



Government Linked Data Research Projects in Spain

W3C GLD WG F2F1

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Credits to the OEG members involved in LD Initiatives

- Introduction
- GLD Initiatives
 - GeoLinkedData – Spanish National Geographic Institute
 - BNE – Spanish National Library
 - AEMET - Spanish Meteorological Agency
- Next steps

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- The Ontology Engineering Group is promoting the application of Linked Data in Spain within different contexts from several Organizations,



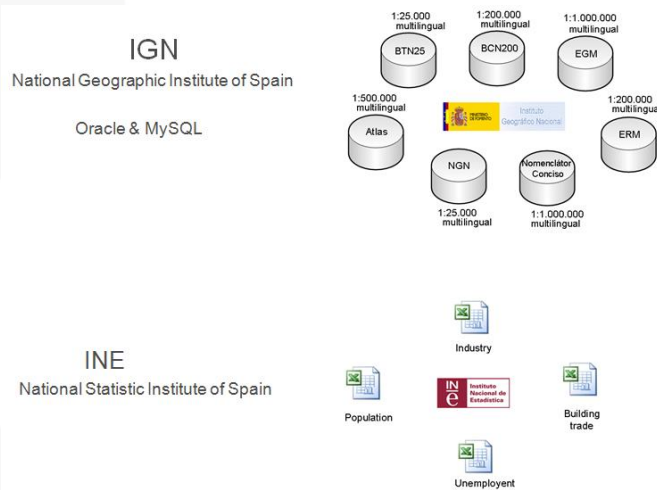
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- An open initiative whose aim is to enrich the Web of Data with Spanish geospatial data.
- It has started off by publishing diverse information sources, such as National Geographic Institute of Spain (IGN).

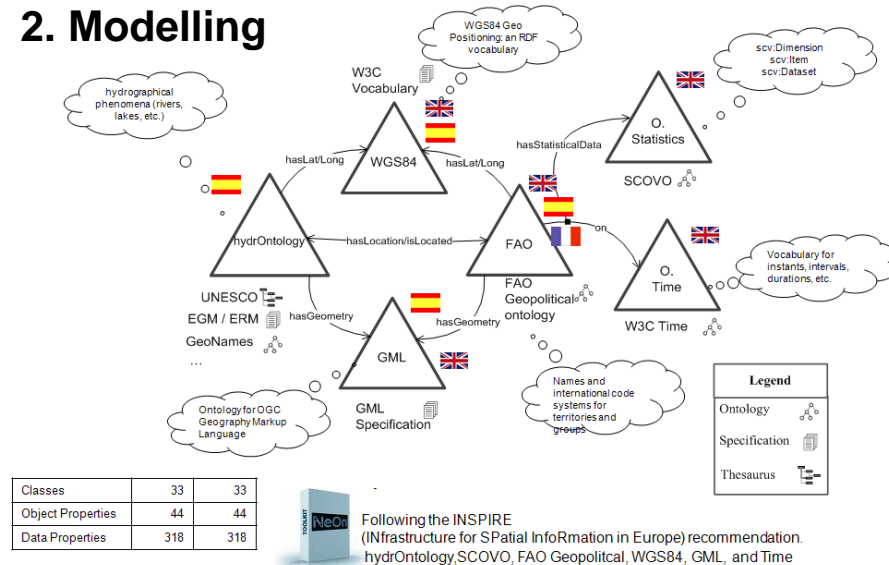


- <http://geo.linkeddata.es>
- Recently, National Statistics Institute (INE)

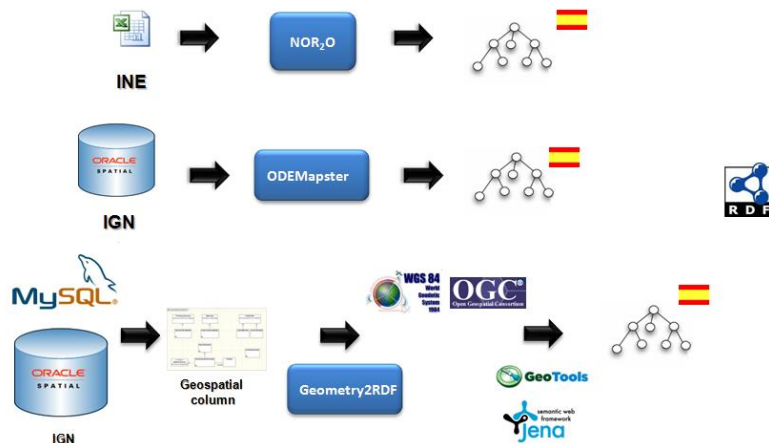
1. Identification



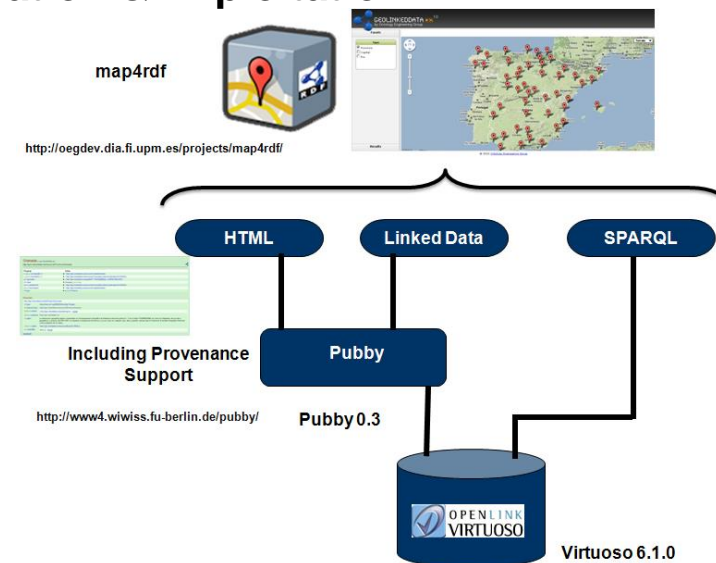
2. Modelling



3. Generation of RDF data



4. Publication & Exploitation



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- Collaboration agreement in October 2010. Spanish National Library (Biblioteca Nacional de España – BNE)
- Standards and data models
- Review other Library Linked Data initiatives, based on IFLA standards
- Selection of FRBR, FRAD e ISBD
- <http://cultura.linkeddata.es/sparql>

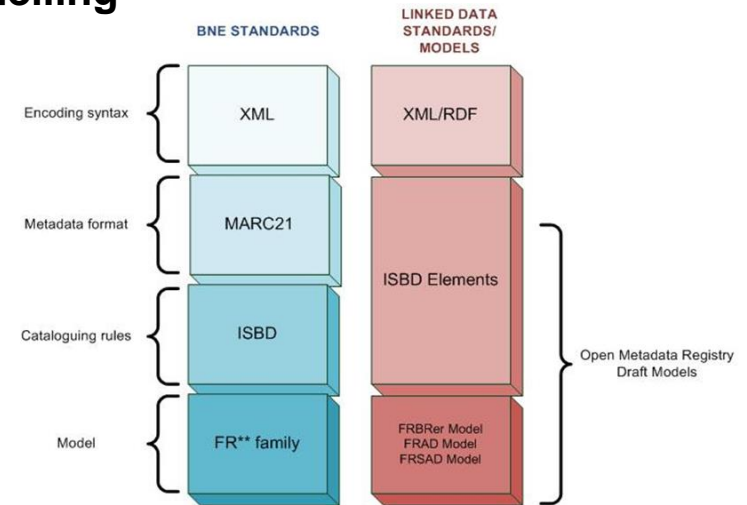
Brief description of the Process

1. Identification

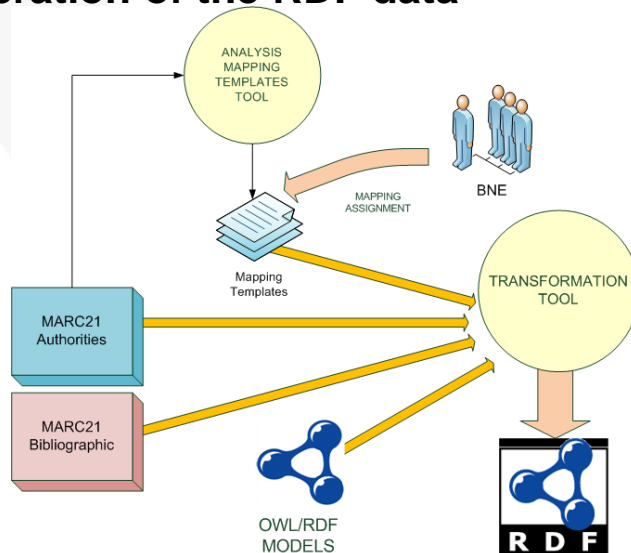


MARC 21 XML records

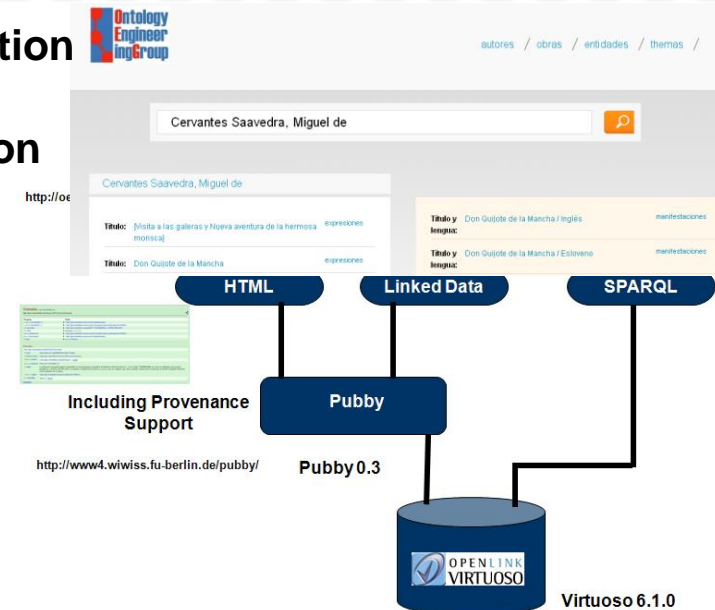
2. Modelling



3. Generation of the RDF data



4. Publication & Exploitation



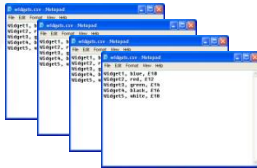
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- This initiative started off by publishing diverse information sources belonging to the Spanish Meteorological Agency (AEMET).
- 10 minute data from around 250 weather stations of the Aemet's National Surface Weather Stations Network.



- <http://aemet.linkeddata.es/>

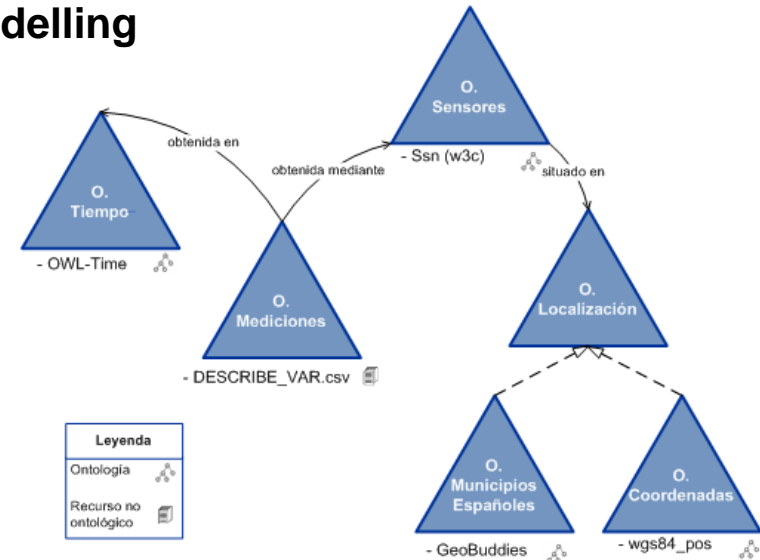
1. Identification



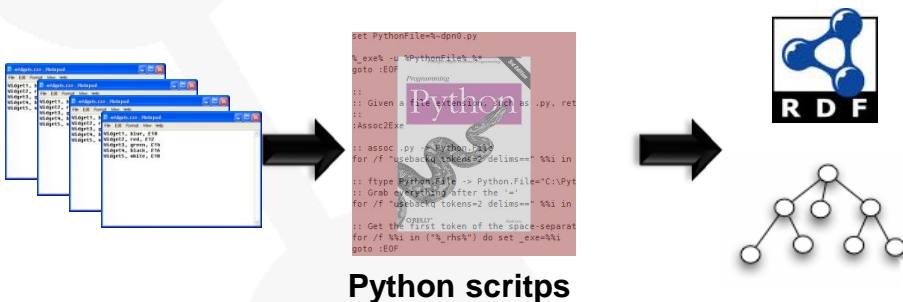
250 weather stations (pressure, humidity, etc)

Data from the stations in CSV files in a FTP server

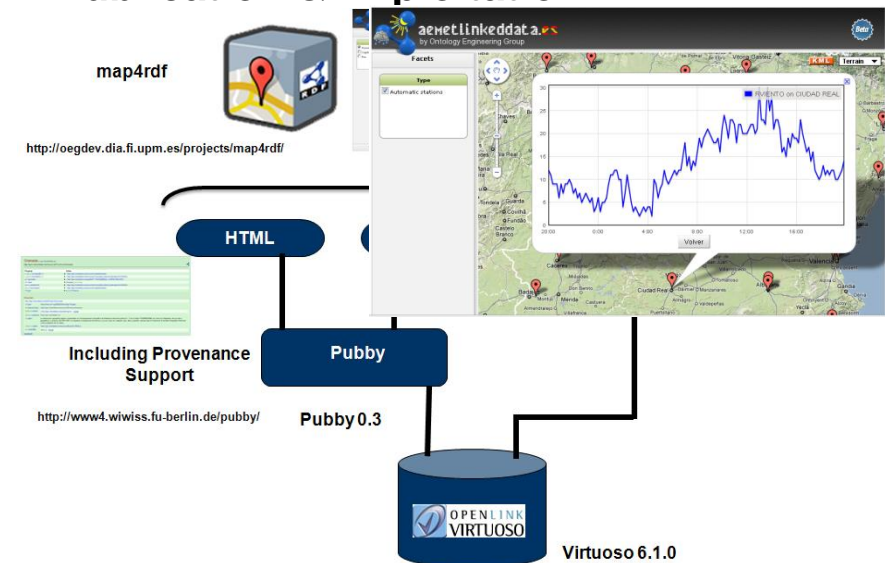
2. Modelling

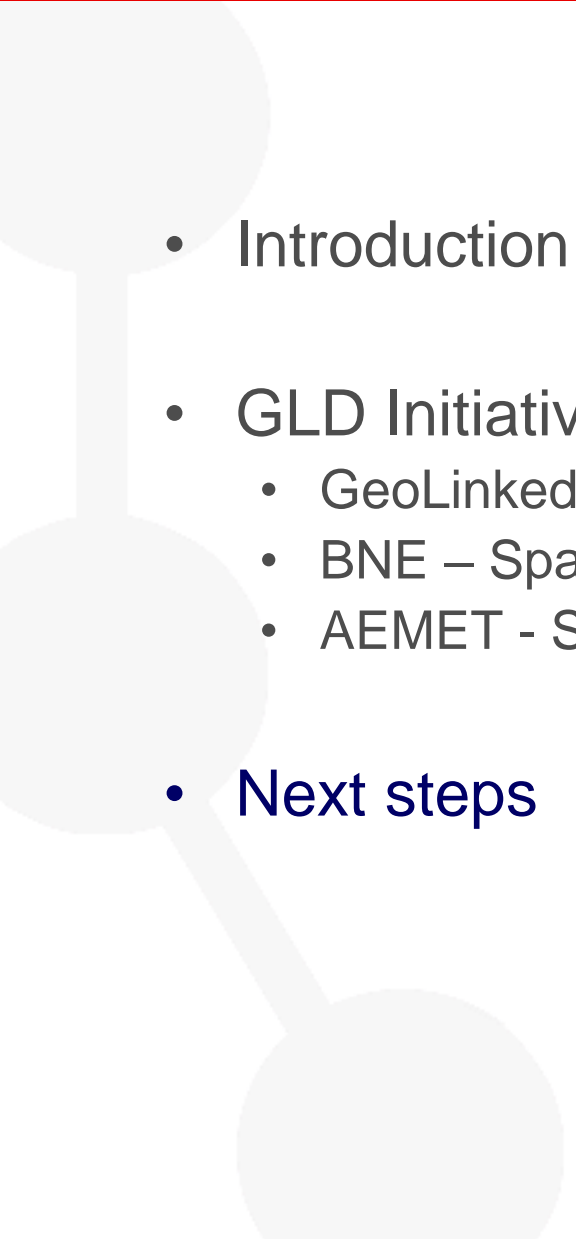


3. Generation of RDF data



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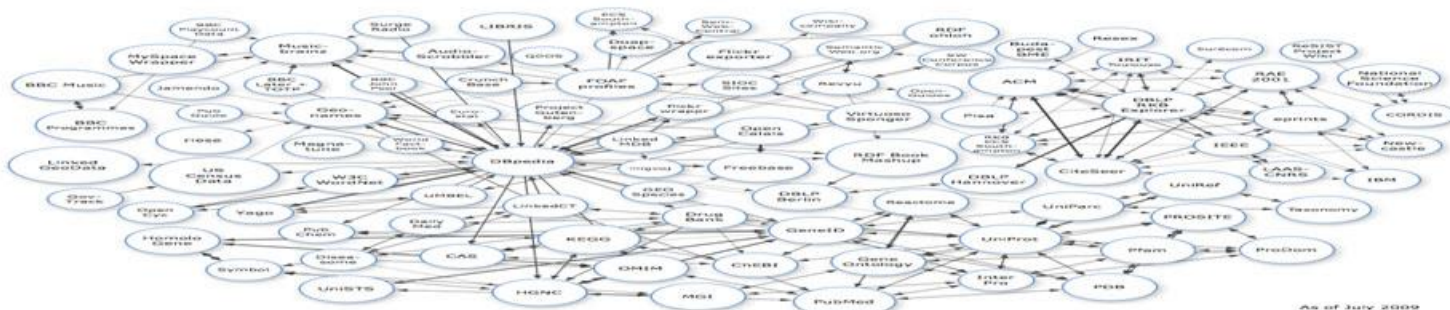


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- Exchange our experience and promote/learn best practices
- Multilingual Government Linked Data
 - Not only English, there are other languages
 - Spanish, German, French, Italian, etc.
- Datasets dynamics
- Develop applications that unlock the value of the data to provide **benefits** to citizens.

NLP + Rich client/GUI

LOD Cloud



Data sources
NORs, geo resources



Sensors



News, twitter



Services

Streaming resources

Thank
You!!



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