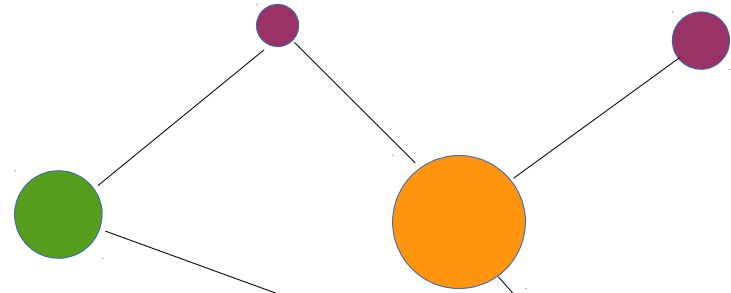


```
-<!--  
  Elektronická služba: Zverejňovanie informácií Protimonopolného úradu SR  
-->  
-<cpsv:PublicService rdf:about="https://data.gov.sk/id/egov/public-service/821">  
  < dct:title xml:lang="sk">Zverejňovanie informácií Protimonopolného úradu SR</ dct:title >  
  -< dct:title xml:lang="en">  
    Publication of information from the Antimonopoly Office of the Slovak Republic  
  </ dct:title >  
+< dct:description xml:lang="sk"></ dct:description >  
  < dcat:keyword xml:lang="sk">zverejňovanie informácií</ dcat:keyword >  
  < dcat:keyword xml:lang="sk">ochrana trhu</ dcat:keyword >  
  < dcat:keyword xml:lang="sk">transparentnosť</ dcat:keyword >  
  < dcat:keyword xml:lang="en">transparency</ dcat:keyword >  
  < dcat:keyword xml:lang="en">market protection</ dcat:keyword >  
  < dct:language rdf:resource="http://publications.europa.eu/resource/authority/language/SK"/>  
  < adms:status rdf:resource="http://purl.org/adms/status/Active"/>  
-< cv:isGroupedBy >  
  -< cv:BusinessEvent rdf:about="https://data.gov.sk/def/egov/event-type/003">  
    < dct:type rdf:resource="https://data.gov.sk/def/business-event-type/doing-bussiness"/>  
    -< dct:title xml:lang="sk">  
      Iná podpora, slobodný prístup k informáciám, prístup k odtajneným skutočnostiam, archívy  
    </ dct:title >  
    < dct:title xml:lang="en">Free access to information</ dct:title >  
    < dct:publisher rdf:resource="https://data.gov.sk/id/legal-subject/00305022"/>  
    < skos:broaderTransitive rdf:resource="https://data.gov.sk/def/life-situation-scope/B01"/>  
  -< adms:identifier >
```

3. Explicit examples

Public Service
821

UML

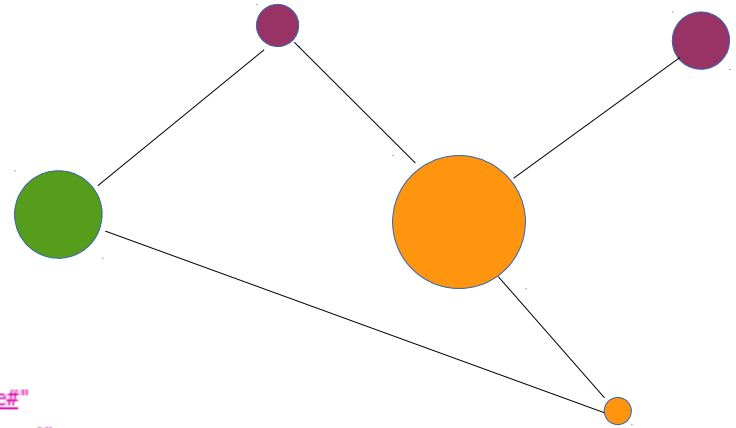


3. Explicit examples

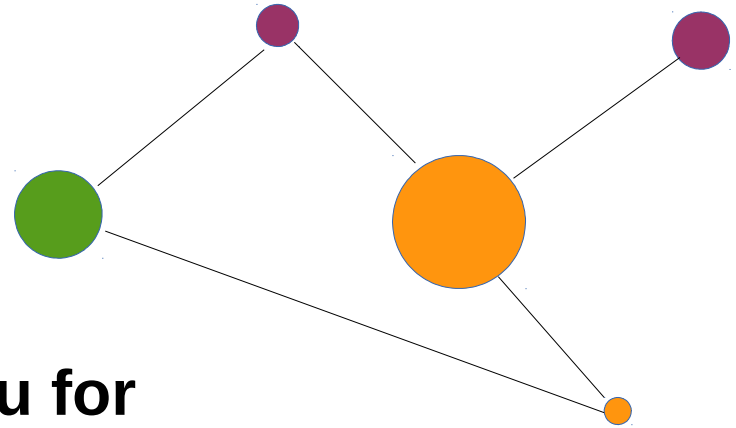
Public Service
821

JSON-LD

▼ @context:	
schema:	"http://schema.org/"
adms:	"http://www.w3.org/ns/adms#"
dct:	"http://purl.org/dc/terms/"
skos:	"http://www.w3.org/2004/02/skos/core#"
egov:	"https://data.gov.sk/def/ontology/egov/"
rdf:	"http://www.w3.org/1999/02/22-rdf-syntax-ns#"
rdfs:	"http://www.w3.org/2000/01/rdf-schema#"
dcat:	"http://www.w3.org/ns/dcat#"
cv:	"http://data.europa.eu/m8q/"
cpsv:	"http://purl.org/vocab/cpsv#"
@id:	"https://data.gov.sk/id/egov/public-service/821"
@type:	"http://purl.org/vocab/cpsv#PublicService"
dct:title:	"Zverejňovanie informácií Protimonopolného úradu SR"
▼ dct:description:	"Služba sprístupňuje tlačové správy, oznámenia o koncentracii, usmernenia a pokyny úradu, iniciatív internetovej stránky úradu."
dcat:keyword:	"market protection"
▼ dct:language:	"http://publications.europa.eu/resource/authority/language/SK"
adms:status:	"http://purl.org/adms/status/Active"
cv:isGroupedBy:	"https://data.gov.sk/def/life-situation-type/055"
cv:sector:	"http://ec.europa.eu/eurostat/ramon/nace-rev2/84.2"
▼ dct:type:	"https://data.gov.sk/def/government-function-type/04.1"
▼ dct:spatial:	"http://publications.europa.eu/resource/authority/country/SVK"
cv:hasCompetentAuthority:	"https://data.gov.sk/id/legal-subject/00699063"
▼ cpsv:hasInput:	
▼ @id:	"https://data.gov.sk/id/egov/eform/00699063.ZiadostPoskytnutieInformacii.SK"
dct:type:	"https://data.gov.sk/def/ontology/egov/EForm"
rdf:type:	"http://data.europa.eu/m8q/Evidence"



<https://metais.finance.gov.sk/publicspace?pageId=24946530>



**Thank you for
your attention**

<https://joinup.ec.europa.eu/page/miroslav-liska>



SEMIC2018

The Central Ontological Model for Base Registries Data in Slovakia
Miroslav Liska, Slovakia