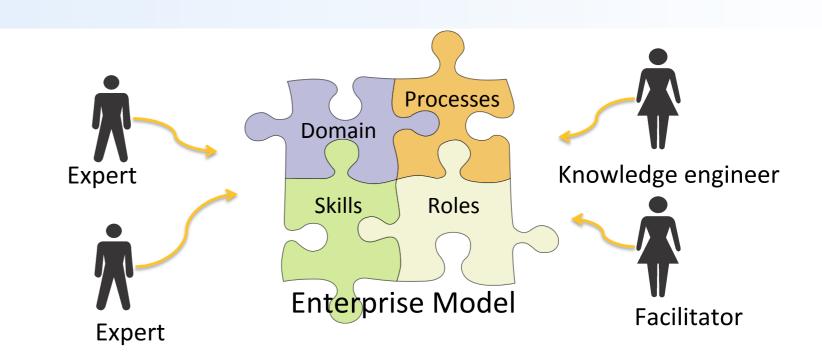


MoKi: the Modelling Wiki

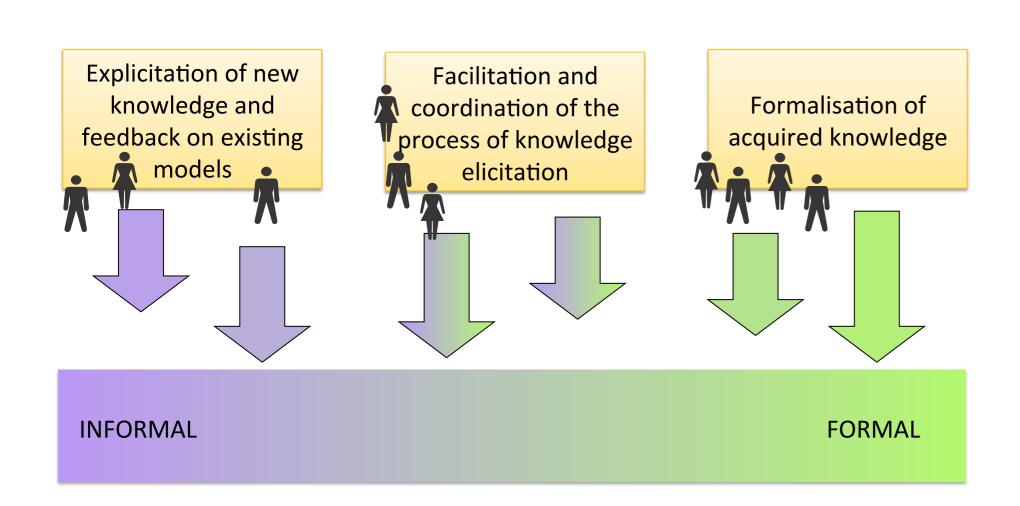
Chiara Ghidini¹, Barbara Kump², Stefanie Lindstaedt³, Nahid Mahbub¹, Viktoria Pammer², Marco Rospocher¹, Luciano Serafini¹

Enterprise modelling:

- Creates a structured description of different aspects of an enterprise (business domain, processes, goals, ...) and their mutual relations
- Requires specific modelling skills and involves a team of modellers
- Is a truly collaborative activity carried out under some collaborative protocol



Our asynchronous collaborative approach:



- Asynchronous collaboration of all the actors, who can:
 - insert knowledge
 - o transform knowledge
 - o revise knowledge
- Concurrent specification at different degrees of formality
- Automatic translation
 - o from the informal specification to a formal model

edit

Modify Concept: Workshop

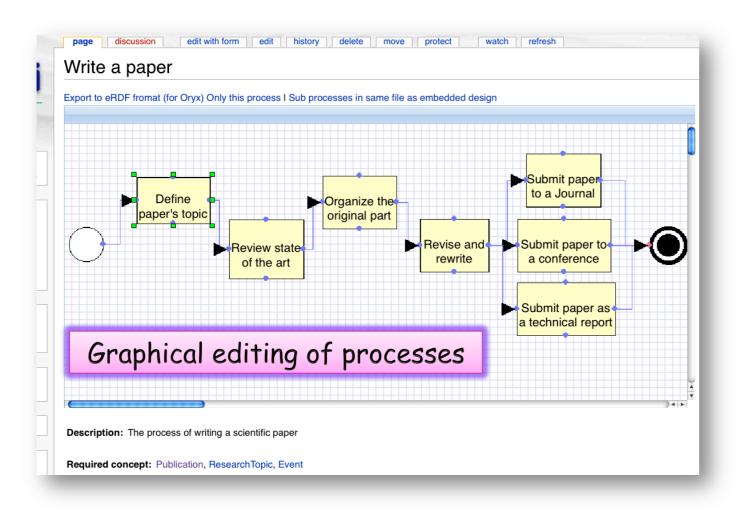
o and vice-versa

MoKi - the Modelling wiKi:

- Supports the construction of integrated domain and process models
- Each element of the formal model is described, in an informal but structured way, in a wiki page

Current features:

- Easy editing of a wiki page by means of forms
- Different import functionalities:
 - Automatic import of OWL models
 - Easy import of lists of elements organized according to predefined semantic structures (taxonomy or partonomy)
 - Term extraction functionality
- Graphical browsing/editing of the domain and process models
- Hints for revision support
- Automatic export to OWL





Usage of MoKi:

- Six medium sized enterprise models in the EU-project APOSDLE (www.aposdle.org)
- Evaluation of MoKi ongoing at the Joint European Summer School on Technology Enhanced Learning 2009
- CLIP-MoKi: modeling of medical guidelines encoded in ASBRU
- BP-MoKi: modelling of semantically annotated business processes

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