Motivation
- MDE aims at raising software abstraction
- Specific-task automation required
- Domain-specific knowledge hard to explicit
- Learning from examples is an alternative
- Examples are still produced ad-hoc

Objectives
- Define a thorough example-to-knowledge learning process
- Characterize and generate example sets, tailored to a specific task
- Investigate coverage impact on learning

Proposal
- Consider example generation as a multi-objective space exploration problem

A thorough example-to-knowledge learning process
From examples elicitation/generation to knowledge: a 3-steps process:
1. Example set generation
2. Examples completion
3. Knowledge abstraction

Framework

Preliminary results
Comparison between our approach and a random generation

Applications
- Metamodel testing
- Constraint learning
- Model transformation learning
- Refactoring learning