



MONNET

Multilingual Ontologies for Networked Knowledge

**Small or medium-scale focused research project (STREP)
ICT Call 4 (FP7-ICT-2009-4)**

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PARTICIPANTS

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Speaker: Elena Montiel-Ponsoda

Event: EVERIS

Place: UPM

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- The **Monnet project** will provide a semantics-based solution for integrated information access across language barriers.
- A key solution to this problem is to deal with information at the semantic level, allowing for more advanced and uniform:
 - i) integration,
 - ii) aggregation,
 - iii) querying, and
 - iv) presentation of information across languages

- An integrated **Ontology-Lexicon Model** that allows for associating linguistic information with ontologies to permit flexibly moving back and forth between languages in information extraction, integration and presentation.
- **Multilingual Ontology Localisation** services that allow for the automatic localisation of an ontology
- **Cross-lingual Ontology-based Information Extraction** techniques for the extraction of information from documents and (semi-)structured data across languages, including semantic-level integration and representation in the ontology
- **Multilingual Knowledge Access and Visualisation** techniques based on structured information presentation (rather than full text generation), quickly customizable to different languages

High-level Overview of Monnet Architecture

