## At a Glance

**Project reference**
231875

**Project Coordinator**
ILOG

**Start Date**
2009-01-01

**End Date**
2011-12-31

**Duration**
36 months.

**Project Cost**
8 M €

**Project Funding**
5.4 M €

**Category**
Integrating Project

**Research Area**
FP7-ICT-2007.4.4

*Intelligent content and semantics*

e: *Semantic foundations*

f: *Advanced knowledge management systems*

## Consortium

ILOG (FR)

Ontoprise (DE)

FUB (IT)

PNA (NL)

TUWIEN (AT)

Paris13 (FR)

CTIC (ES)

Audi (DE)

ArcelorMittal (ES)


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# ONTORULE

***"ONTOlogies meet Business RULEs"***

ONTORULE

Ontologies meet Business Rules

www.ontorule-project.eu

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***Leading vendors of knowledge based systems and a handful of top research institutions join their efforts to develop the technology that will empower business professionals in the enterprise of the future.***

***Two large companies are the test-beds that ensure the success and business impact of the technology produced by ONTORULE.***

# Motivation

The integration of all the required pieces of **knowledge** and **technology**, including some that will need be researched and developed within the project, to allow exactly:

- the **acquisition** of **business ontologies** and **rules** from the most aprópiate sources, first and for all **business professionals** but also **natural language documents**;
- their **separate management** and **maintenance**; and
- their **transparent operationalisation in IT applications**.

# The ONTORULE Approach

The aim of **ONTORULE** is to **enable the right people to interact in their own way with the right part of their business application**: different people with different requirements and background, ranging from business executives to IT developers, have to interact in different ways with different aspects of a business application, to use, control and manage it.

**ONTORULE** believes that this can be achieved by cleanly separating the domain ontology from the actual business rules; and the representation of the knowledge from its IT implementation.

The vocabulary required to express the **business rules**, and the underlying **ontology**, must be **acquired from the natural language sources**; the **rules** must be authored, using that vocabulary, by the owner of the business policies; the data models for the IT applications must be designed by IT developers based on the application requirements.

**The relevant people in the organisation must be able to manage and maintain ontologies, business rules and data models separately**, without having to care about maintaining the others items. To implement the rules in the business application, the ontology must be mapped onto the application's data model and the rules operationalized accordingly.

# Scientific and Technical

Objective 1: **integrating** modelling and **acquisition** based on the OMG SBVR standard and NLP technology

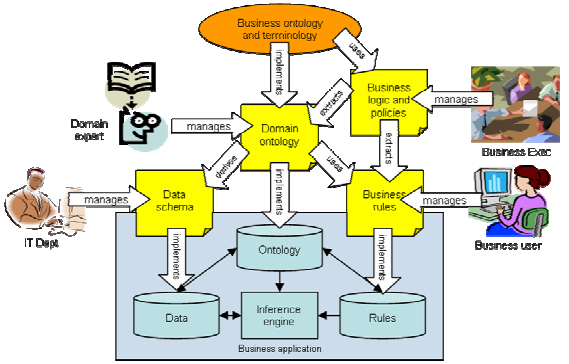
Objective 2: **usable** integrated ownership and management systems

Objective 3: **efficient** combined execution and inference engines

Objective 4: appropriate **standards**

Objective 5: **end-to end** pilot applications

# ONTORULE Vision




The ONTORULE high-level architecture

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