



*HarmoniQuA*

## HarmoniQuA's support tool for model-based water management

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## Outline

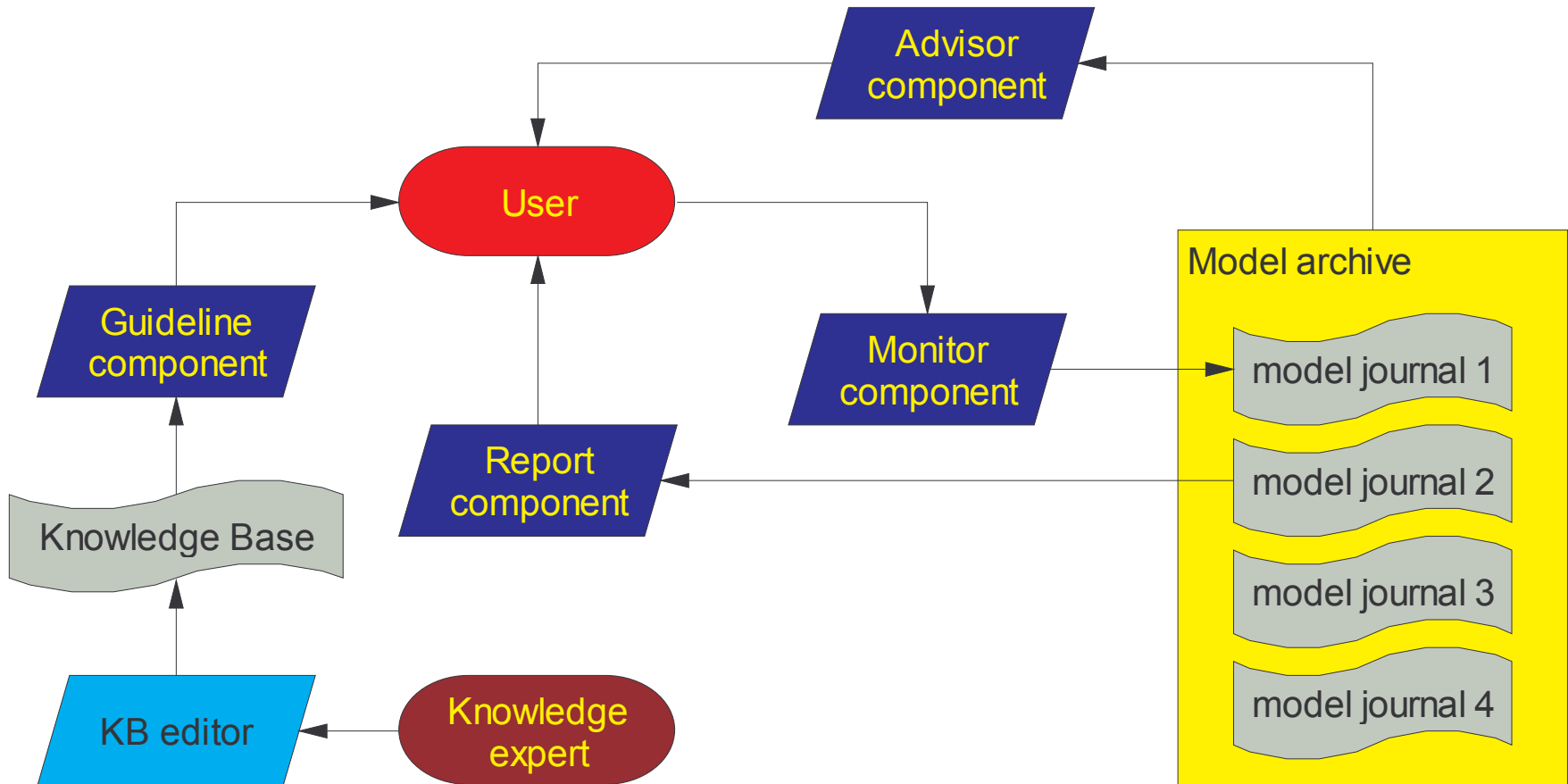
- Objectives
- Relation software – KB
- MoST (**M**odelling **S**upport **T**ool)
  - Guidance
  - Model project
    - Initialisation
    - Execution
  - Reporting
  - (Advising)
- Architecture
- Training Material
- Conclusion

## Objectives

- HarmoniQuA aims at improving modelling of multidisciplinary teams
- Team members have:
  - Different backgrounds (disciplines/domains)
  - Different roles in the project
- By developing a conceptual framework
- Tools facilitate to
  - Get guidance on what to do and how to do it
  - Monitor what team members do
  - Communicate what the team did



# Relation software – knowledge base



## MoST (Modelling Support Tool)

- Guidance: user friendly access to the KB
- Model project
  - Initialisation (project set-up)
  - Execution (monitoring what modelling team members do)
- Reporting (report what the team did, for various audiences)
- (Advising; based on previous projects, not implemented yet)

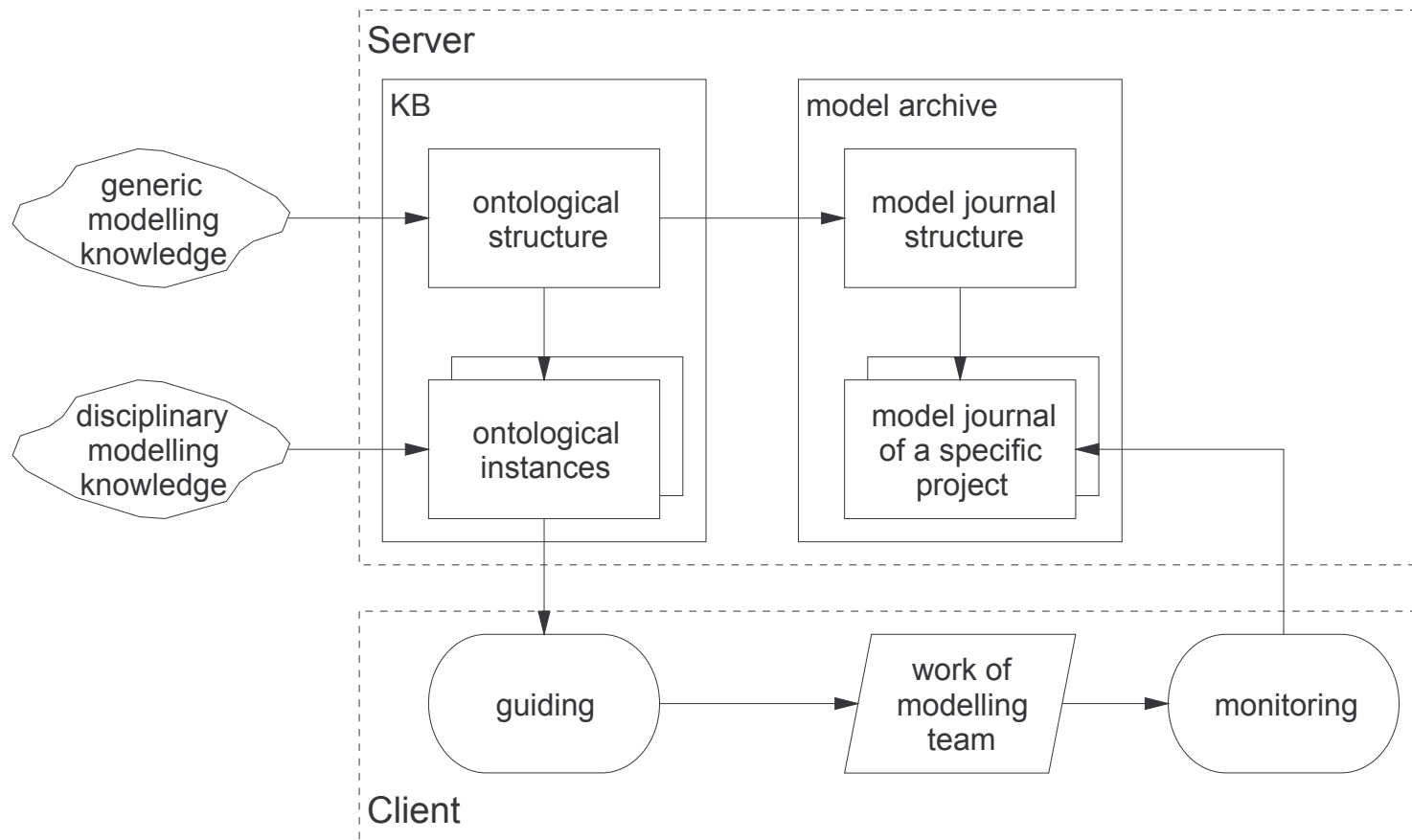
## ***DEMONSTRATION***

## Architecture (1)

- For multidisciplinary modelling in teams
- Client – server
  - Distributed client application
  - Server application (web or LAN)



# Architecture (2)



## Training material

- Not easy to use? We develop training material!
- Six versions
  - Students (short, medium, long)
  - Professionals (short, medium, long)
- E-supported
  - Presentations
  - Screen recording 'movies' to introduce\
    - Concepts
    - MoST
    - Training case study and associated model
  - Hands-on experience and 'exercises'
  - Discussions, evaluations, etc.

## Conclusions

*In previous presentation:*

- ❑ Capability Maturity Model (Humphrey 1989, SE)
  - ⇔ Simulation Maturity Model
  - ❑ 5 stages: (1) *ad hoc*, (2) repeatable, (3) defined, (4) managed, (5) optimised
  - ❑ Guidance component + KB editor help **(3) defining** the modelling process
  - ❑ MoST helps **(4) managing** the modelling process
  - ❑ Advisor component intends to help in **(5) optimising** the modelling process
- ❑ Extending the ontological KB has no or little impact on MoST
- ❑ Does MoST meet the needs of its users?