Meta-Modelling

Breakout Group
Motivation

• Currently: ad-hoc meta-model development
• We have an evolving meta-model
• Distributed development
• Multiple tools are based on the one meta-model
• Communication of changes is not optimal

• Release planning and some stable version would be great
Migration

• More discipline while changing meta-model
• Introduce fines for badly documented meta-model changes (e.g. Gummi-Bärchen)
• Eventually do as some EU Project task (Ferdinand)
• Now seriously:
  – Activity-chain for the meta-model change
  – Introduce a responsible person (so that at least one knows what has changed)
  – Snapshot dependencies?
Change Management

• Better documentation
• A central Wiki-Page for the change management
• A process for the change introduction and tracing
• Change tickets?
Eclipse 3.6

• Eclipse 3.6. → ToDo
• OCL support has changed (Fabian is an expert :)
  – Currently we use OCL through comments
  – Built-in Eclipse features shall be used
• Eclipse offers a textual syntax for Ecore
  – Could enable a better versioning
  – May be one can even merge models?
• Release Planning issue
RSA

• Continue or may be migrate to something else?
• Eclipse has a better modelling support now (a hypotese)
  – Eventually a good option
  – Discussion needed
  – Could enable contributions from externs to the modelling
• We make Furcats based modelling

• Documentation generation can be improved (Erik’s big hope)
Meta-Model Decorations

- Problem: maintainability and extendability of the meta-model
- Introduce some kind of decorator (general)
- Then special instances of costs, etc.. Smthg liek that (see Q-Impress)
- Problem: Editor support.. One has to do GMF stuff himself
  („this is a pain in the ass“, Erik)
- A general support of such stuff by GMF would be great
- What happens to the model validation?
Relation to the PCM Core

- Stable PCM Core → Quality annotations are really annotated, ...
- Simulation based on the core model → lighter PCM meta-model evolution without changing simulation?
  - How powerful shall such simulation core be?
  - Is it applicable on practice?

- Formalisms Petri net and PCM IS Core (Jörg)?