

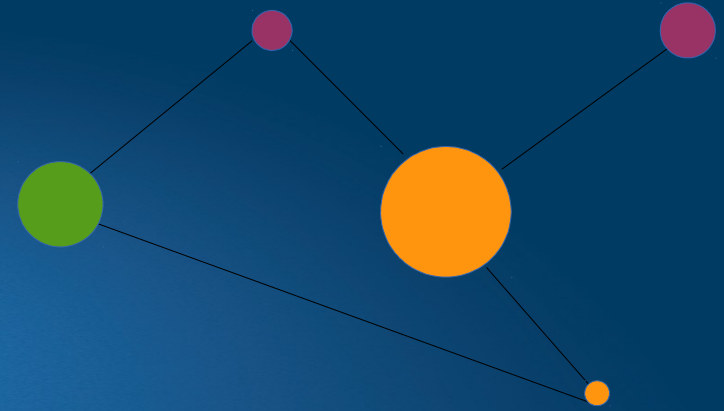
Slovak Public Metadata Governance and Management based on Linked Data

A Proposal of transposition of Methodology and tools for Metadata Governance and Management for EU Institutions and Member States to Slovak Republic

Miroslav Líška, Marek Šurek
2017-09-08

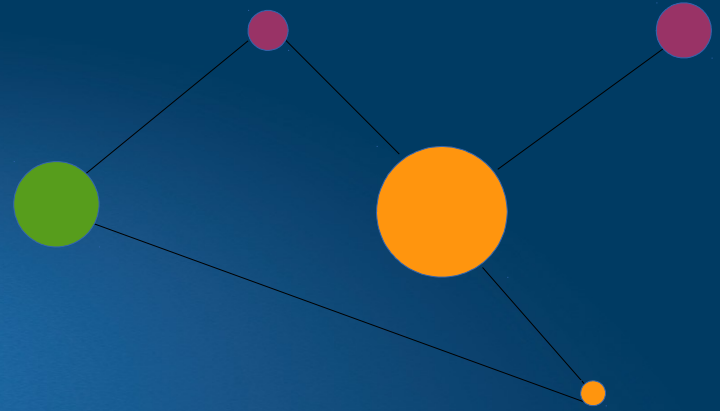
SEMANTICS
Amsterdam 2017

Agenda



1. Public LinkedData Governance

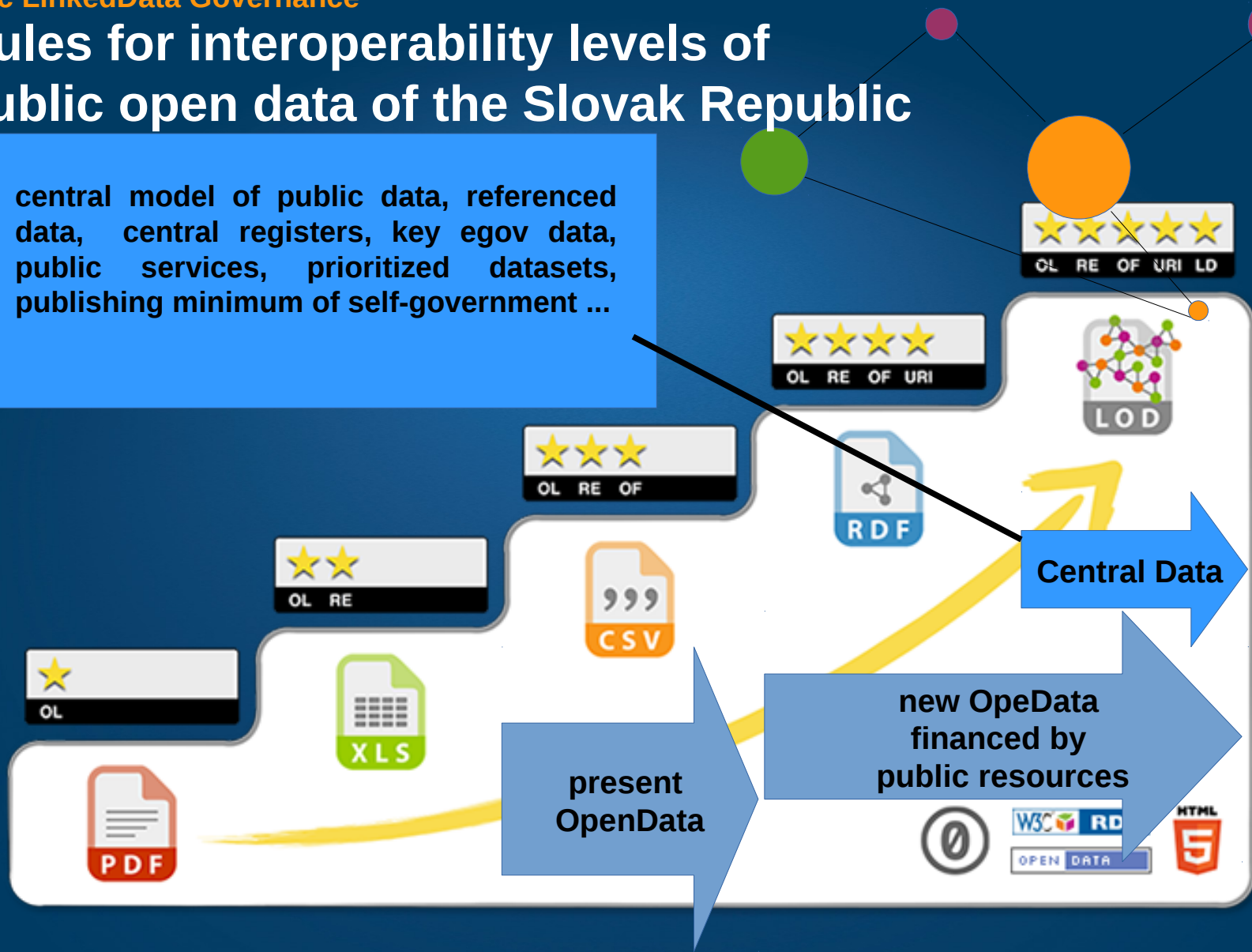
2. Public LinkedData Management



Part I.
Public LinkedData Governance

Rules for interoperability levels of public open data of the Slovak Republic

central model of public data, referenced data, central registers, key egov data, public services, prioritized datasets, publishing minimum of self-government ...



Rules for valid URI of SK public resource

4★ [public-office].sk
5★ data.gov.sk

`https://[domain]/[type]/[classification]+/[identity](/[version])?([pathToFile])?`

def - definition
id – individual
set – dataset
doc - document

examples

Location Ontology

<https://data.gov.sk/def/ontology/location>

Štefanovičova Street

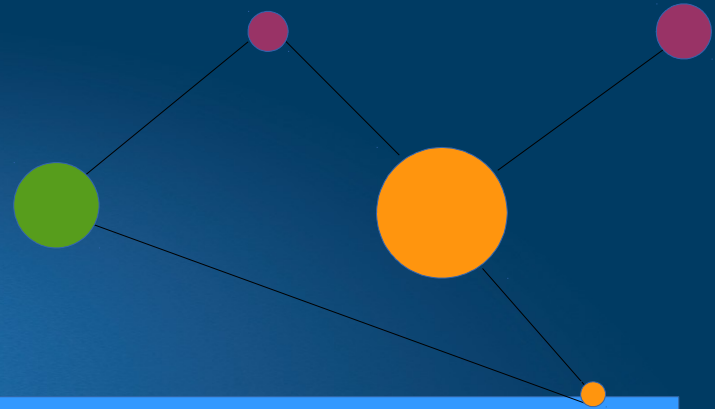
<https://data.gov.sk/id/street/39124>

SK Municipalities

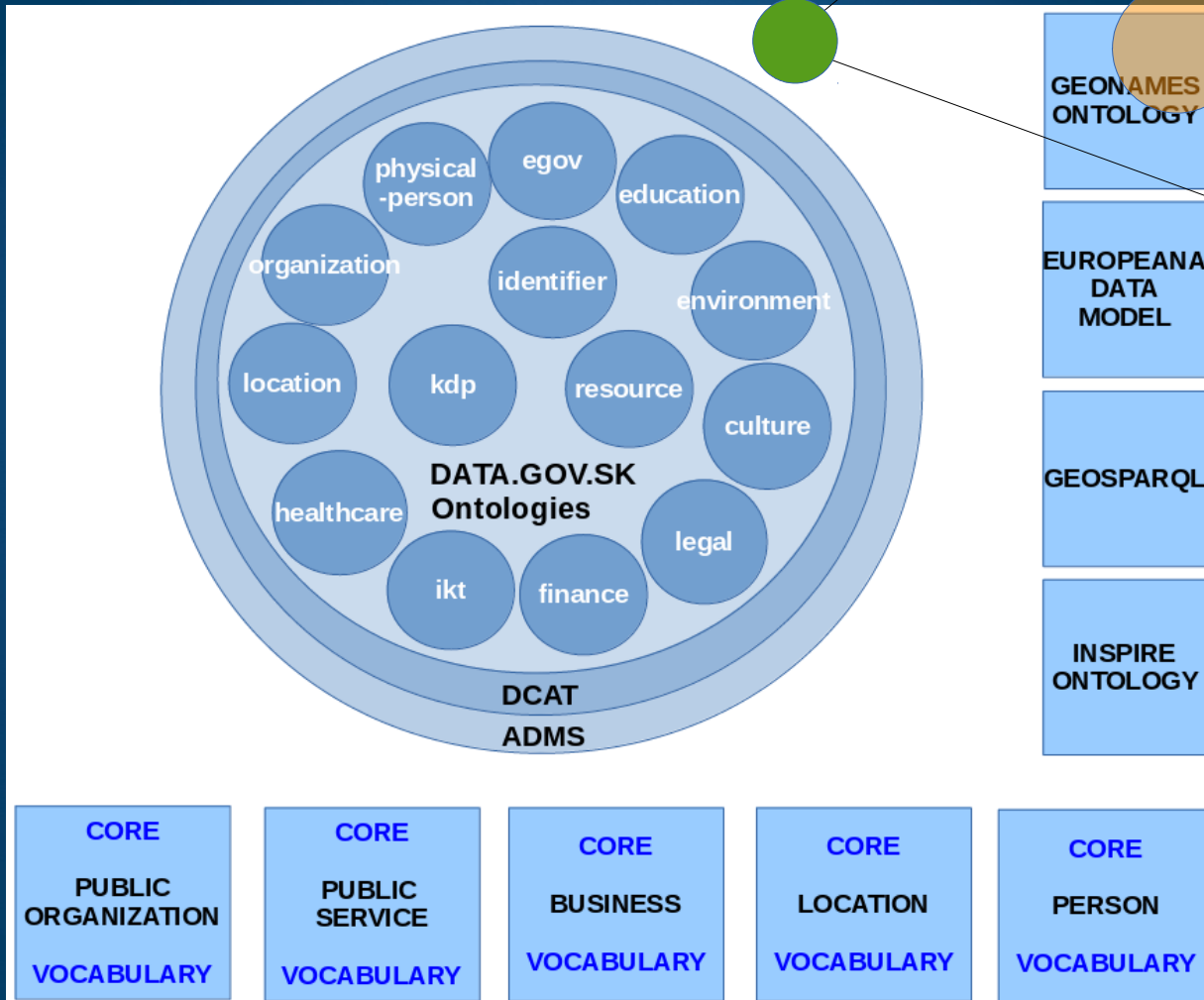
<https://data.gov.sk/set/codelist/CL0025>

XSD scheme of an eform

<https://data.gov.sk/doc/egov/eform/84577/1.1/schema.xsd>



Central Ontological Model of Public Data



Governance Structure



Steering Committee	UPVII:K9.4 Enhanced Data
Governance Committee	UPVII:Central data office + UPVII:PS1
Operational team	UPVII:Central data office

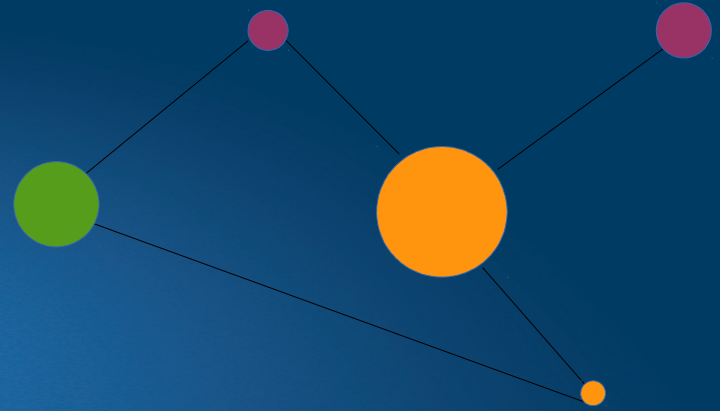
Head of data office
Central Ontological Model Administrator
Central Data Catalog Administrator
URI Administrator

Data interoperability

Data quality

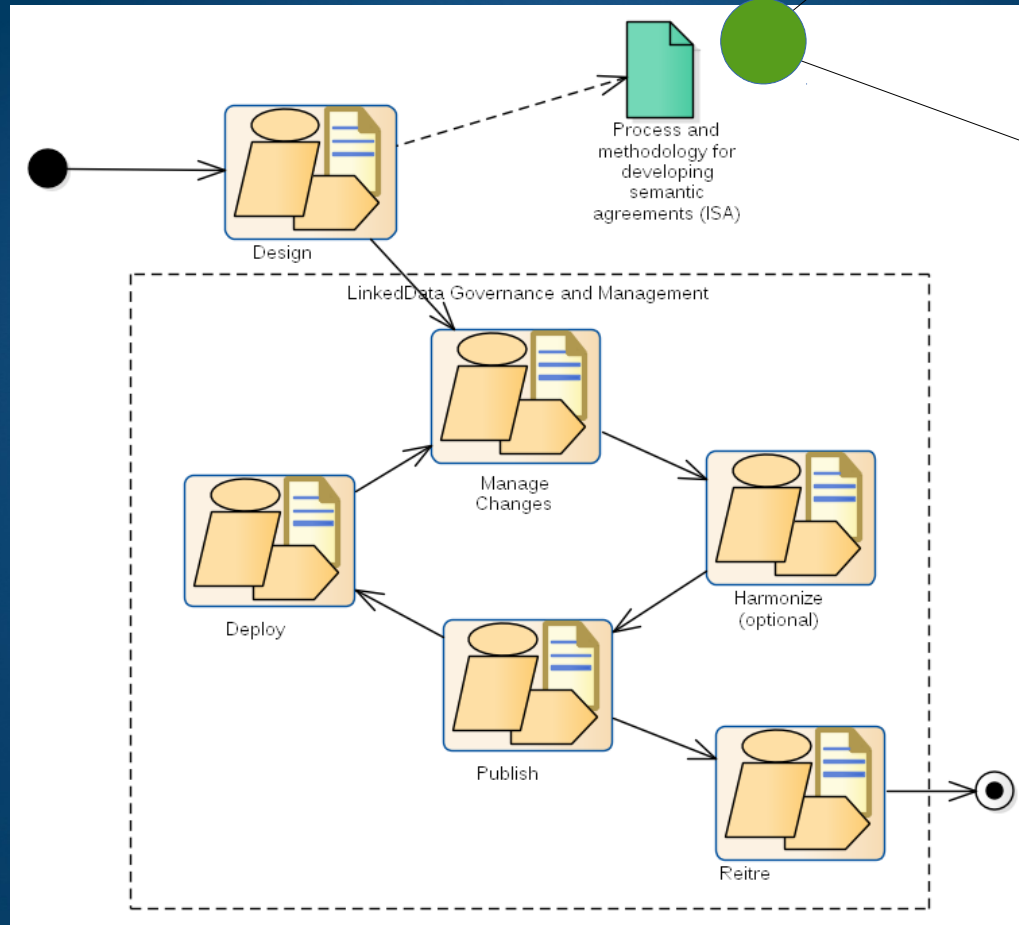
Present LinkedData standards in SR

- **National Strategic Priority – Enhanced data**
Goal: Using LinkedData, Central Ontological Model & URI registration. APPROVED 2.3.2017
- **Checklist for Feasibility studies for PublicIS**
Duty to use URIs and Central Ontological Model. APPROVED 17.5.2017
- **Rules for valid URI creation that represents public resource.** APPROVED 12.6.2017
- **Central Ontological Model of Public Data I.** APPROVED 12.6.2017
- **National Strategic Priority – Open data**
Rules for interoperability levels of open public data. APPROVED PLAN 09.2017



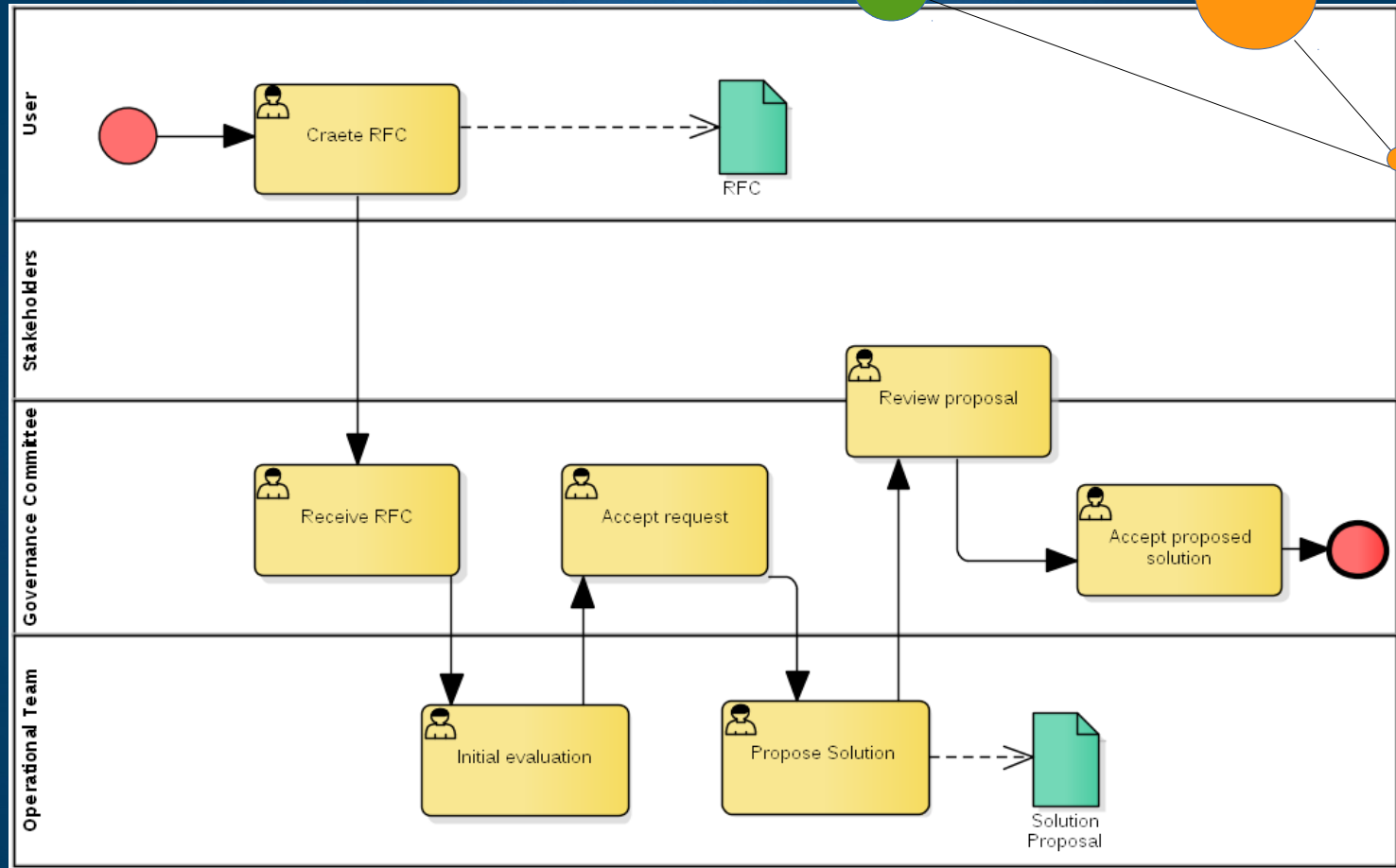
Part II. Public LinkedData Management

LinkedData Management Lifecycle



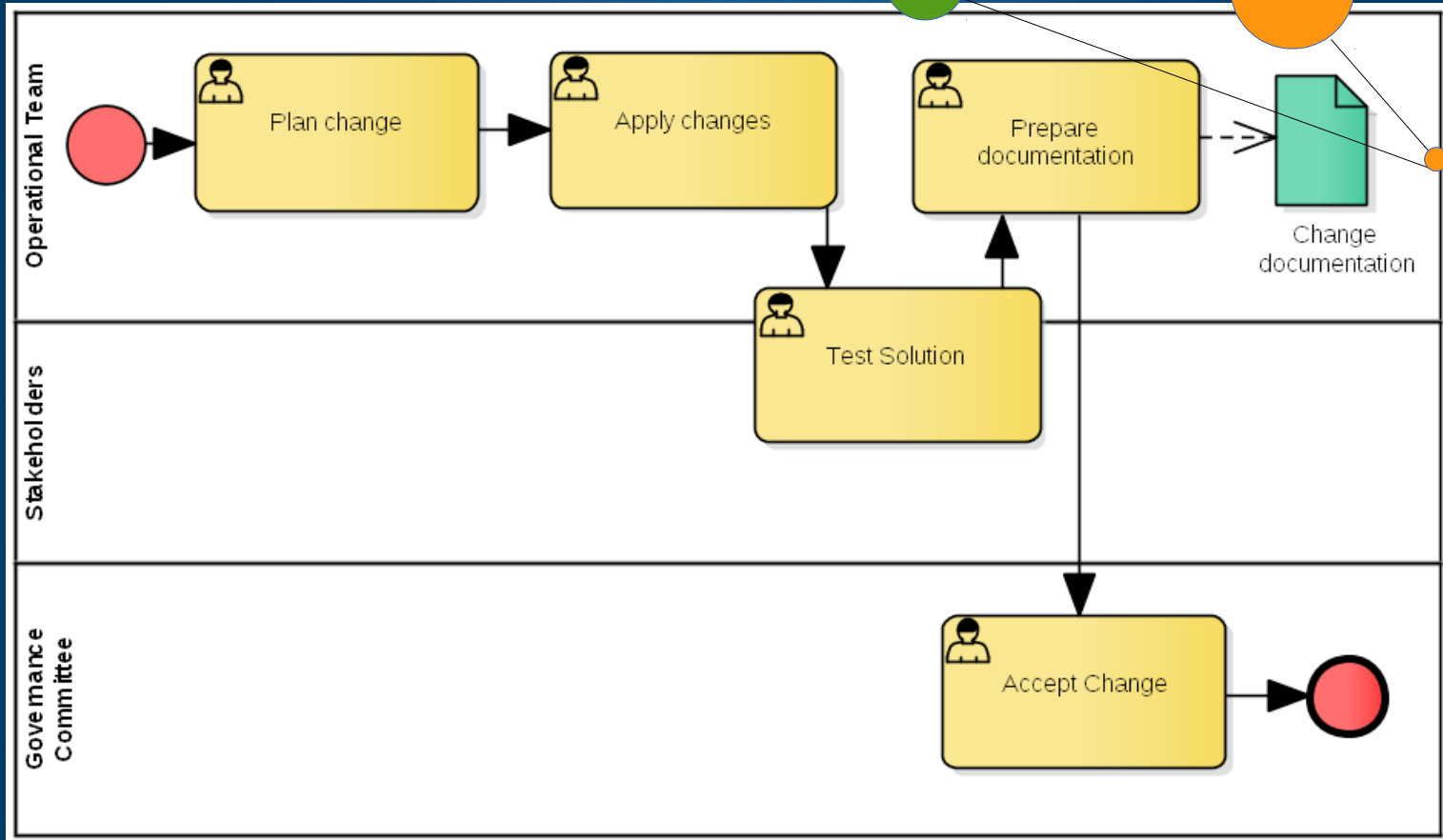
Manage Changes

- Manage Change Requests

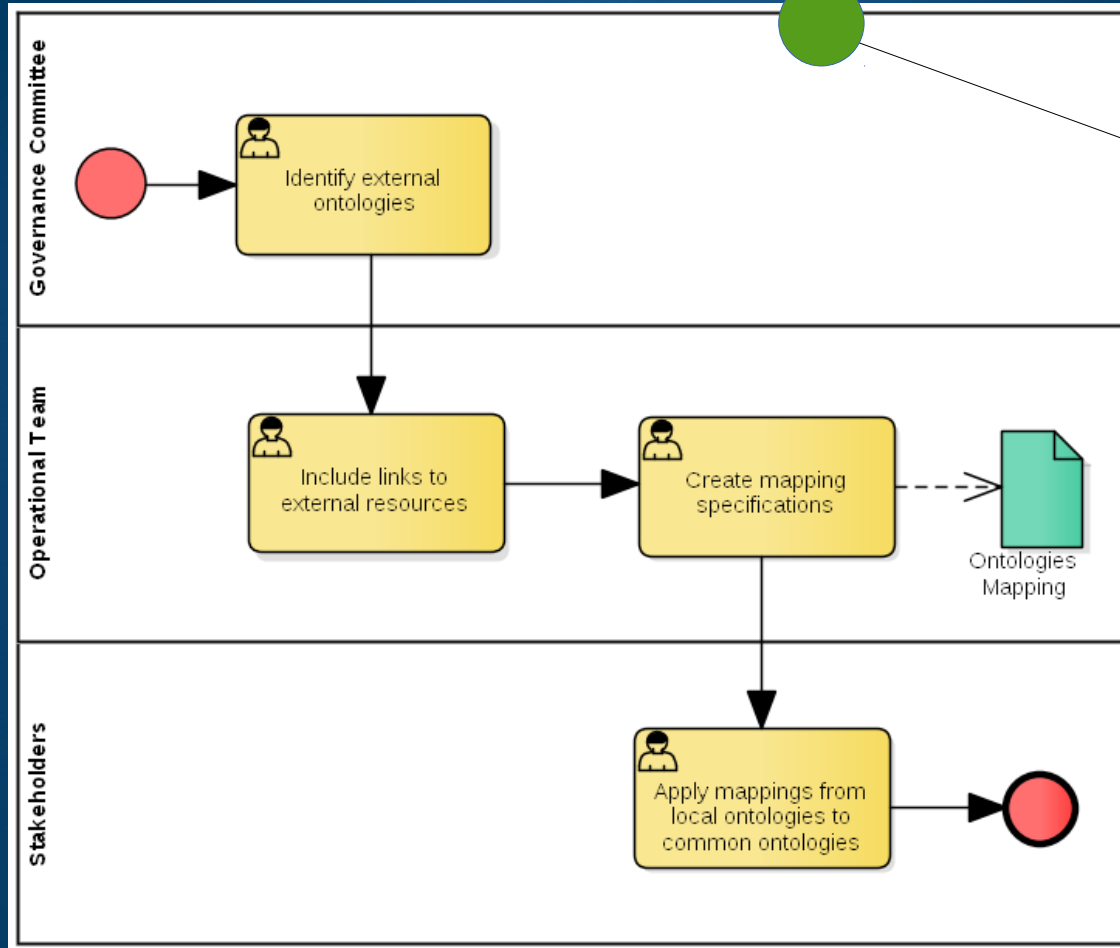


Manage Changes

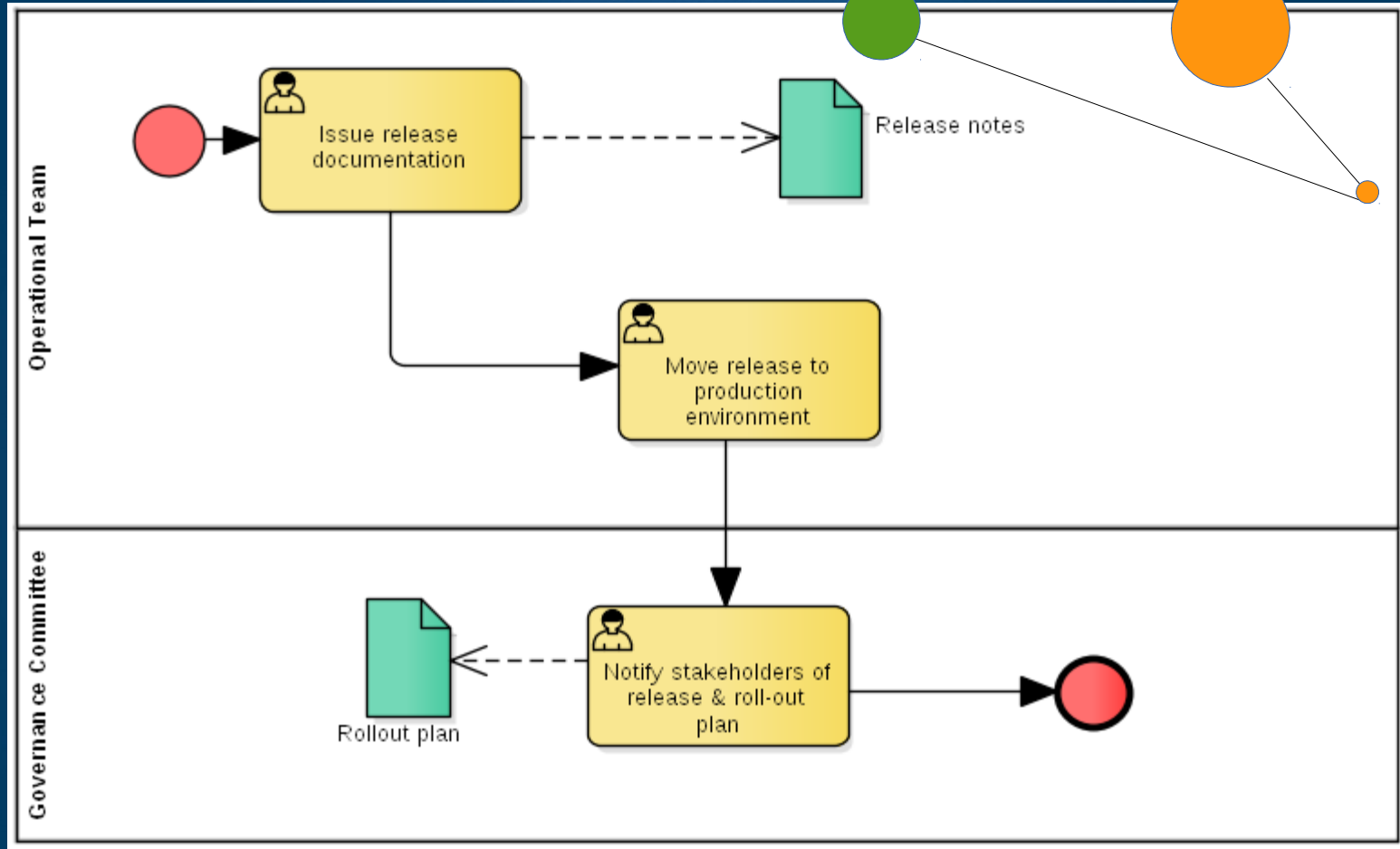
- Manage Change Release



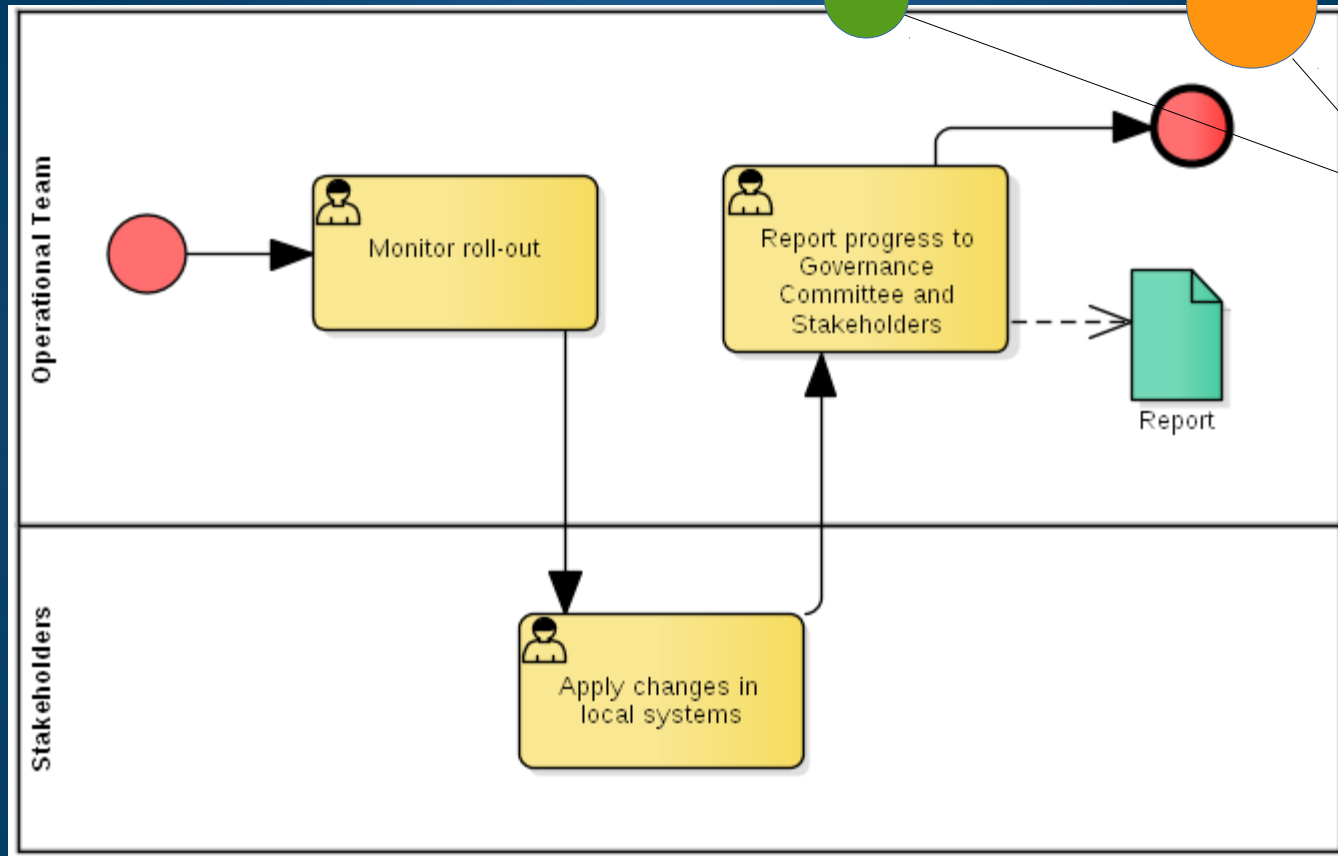
Harmonise Ontologies and URIs



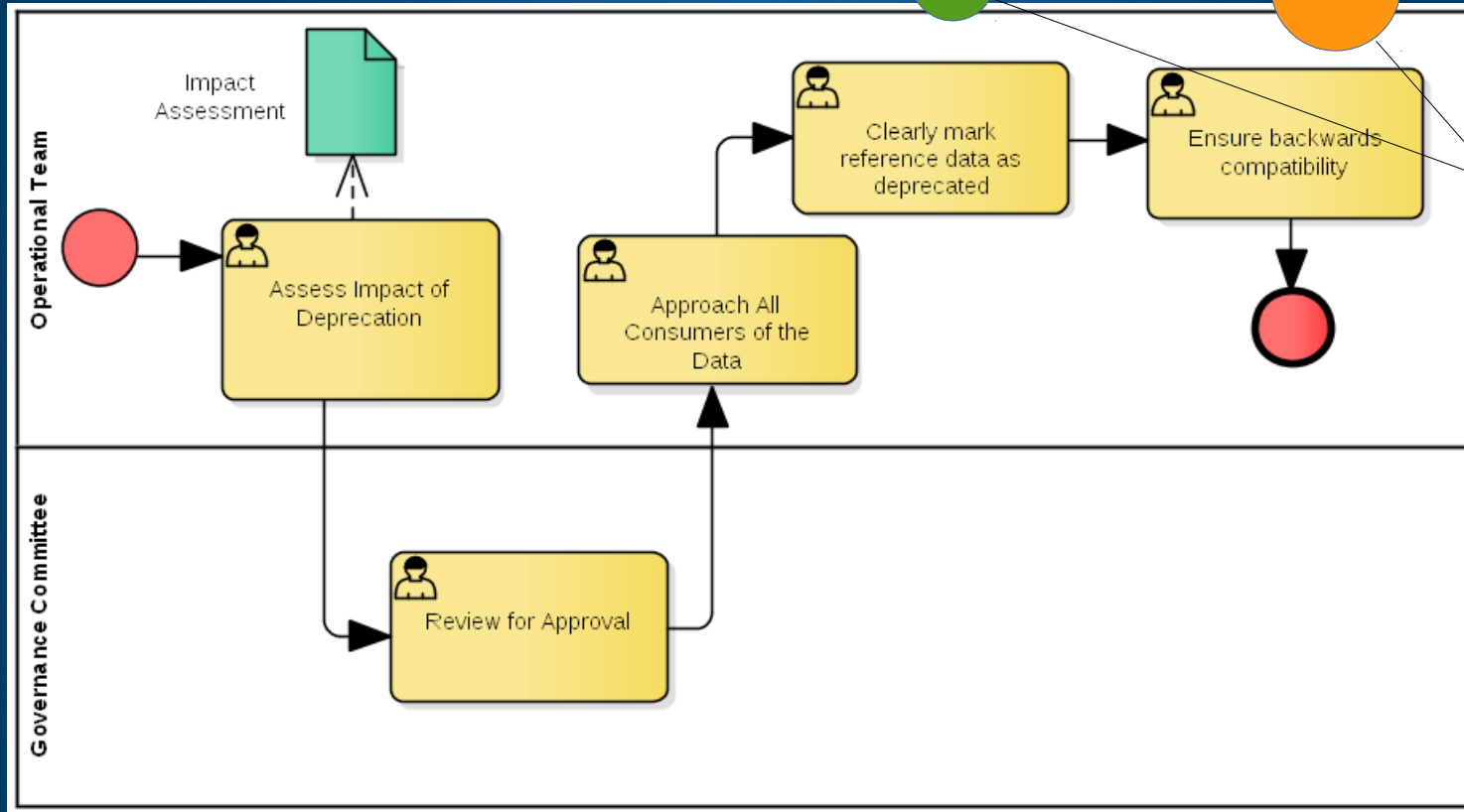
Publish Ontologies and URIs

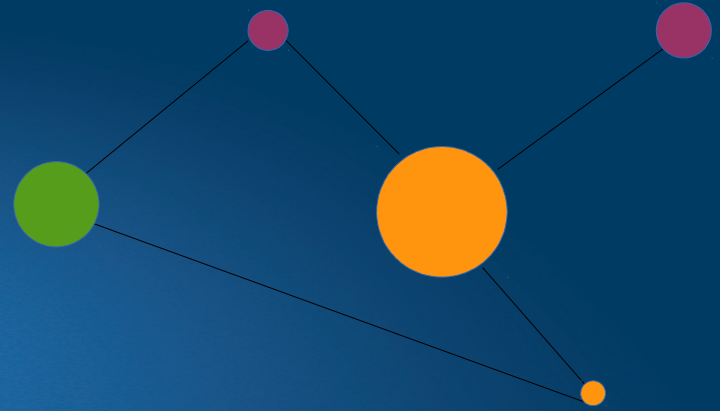


Deploy Ontologies and URIs



Retire Ontologies and URIs





Thank you for your attention