A Workflow Model for the Asgaard Project
A Time-Oriented, Skeletal Planning Workbench in Medicine

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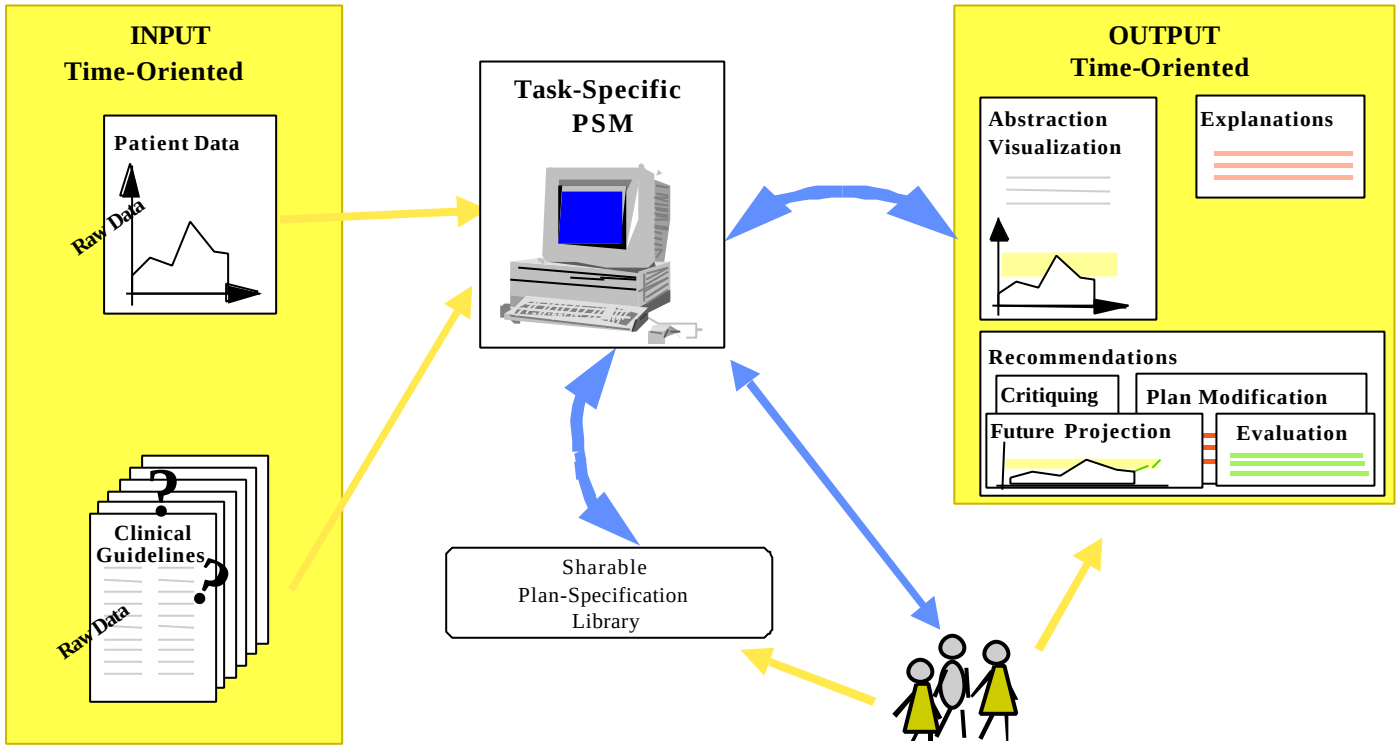
Outline

- **Motivation:**
  - The Asgaard/Asbru Project
  - How to Evaluate Problem Specific Tasks in Medical Planning
- **Agent Roles**
  - Evaluation Environment
- **Workflow Model for Evaluation**
  - Decomposition into Phases
- **Conclusion**

The Asgaard/Asbru Project



Asbru: Plan-Representation Language

- Time-oriented actions & world-states
- Rich set of operators
- Uniformly organized plan-specification library

Evaluation

One-Sentence Definition of AI

"AI is the science of making machines do tasks that humans can do or try to do." [Allen 1998]

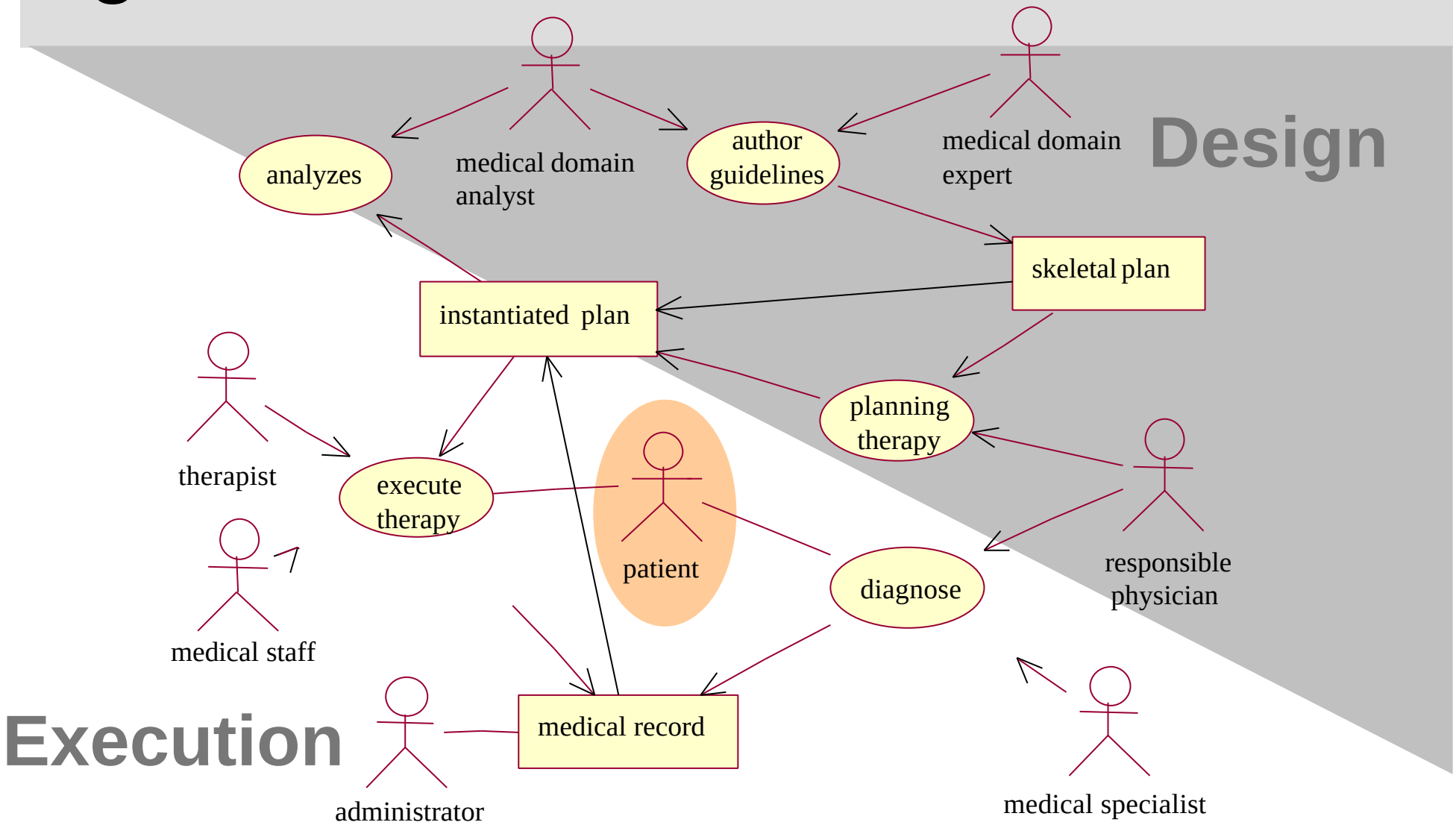
The Science on AI

"System building is the experimental foundation on which the science on AI is based. If we don't have the experimentation, we don't have the science." [Allen 1998]

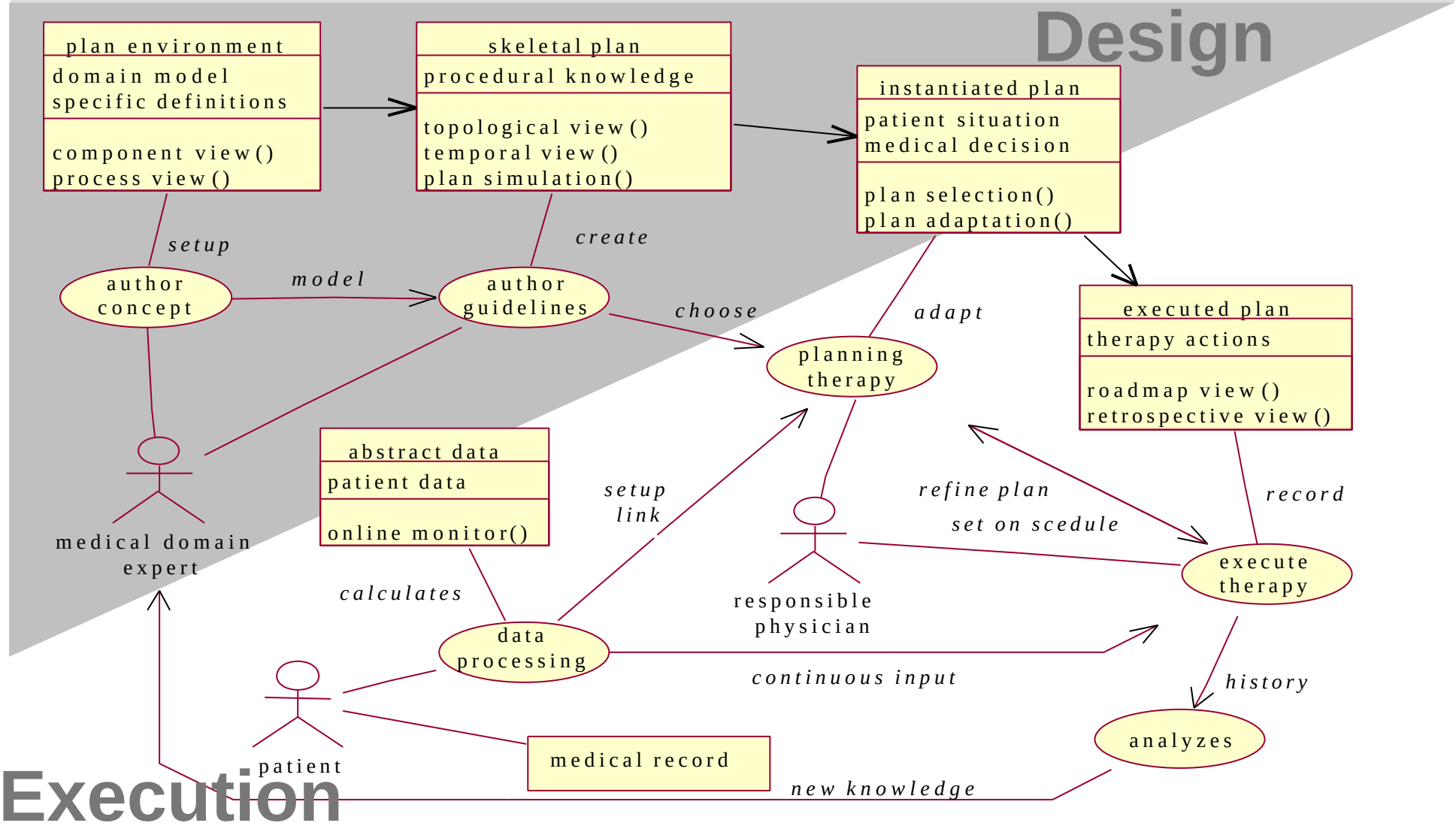
The Asgaard Project

Stresses task-specific Problem Solving Methods (PSM) to support time-oriented planning in medicine.

Agent Roles



Workflow Model for Evaluation



Conclusion

- **Evaluation Criterion**
  - How well the system enhances human performance at her/his task
- **Defining User Roles needed**
  - User roles are performed by a human actor
  - Tasks which support these roles
- **Integrating Concepts**
  - A domain specific model set up the evaluation environment
  - AI techniques and tools are used to implement the system
  - Software engineering methods describe the evaluation process