



Ontological Engineering

Asunción Gómez Pérez

asun@fi.upm.es

ETSI Informaticos

Universidad Politécnica de Madrid

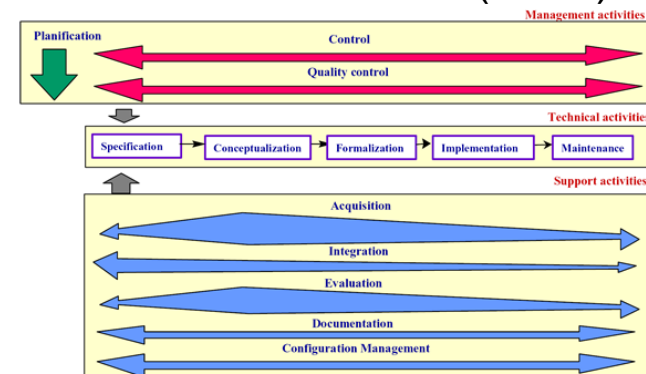
Campus de Montegancedo s/n

28660 Boadilla del Monte, Madrid, Spain

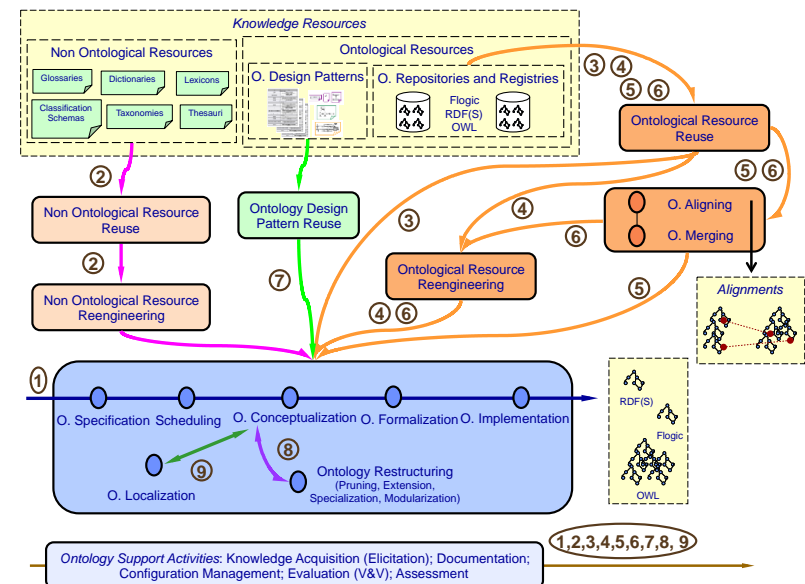
• METHONTOLOGY and NeOn methodologies for building Networks of Ontologies

- Scheduling
- Requirement Specification
- Reuse
- Non Ontological Resource Reuse and Reengineering
- Localization
- Mapping
- Ontology Design Patterns
- Change Propagation

METHONTOLOGY (1997)



NeOn (2010)



- **Ontology evaluation**

- OOPS! Ontology Pitfall Scanner
<http://oops.linkeddata.es/>



- **Vocabulary documentation**

- HTML: Widoco
<https://github.com/dgarijo/Widoco/>
- Diagrams: AR2DTool
<http://ar2dtool.linkeddata.es/>

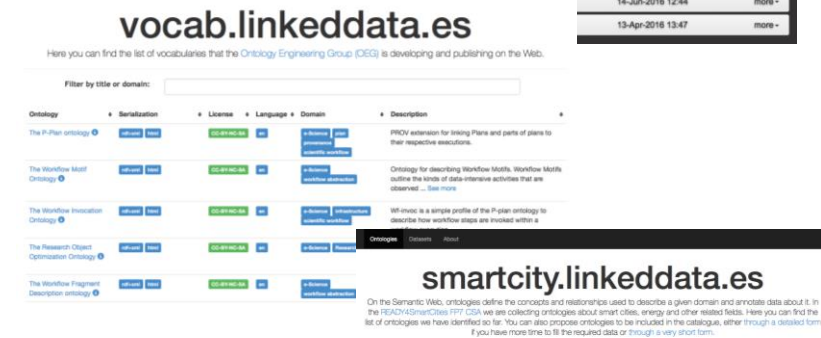
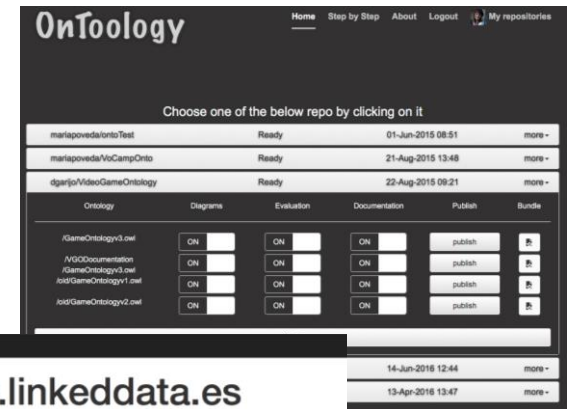


- **Vocabulary distributed development**

- OnToolology <http://ontology.linkeddata.es/>

- **Vocabulary registry**

- OEG vocabularies
<http://vocab.linkeddata.es/>
- Smart Cities <http://smartcity.linkeddata.es/>



smartcity.linkeddata.es

Ontologies

Along the catalogue the following code is used to represent different information. Furthermore, in addition to the color each cell contains detailed information when available.

🟢 Available online 🟡 Available online 🟠 Available online 🟤 Available online 🟦 Available online 🟩 Available online 🟪 Available online 🟫 Available online

The first column of indicators shows whether the ontology is available online in RDF or HTML format. For each format, RDF or HTML, we use the following colors and text tags: 🟢 for "Content negotiation OK" if the corresponding content can be retrieved in the given format according to content negotiation best practices for publishing RDF documents, 🟡 for "No Content negotiation" if the content can be retrieved even though no content negotiation mechanisms are properly set up, and 🟠 for "Not Available" if the content can not be retrieved.

Filter by domain:

Ontology	Online Availability (RDF/HTML)	Open License	Ontology Language	Symbol	Domain	Natural Language
The VIOC PRIOV Ontology	🟢	CC-BY-NC-SA	RDF	🔗	Planning	en
COING Subling Information Model (COING)	🟢	CC-BY-NC-SA	RDF	🔗	Information	en
COING Subling Information Model (COING)	🟢	CC-BY-NC-SA	RDF	🔗	Information	en
COING Subling Information Model (COING)	🟢	CC-BY-NC-SA	RDF	🔗	Information	en
COING Subling Information Model (COING)	🟢	CC-BY-NC-SA	RDF	🔗	Information	en