









Smart Cities (READY4SmartCities)

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READY4SmartCities

READY4SmartCities project contributes in creating a common approach on Smart Cities.

In co-operation with different stakeholders (engineering specialists, ICT and RES providers, energy companies) the **main goals** are:

- To deliver a new data ecosystem that will accommodate cross-domain data and will allow the exploitation of such data at global scale
- To identify an holistic and shared vision, allowing feasible step-by-step action plans for relevant stakeholder groups to develop and use ICT-based solutions for energy system in urban and rural communities towards future Smart Cities
- To identify a set of ontologies relevant to Smart Cities and the different requirements and guidelines on how to use data described according to those ontologies



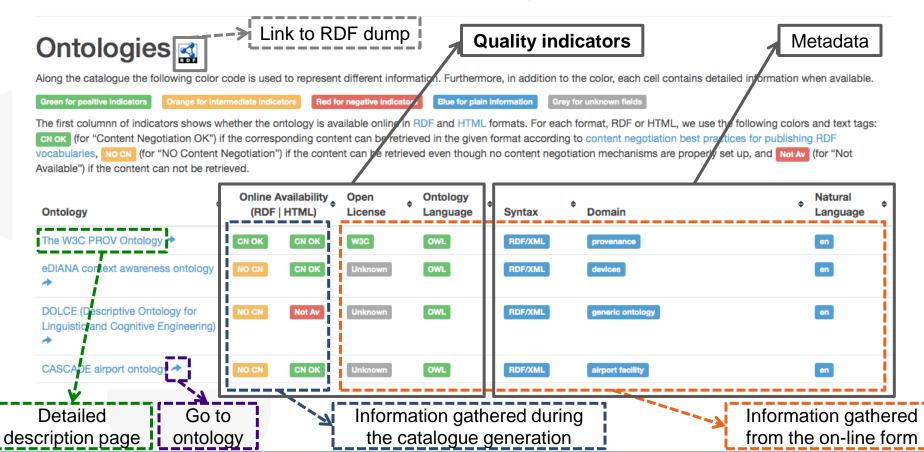
Motivation for an eeOntology Catalogue

- Facilitate ontology reuse
 - There are many ontologies (and other resources) useful to describe energy and cross-domain data
- One place to discover ontologies
 - It is not trivial to find them
- Specific for energy efficiency and smart cities
 - Search engines and ontology registries are too general or off-topic (biology, environment, etc.)
- Ontology assessment
 - The quality of ontologies in the Web is unknown



smartcity.linkeddata.es

On the Semantic Web, ontologies define the concepts and relationships used to describe a given domain and annotate data about it. In the READY4SmartCities FP7 CSA we are collecting ontologies about smart cities, energy and other related fields. Here you can find the list of ontologies we have identified so far. You can also propose ontologies to be included in the catalogue, either through a detailed form if you have more time to fill the required data or through a very short form.

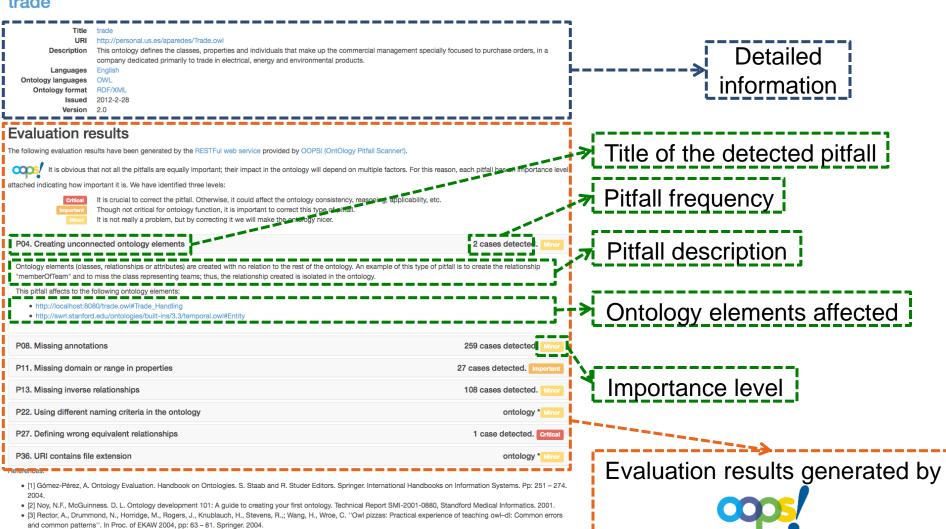


Web application - Details of an ontology

http://oops.linkeddata.es

Datasets

trade



• [4] Hogan, A., Harth, A., Passant, A., Decker, S., Polleres, A. Weaving the Pedantic Web. Linked Data on the Web Workshop LDOW2010 at WWW2010 (2010).

• [6] Heath, T., Bizer, C.: Linked data: Evolving the Web into a global data space (1st edition). Morgan & Claypool (2011).

• [5] Archer, P., Goedertier, S., and Loutas, N. D7.1.3 - Study on persistent URIs, with identification of best practices and recommendations on the topic for the MSs and the EC.

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