MoKi: the Modelling Wiki

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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
  - transform knowledge
  - revise knowledge
- Concurrent specification at different degrees of formality
- Automatic translation
  - from the informal specification to a formal model
  - 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 APOSDEL (www.aposdle.org)
- Evaluation of MoKi ongoing at the Joint European Summer School on Technology Enhanced Learning 2009
- CLIP-MoKi: modelling of medical guidelines encoded in ASBRU
- BP-MoKi: modelling of semantically annotated business processes

moki.fbk.eu

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