



## Java Workflow Tooling – KickOff Meeting AgilPro contribution

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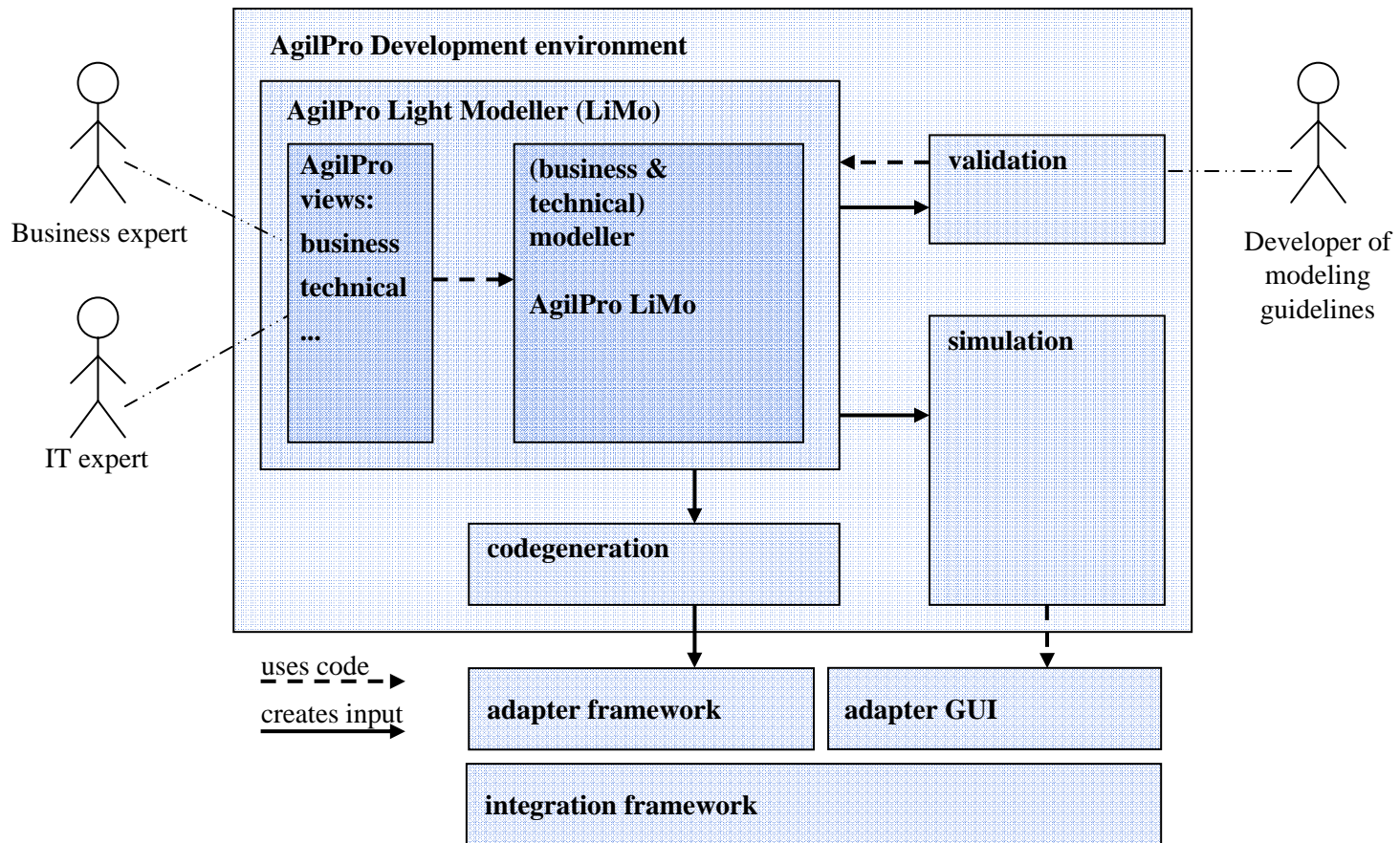
# Agenda



- High-level description
  - ▶ Conceptual architecture of the AgilPro development environment
  - ▶ Views on processes
  - ▶ The process integration framework
  - ▶ Framework underneath
  
- AgilPro Light Modeller (LiMo)
  - ▶ Screen shots
    - ▶▶ Business view and technical view of a model
    - ▶▶ Flash video on homepage of LiMo and Simulator
  - ▶ The meta-model underneath
  
- AgilPro Desktop Simulator
  
- AgilPro Adapter and Integration framework
  
- Vision for JWT

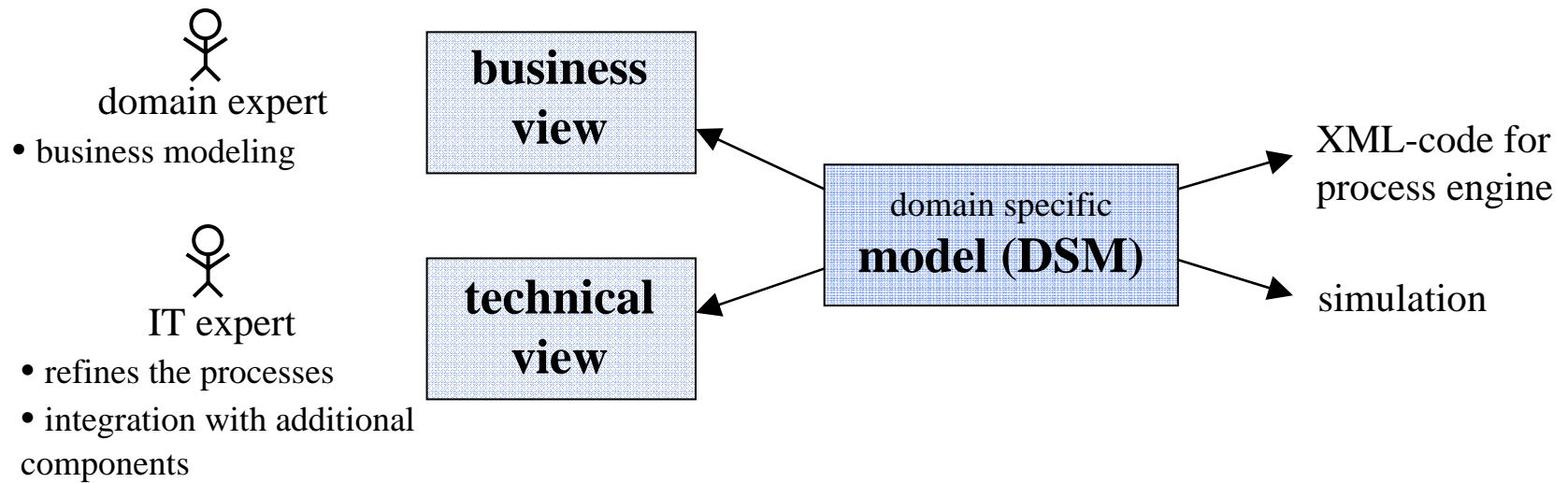


# Conceptual architecture of the AgilPro development environment



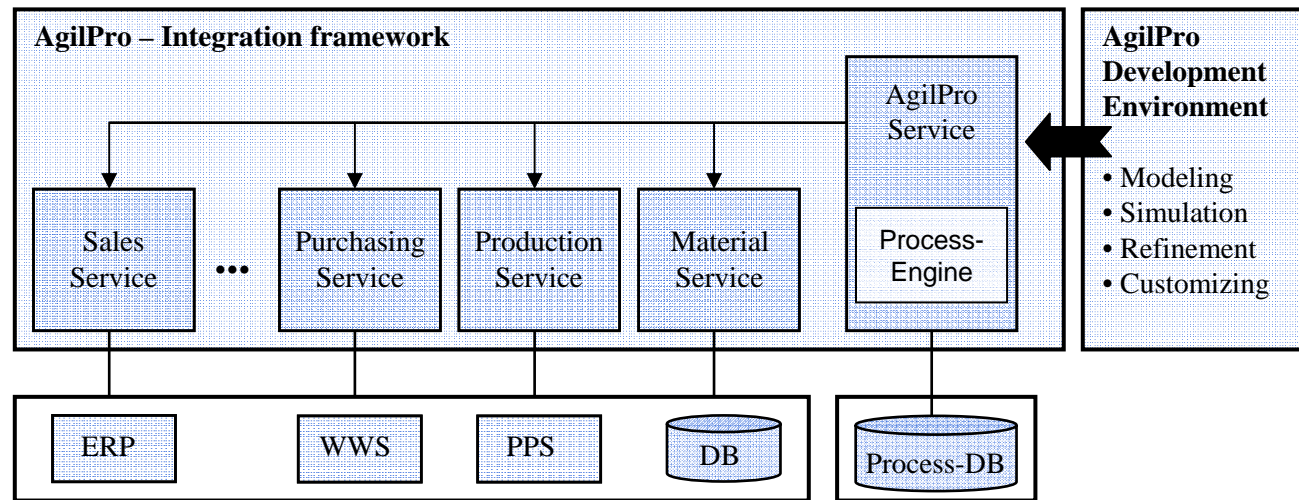


## Several views on the same process





# The process integration framework





## Frameworks underneath



AgilPro ist a project sponsored by the high-tech future offensive of Bavaria, Germany and is based on

- Eclipse 3.2 minimum
- Eclipse Modeling Framework (EMF)
- and Graphical Editing Framework (GEF)

As the two frameworks are normally not compatible we needed to make some minor adaptations.

AgilPro is a Rich-Client Application, open source available under the GNU GPL and currently a Sourceforge project.

Find more about AgilPro under:

<http://sourceforge.net/projects/agilpro>.

<http://www.agilpro.eu>



## AgilPro LiMo

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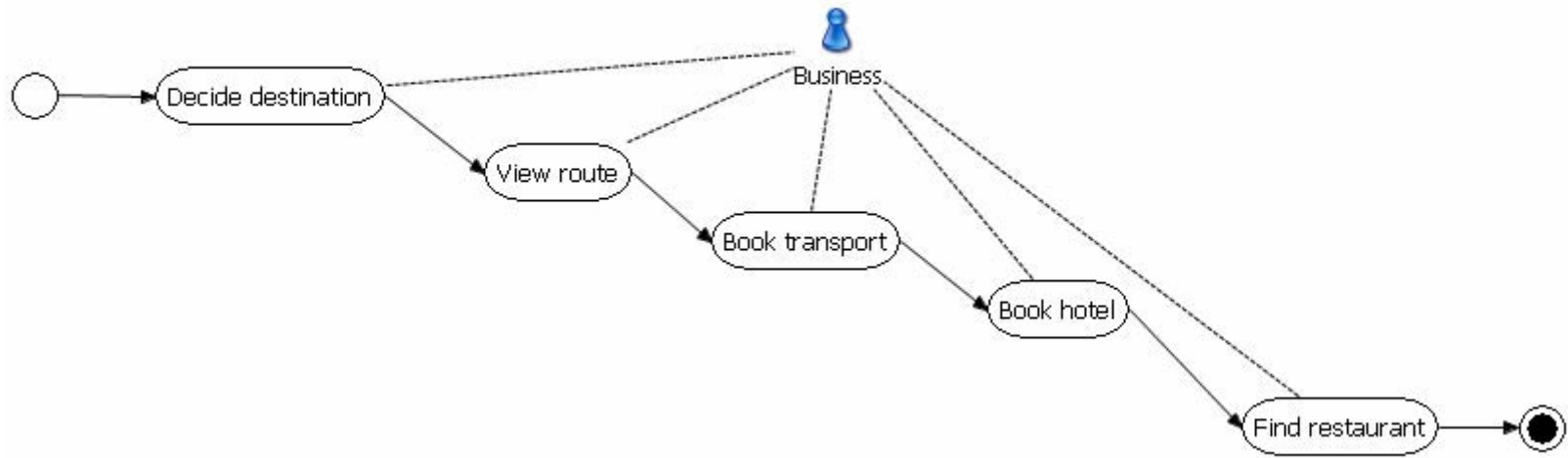
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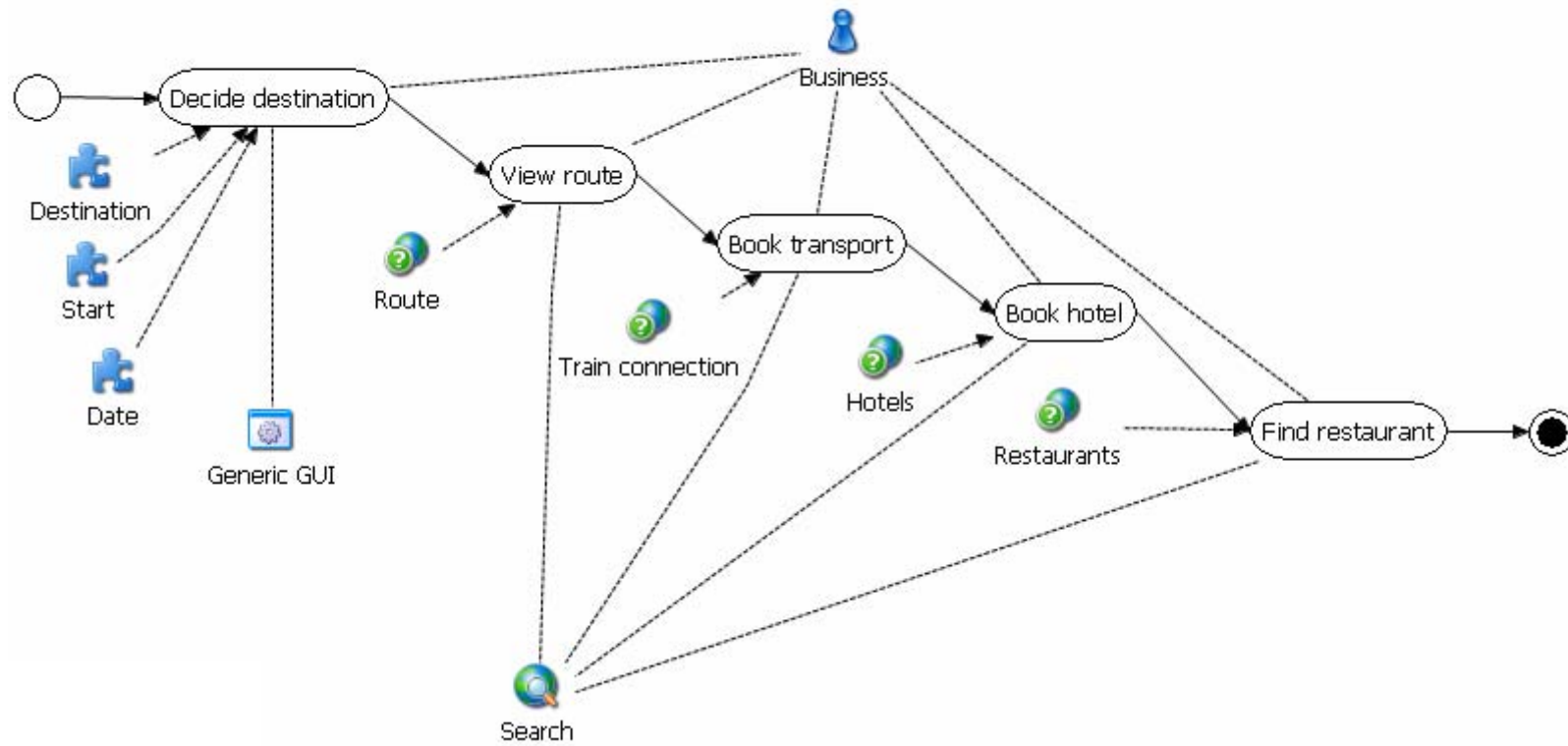
# Screenshot LiMo – Business View







# Screenshot LiMo – Technical View





## Flash movie as short demonstration of LiMo / Simulator



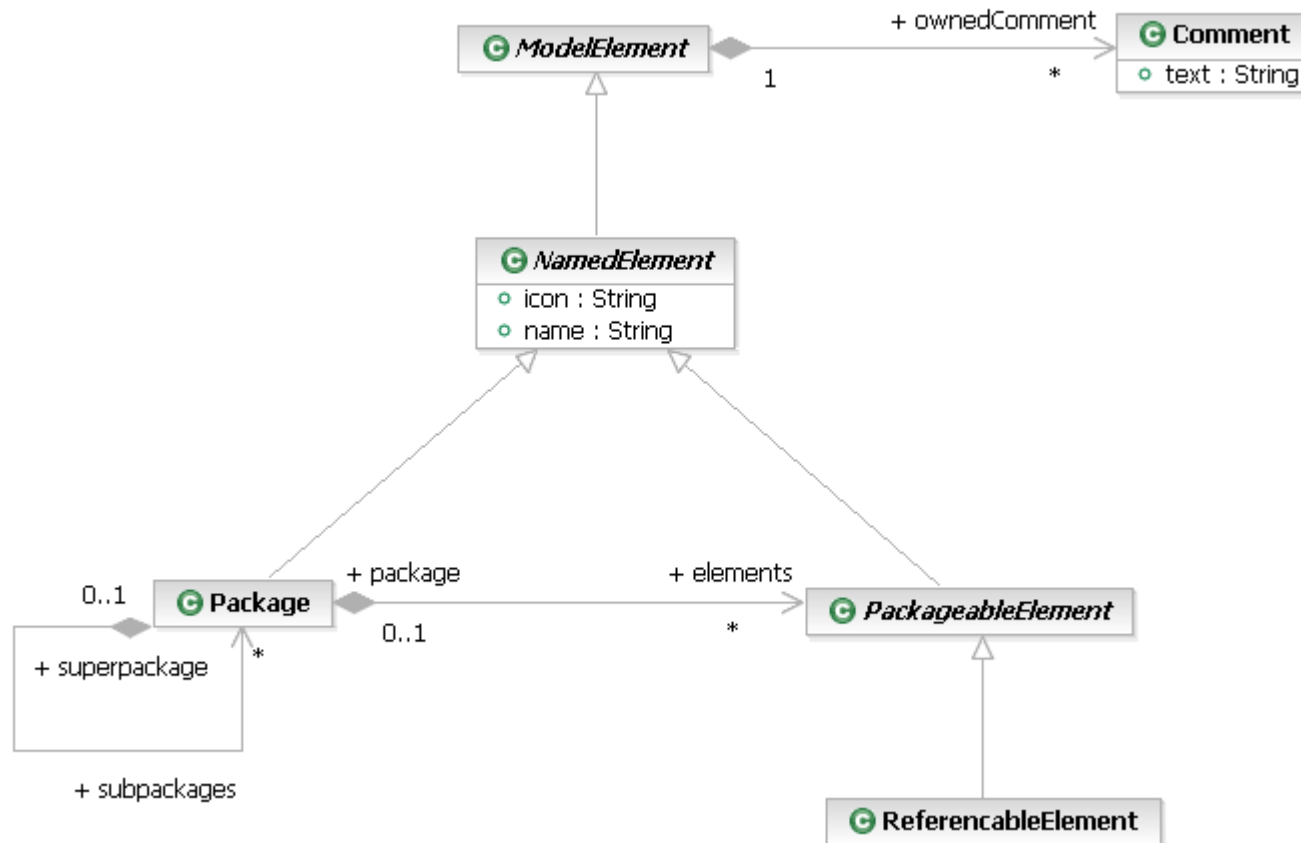
- see wiki
- find more demos on <http://www.agilpro.eu>



- The meta-model of AgilPro is oriented on UML Activity Diagrams
- Adapted for
  - ▶ organisational aspects,
  - ▶ data handling,
  - ▶ application invocation
- The process view is similar to ARIS Event-Driven Process Chains (EPCs) most important:
  - ▶ with each change of the organisation one will have changes in the workflow
- Several views on the process
  - ▶ no transformation between business and IT view (especially important for ISVs)
- Process patterns available which can be included in the current process as copy or as a subprocess / link

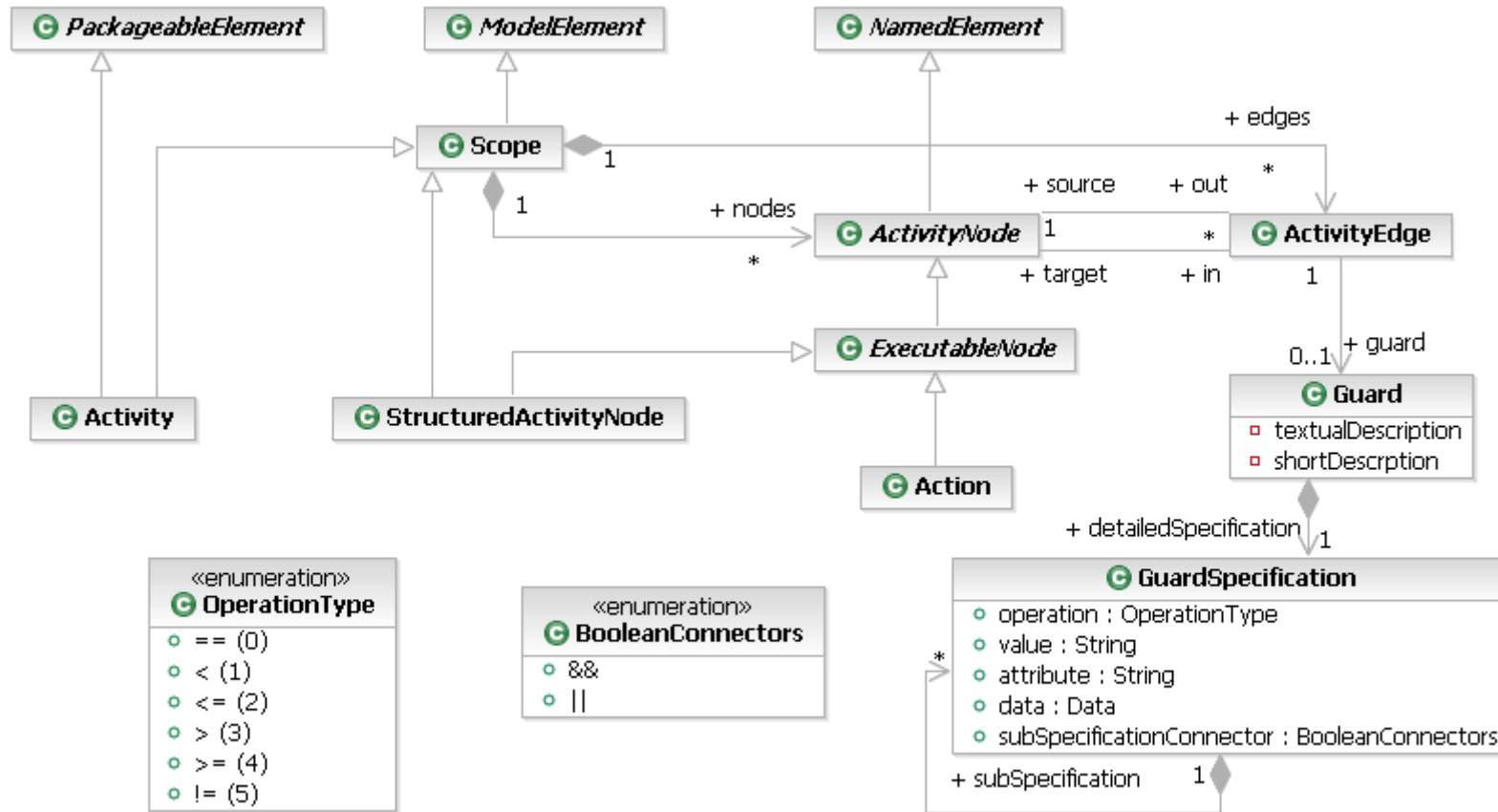


# Metamodel – Core package



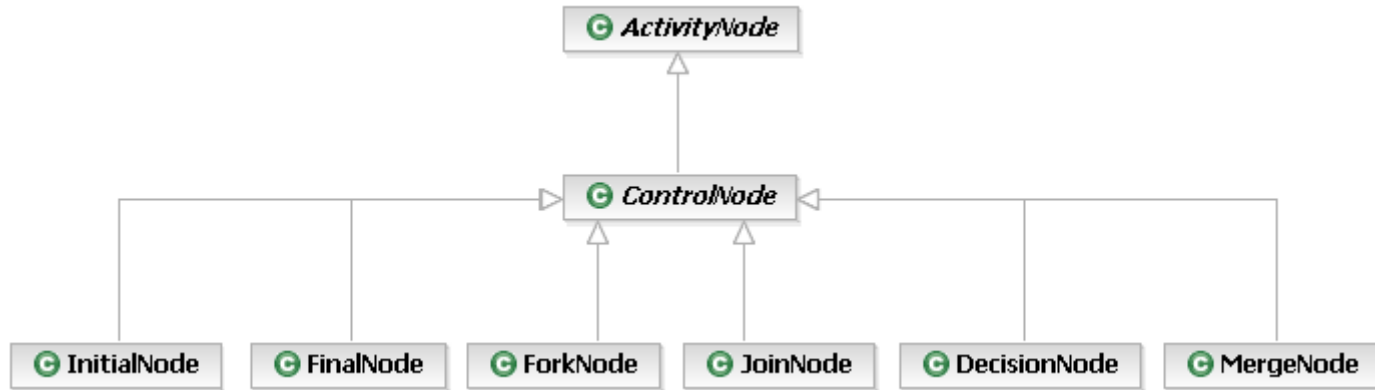


# Metamodel – Process package



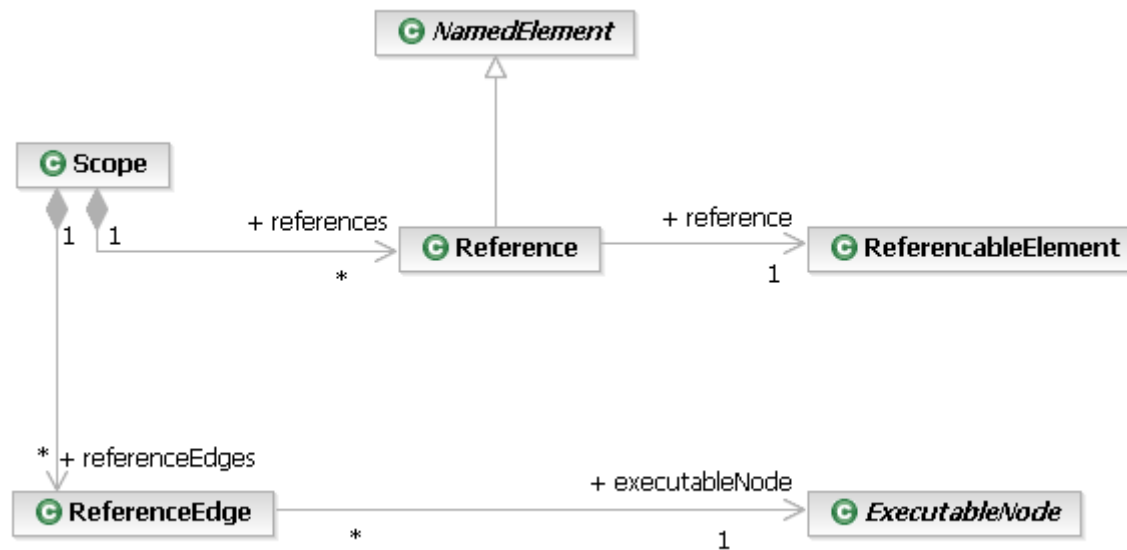


# Model – Control nodes



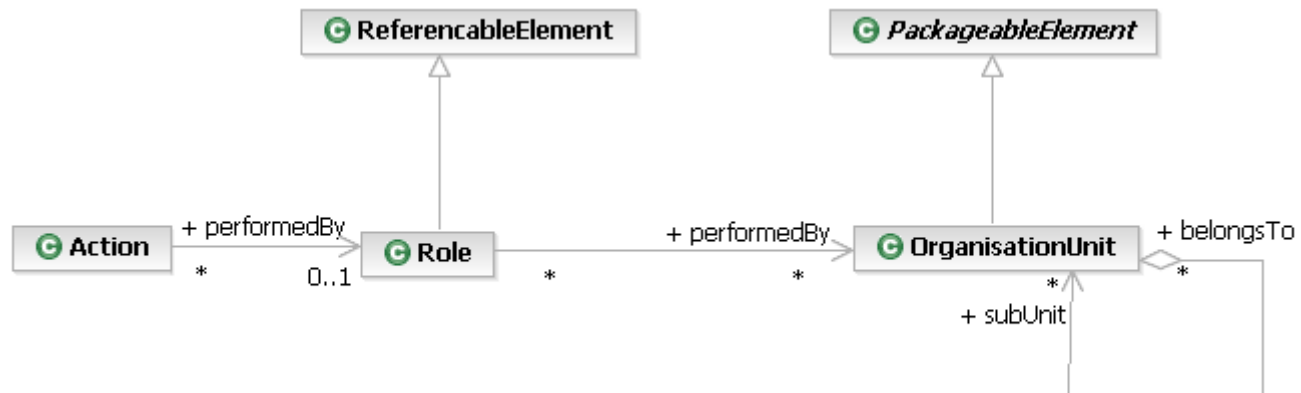


# Metamodel - References





# Metamodel - Organisations





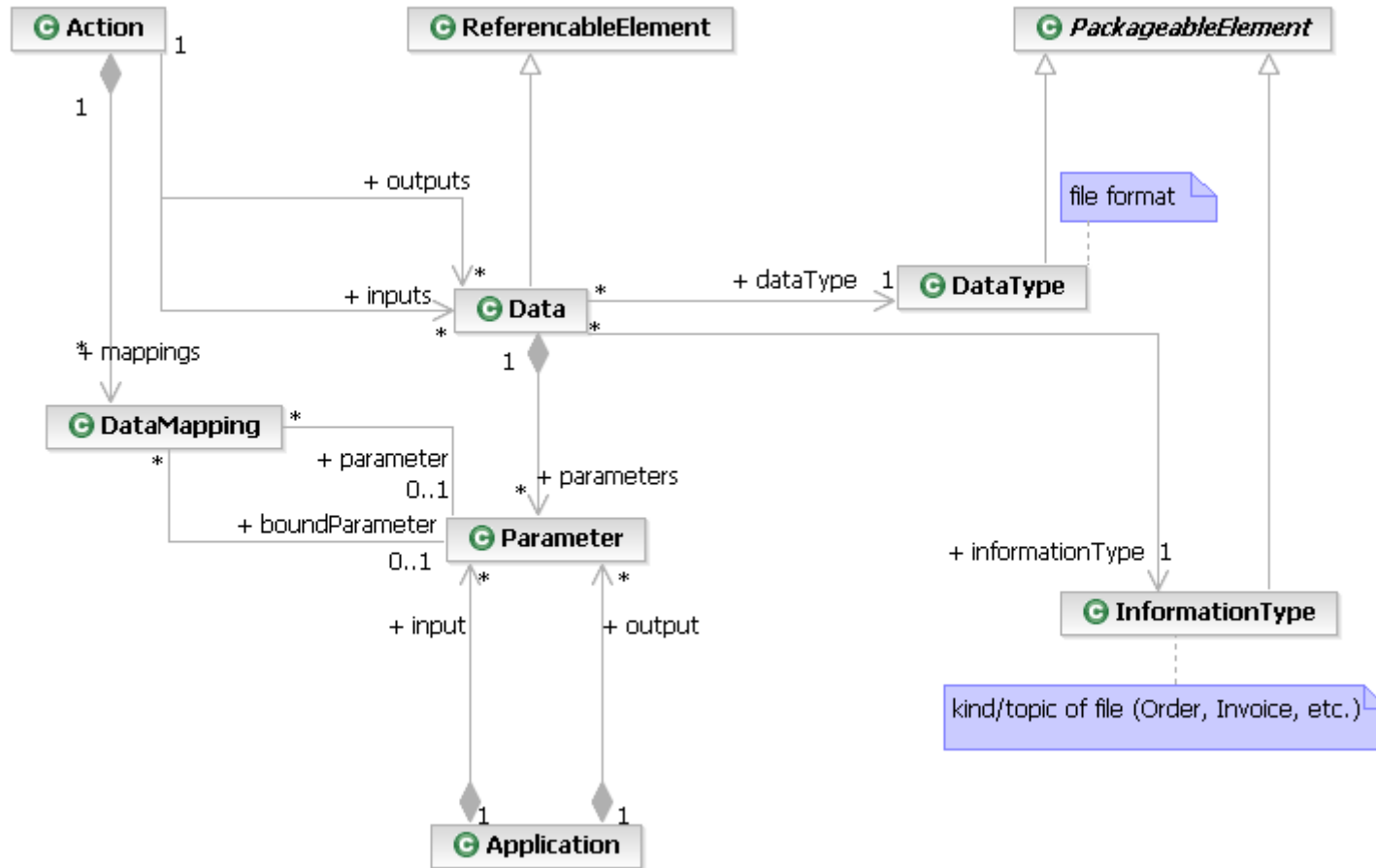


# Metamodel - Applications



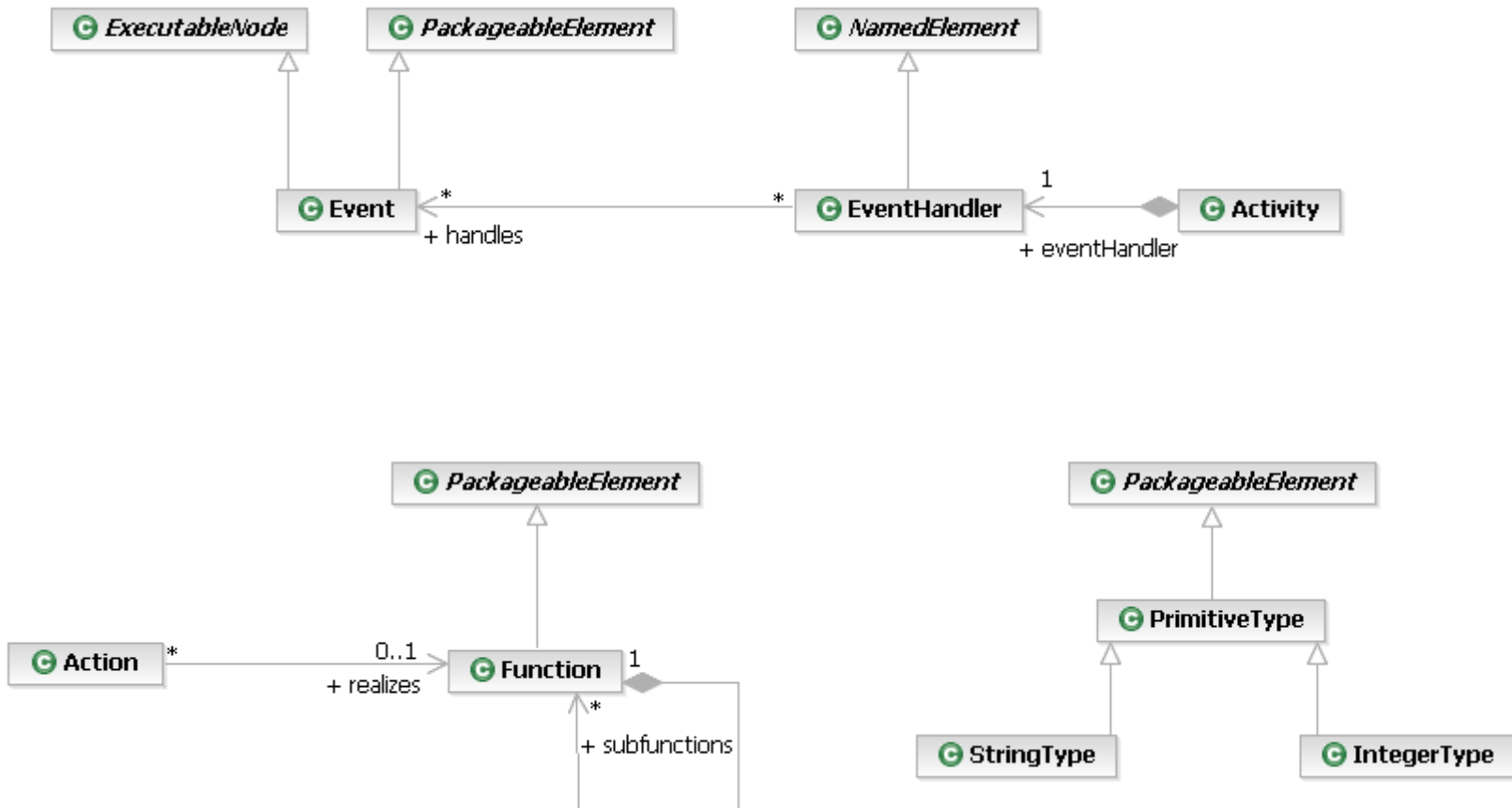


# Model - Data





# Metamodel – Events, functions and primitive types





## AgilPro Desktop

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- Simulation and Execution Desktop based on a generic UI Framework (AGUI)
  
- Remarkable:
  - ▶ the Simulation Desktop will directly run the model file (without any code transformation)
  - ▶ the Execution Desktop will run the process execution file, which has been generated from the model file and deployed to the process engine
  
- AGUI is furthermore used for automatically generated UIs within AgilPro Desktops based on the model input/output data



## AgilPro Adapter and Integration framework

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## AgilPro Adapterframework (AFW) & Integrationframework (IFW)



### AFW:

- front end adapters for AgilPro Desktop clients
  - ▶ e.g. OpenOffice, PDF, HTML/Firefox, Swing, RCP
- back end adapters
  - ▶ Web Services, JDBS, JMS, etc.
- specific adapters (e.g. for ERP) will not be Open Source

### IFW:

- Abstract API used by AgilPro Execution and Administration desktop
- BPEL integration (pre-alpha)
- XPDL integration (first results in matching the AgilPro and XPDL meta model and on XPDL code generation)



## Vision for JWT

- Vision of an open source software stack for business process integration (within JWT):

