

GoMoKIT-

Towards an applicable goal-oriented Business Process Modelling approach for knowledge-intensive Tasks

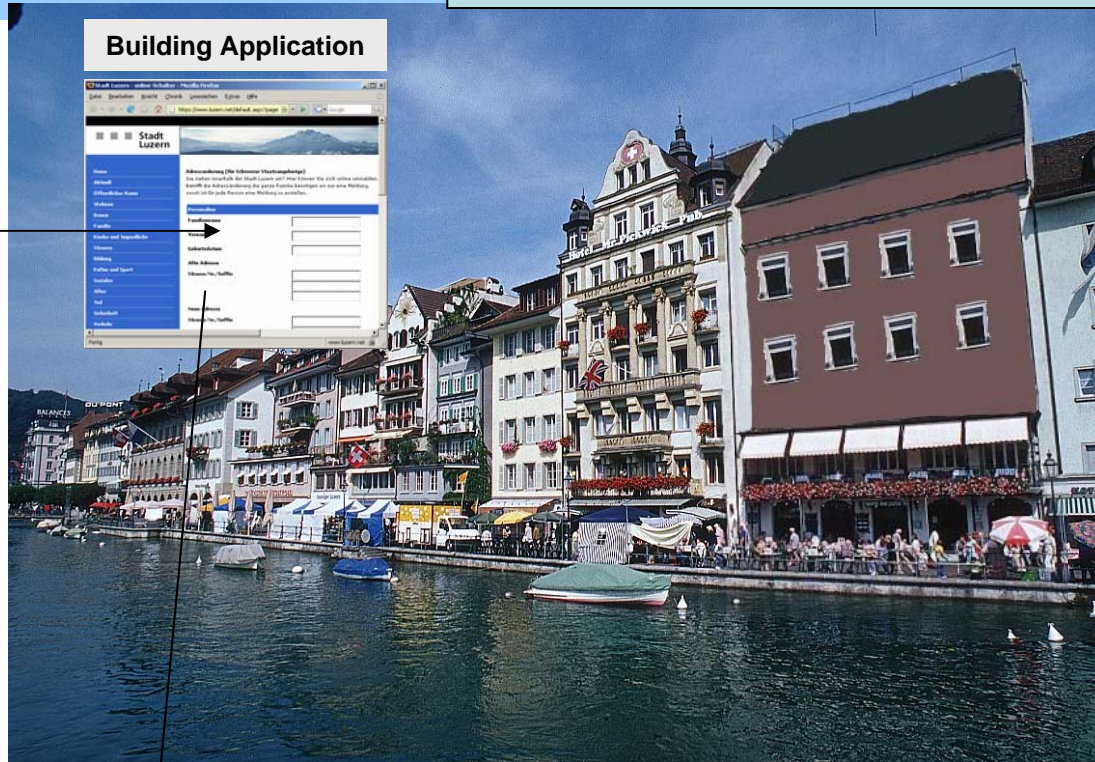
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Simon Nikles

Use Case

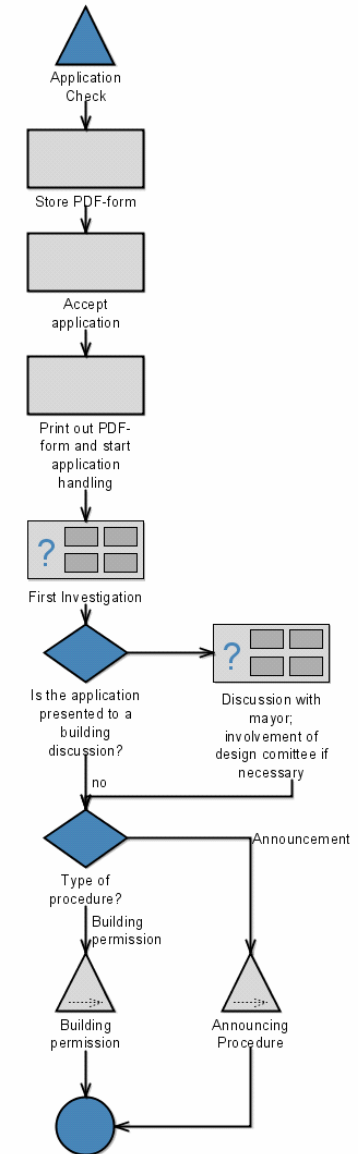
User wants to rebuild a historical building, which is near natural water.



E-Mail

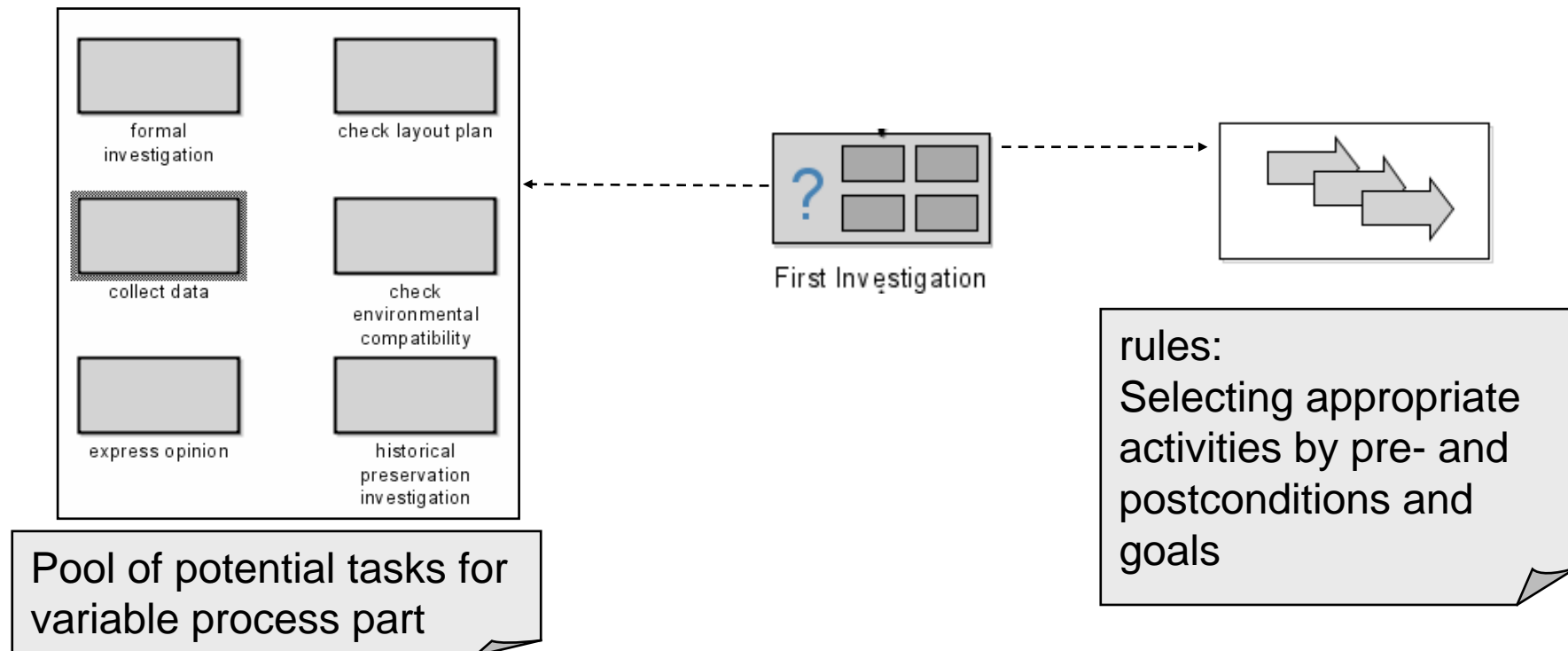


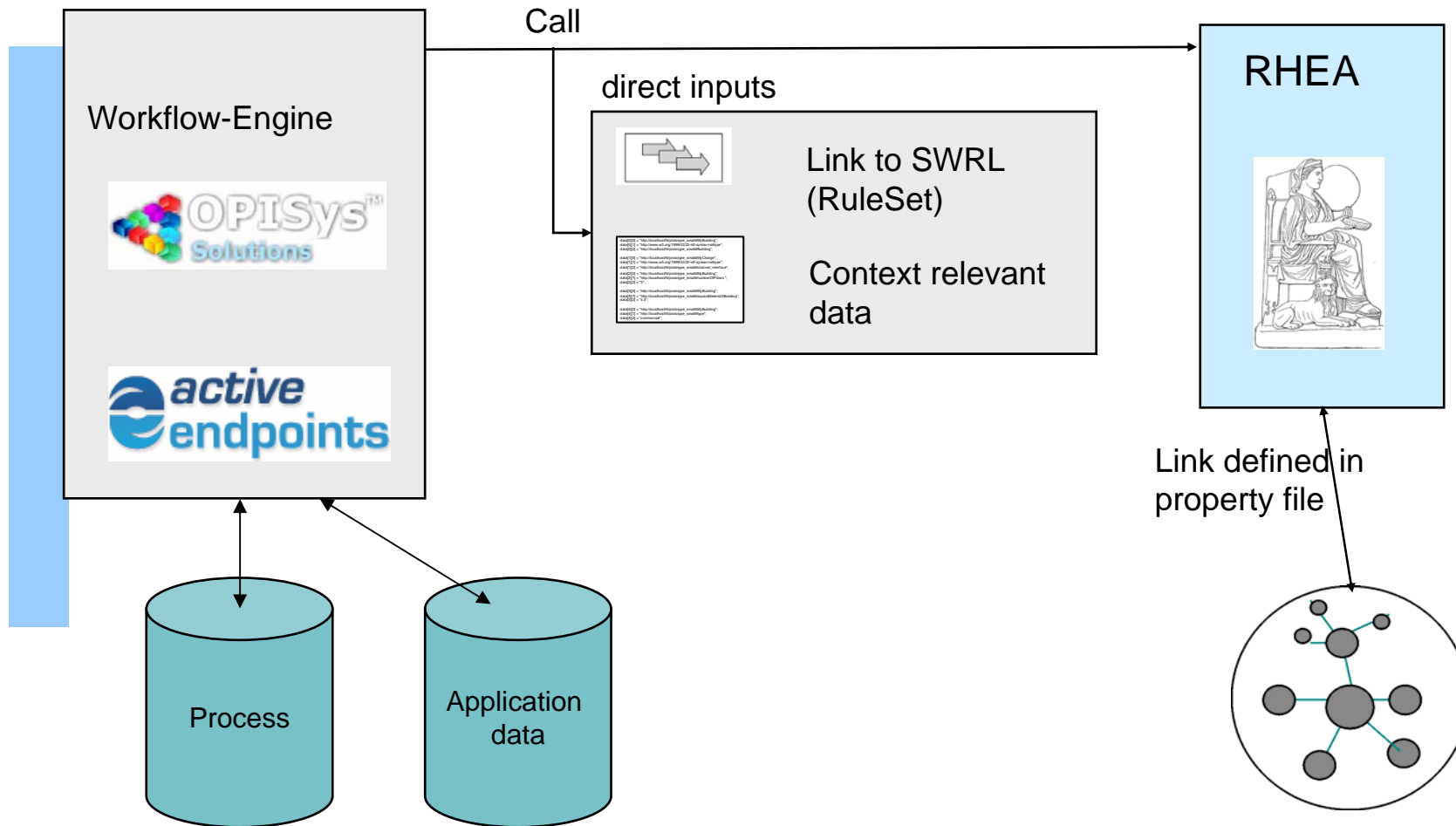
Workflow Engine



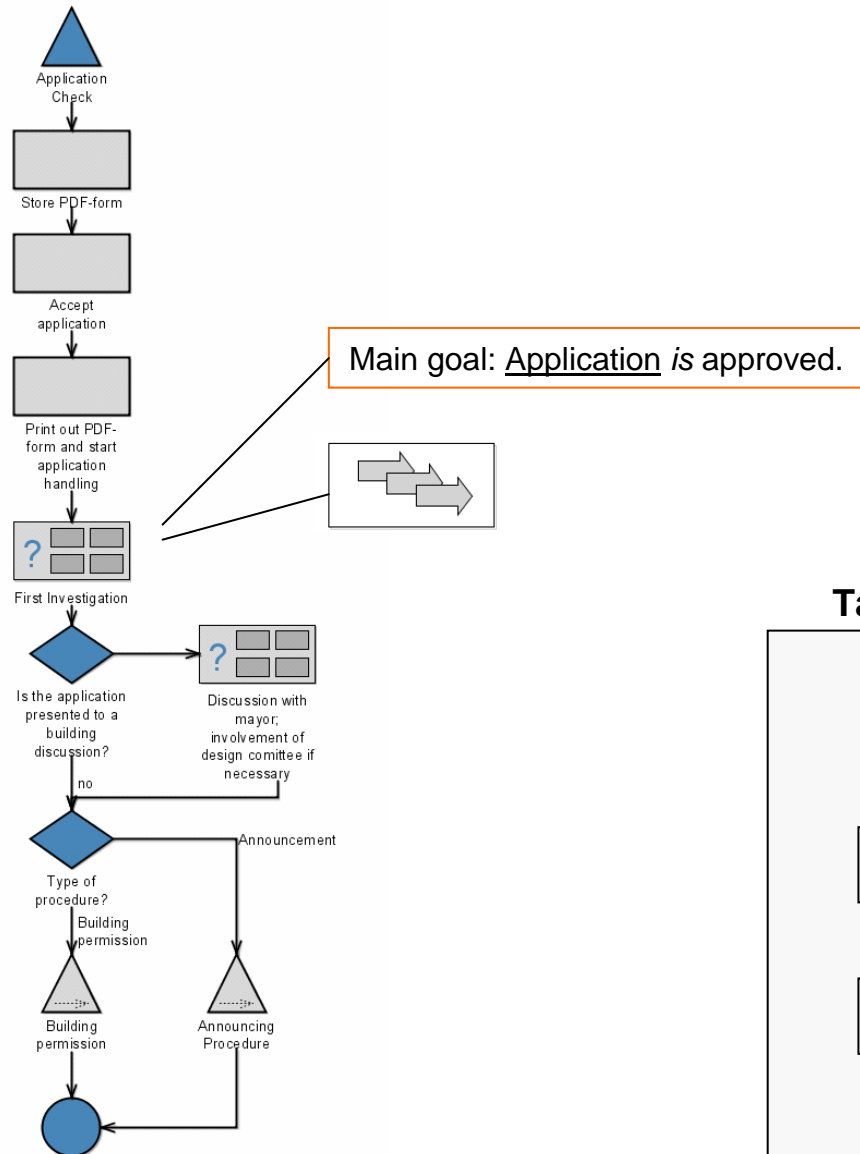
➤ New modelling object: Variable process part

- reference to potential tasks
- associated set of rules

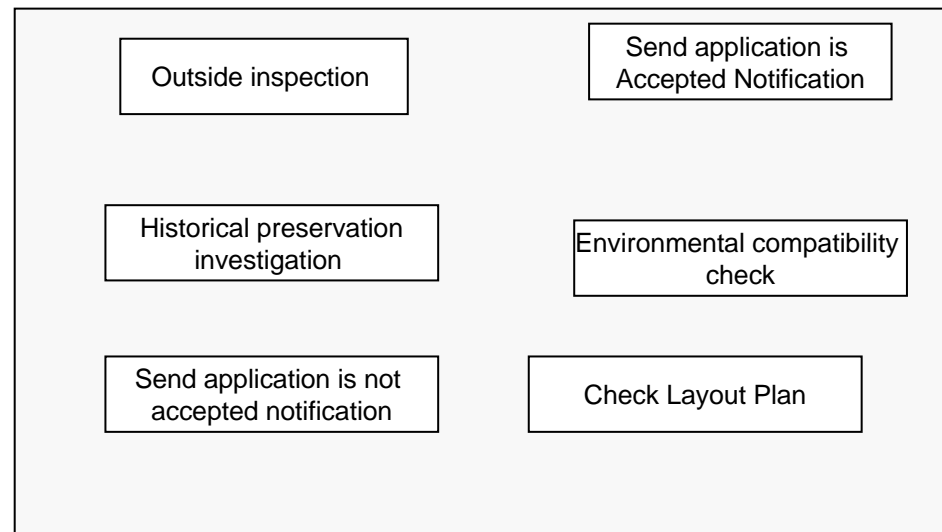




Modelling approach



Task Pool



Task Pool

Goal: Application is approved.

Task: Outside inspection

Subgoal: A surrounding compatible is approved.

Precondition: Building fits not to surrounding.

Postcondition: Building compatibility is accepted or not

Task: Environmental compatibility check

Subgoal: Environmental compatibility is approved.

Precondition: Distance to natural water is less than 50 m.

Postcondition: The environmental compatibility is not accepted.

Task: Historical Preservation Investigation

Subgoal : Historical preservation investigation is approved

Precondition: building is a historical building.

Postcondition: Historical preservation investigation is accepted or not.

Task: Send application is Accepted Notification

Subgoal : Application is approved

Precondition: The environmental compatibility is accepted and

Building compatibility is accepted and

Building is a not historical building

Postcondition: Application is accepted.

Task: Check Layout Plan

Subgoal: The layout plan is approved.

Precondition:

Postcondition: Application fits to surrounding or not.

Task: Send application is not accepted notification

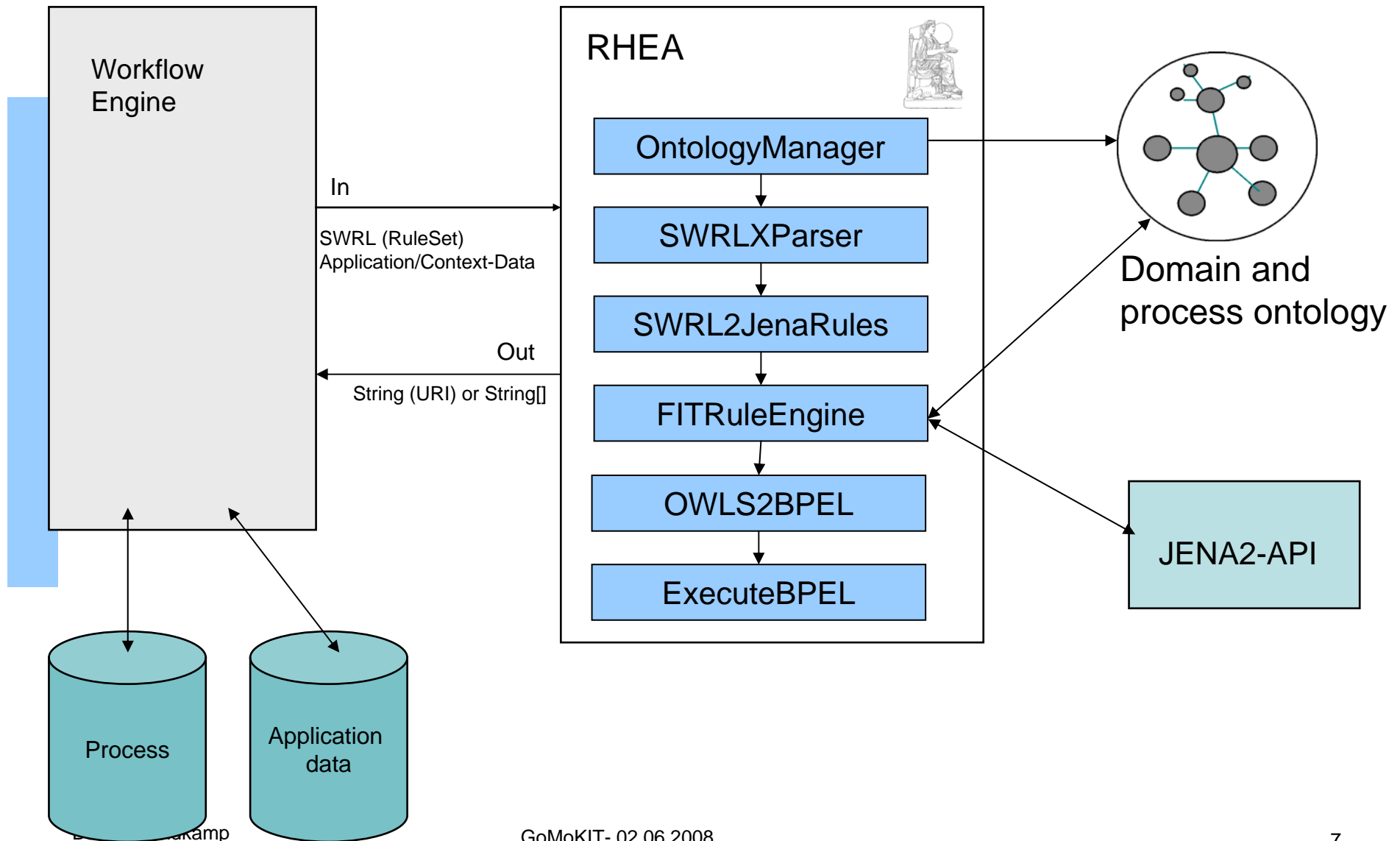
Subgoal: Application is approved.

Precondition: The environmental compatibility is not accepted or

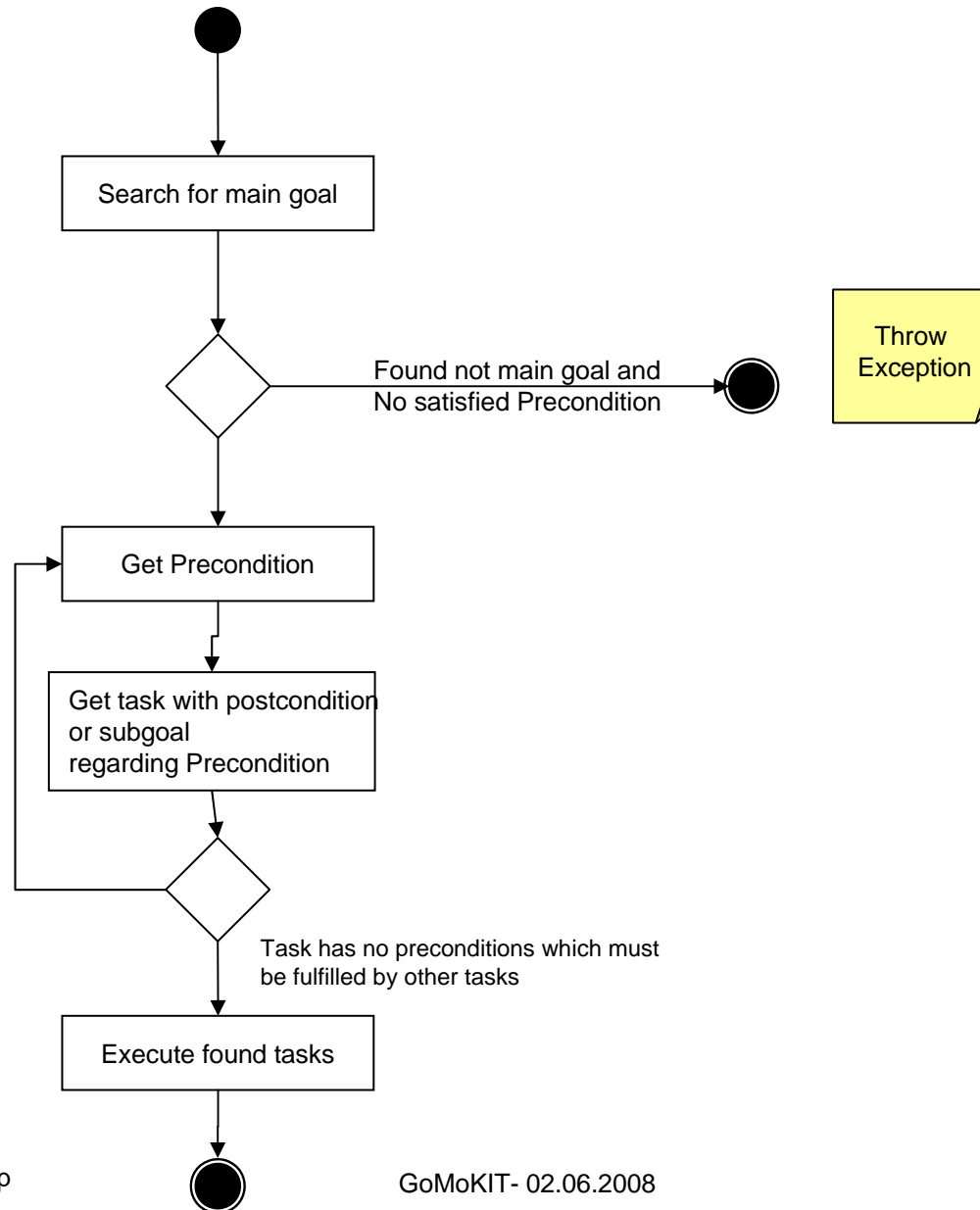
Building compatibility is not accepted or

Historical preservation investigation is not accepted.

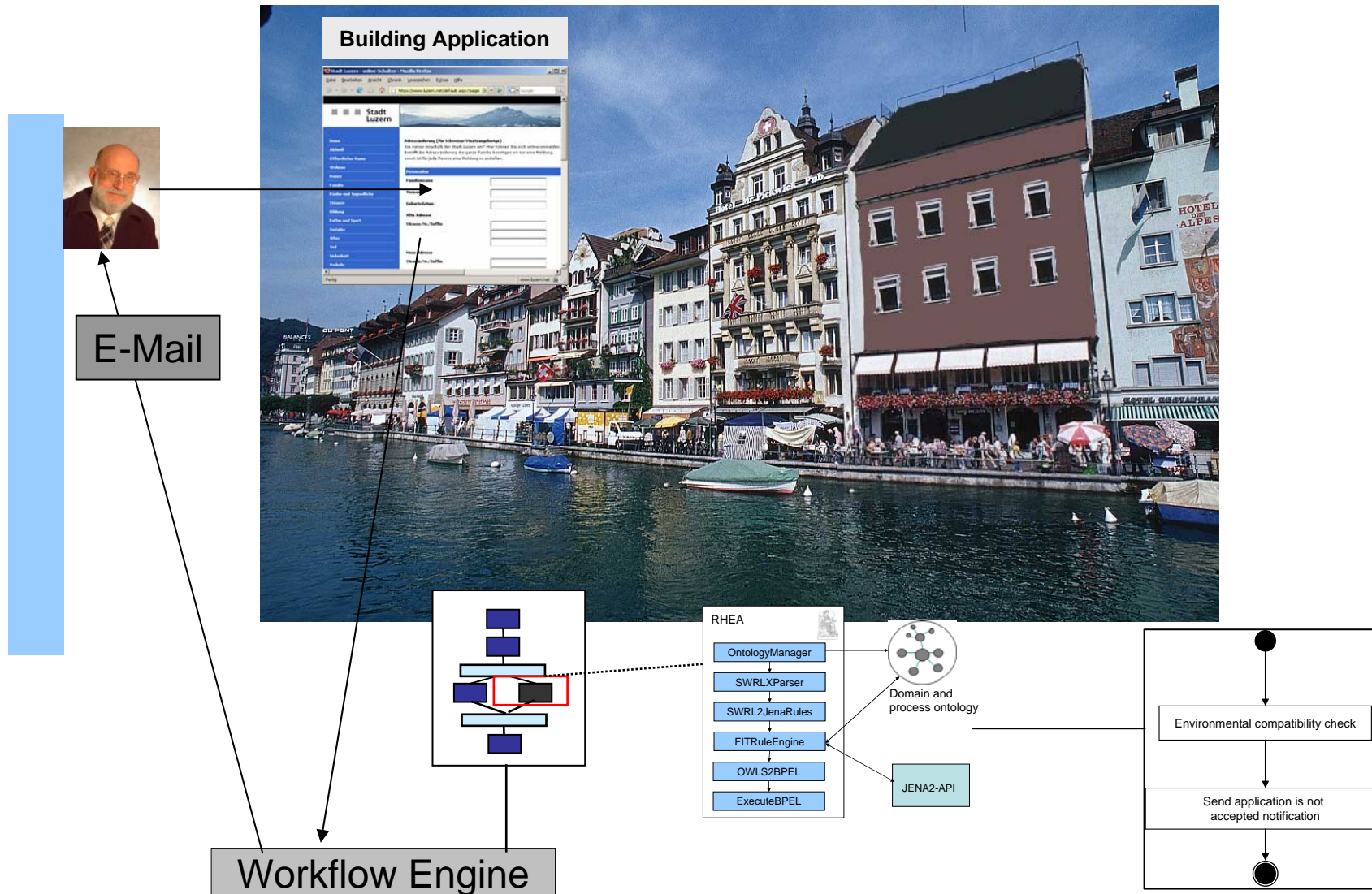
Postcondition: Application is not accepted



Steps to get execution plan



GoMoKIT approach



Questions?