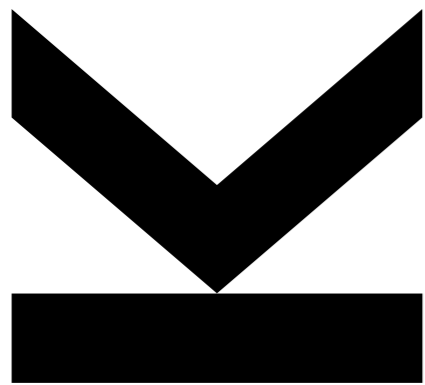


FACILITATING ORGANIZATIONAL ALIGNMENT THROUGH PEOPLE- CENTRIC ARTICULATION OF KNOWLEDGE ABOUT WORK

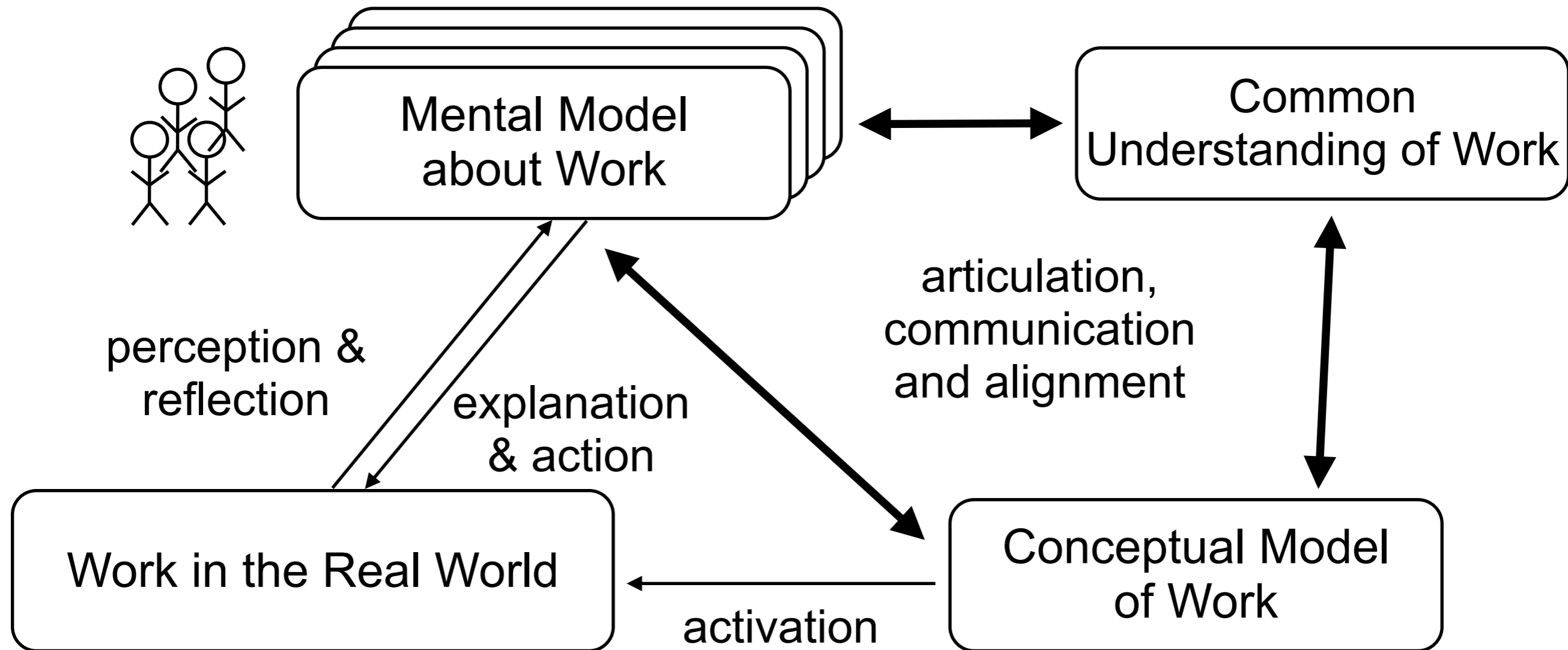


Stefan Oppl

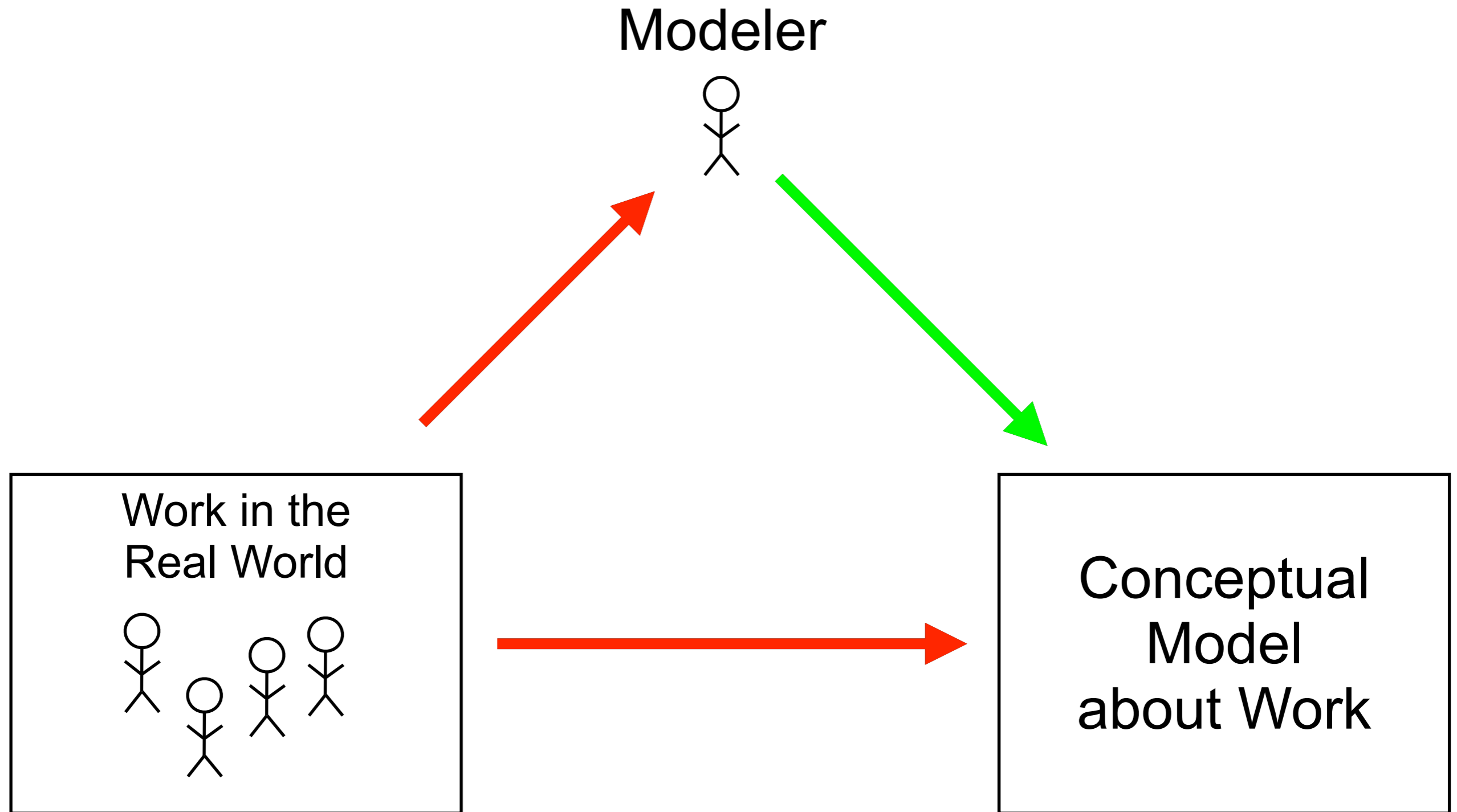
Institut für Wirtschaftsinformatik - Communications Engineering

Johannes Kepler Universität Linz

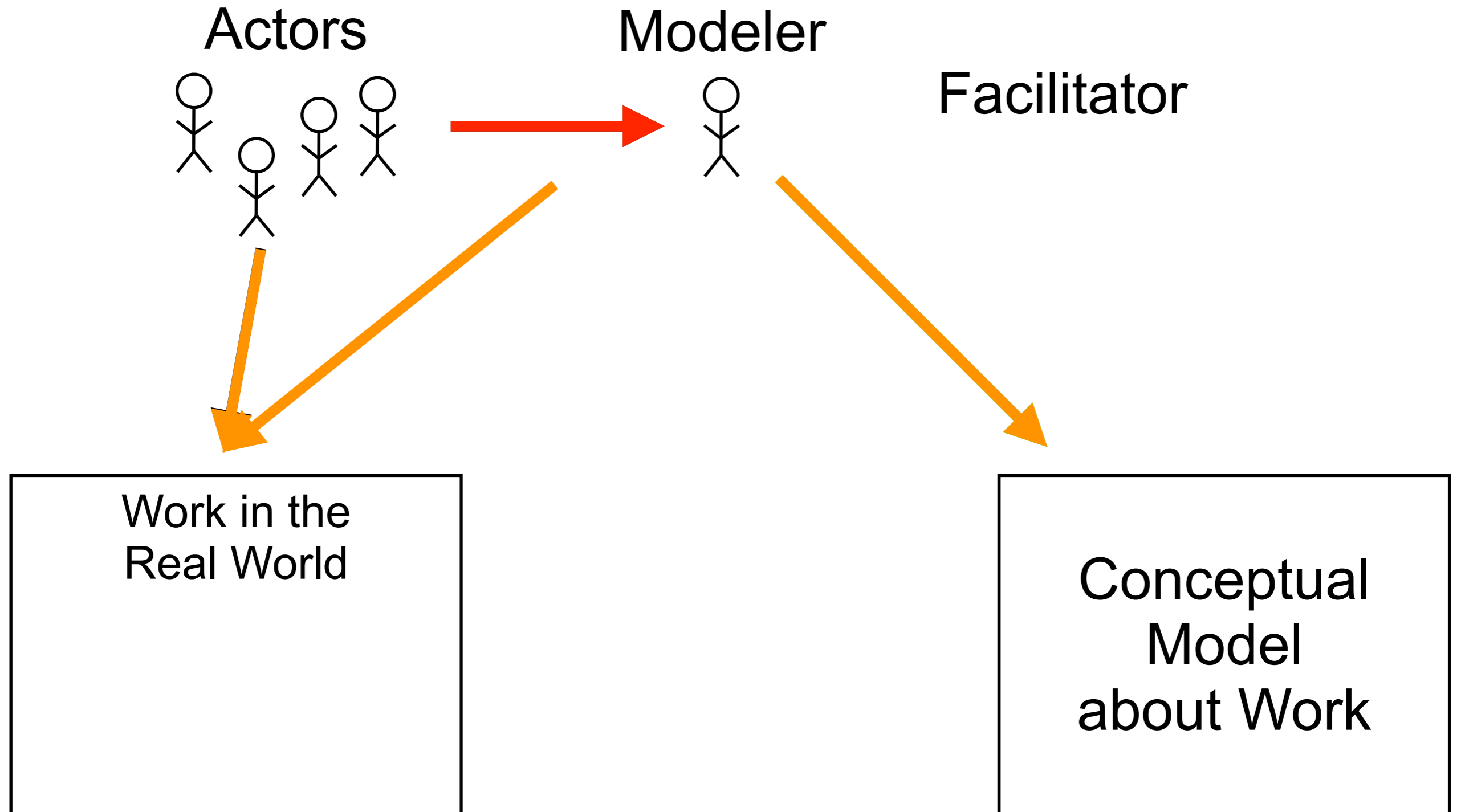
MENTAL MODEL ARTICULATION



MODELER'S BIAS



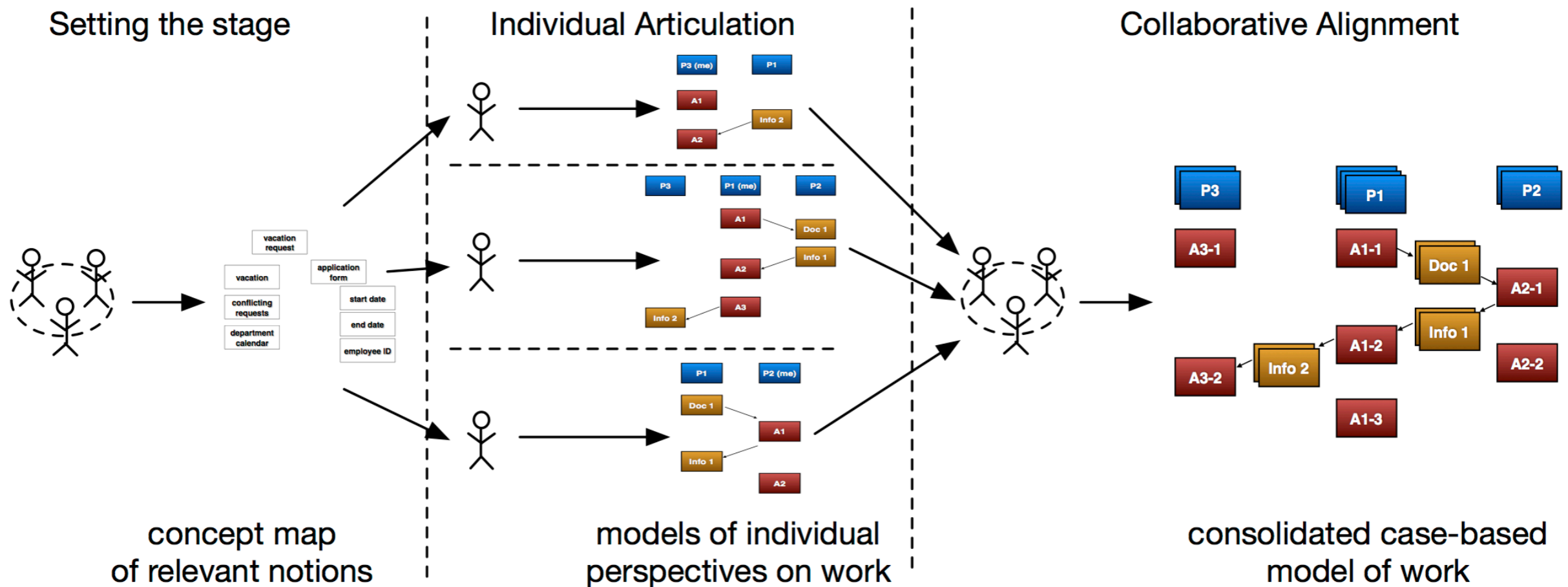
PEOPLE-CENTRIC ARTICULATION



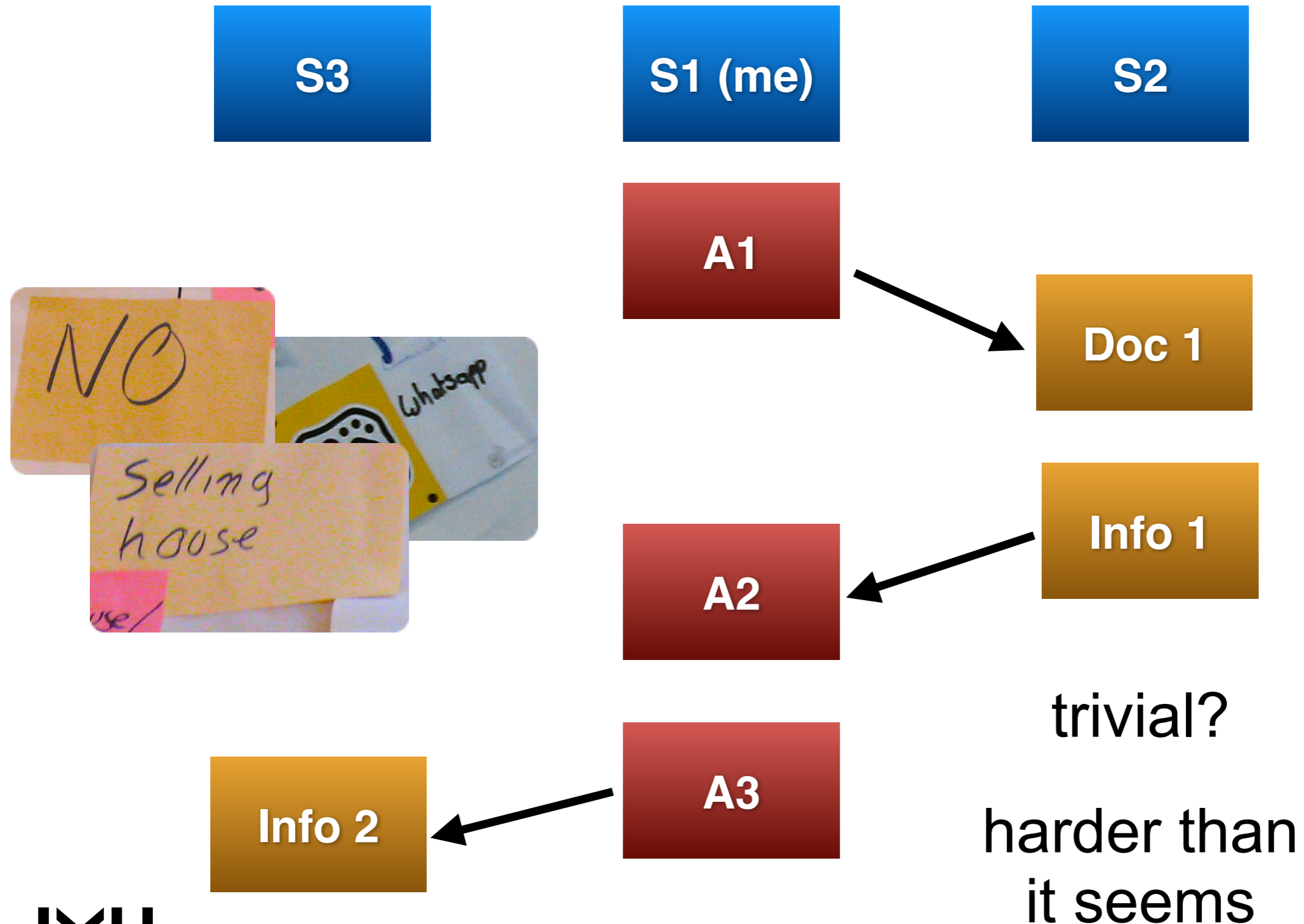
ARTICULATION THROUGH MULTI- PERSPECTIVE MODELING



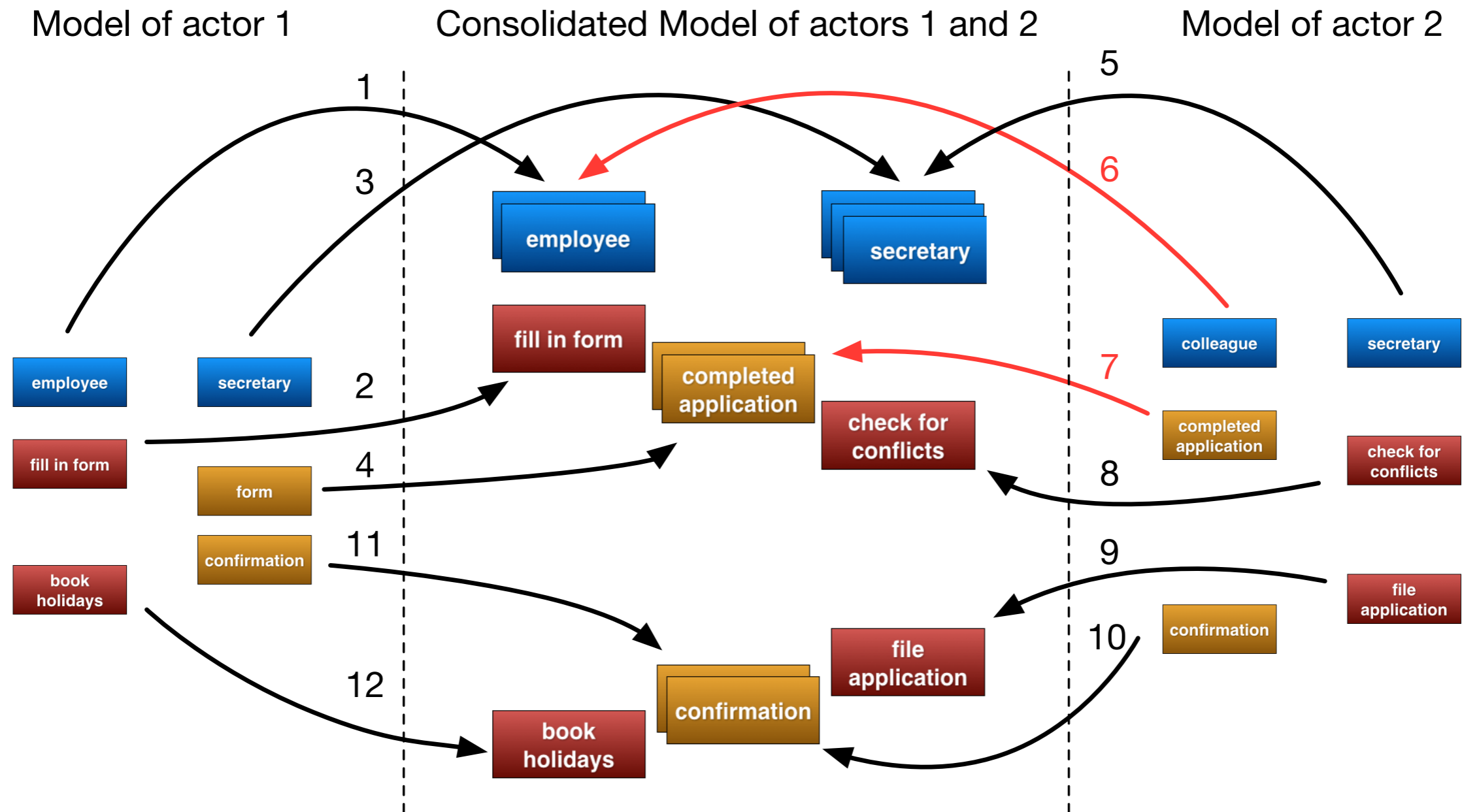
OVERALL PROCESS



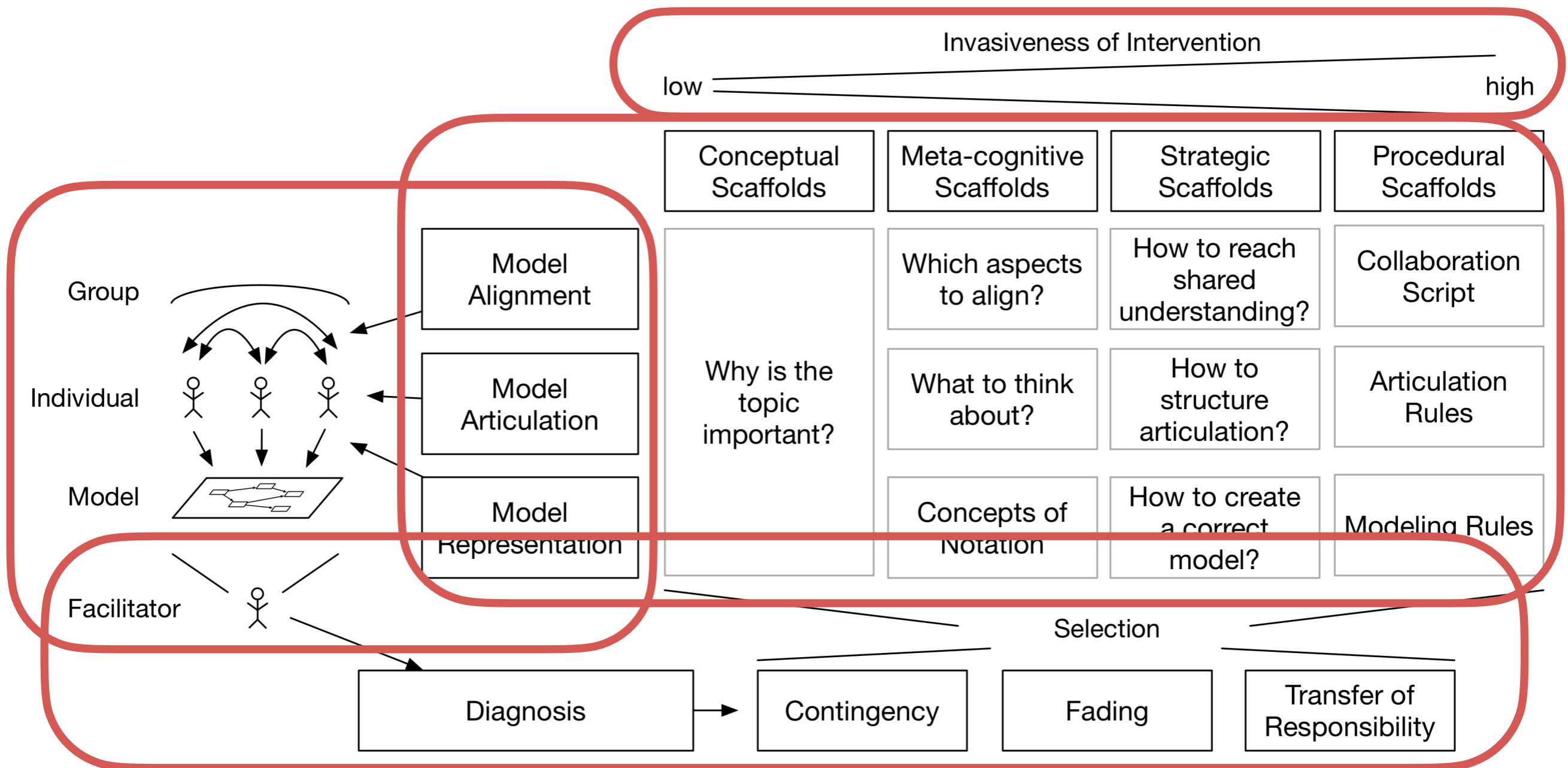
INDIVIDUAL ARTICULATION



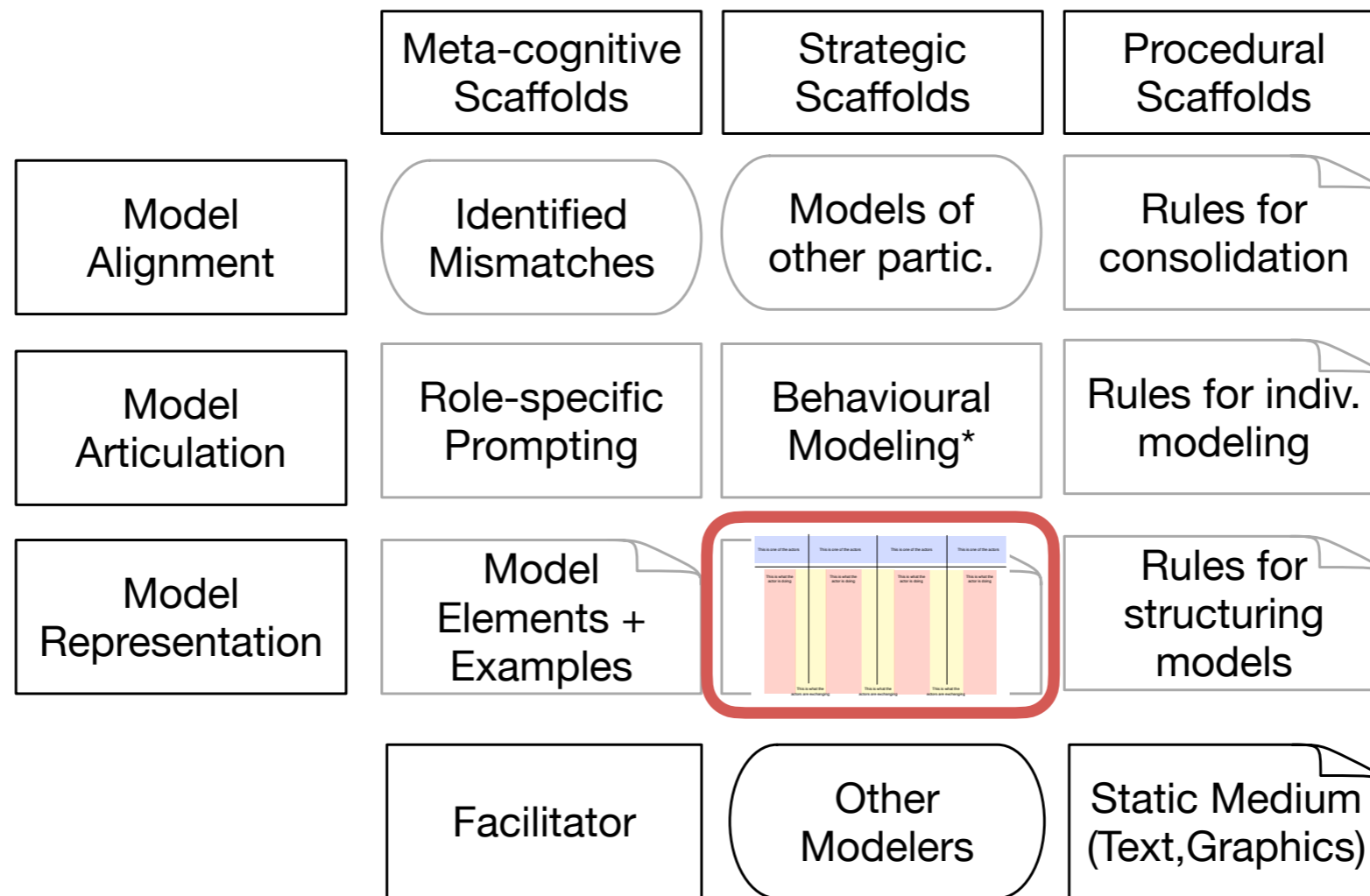
COLLABORATIVE ALIGNMENT



FACILITATION THROUGH SCAFFOLDING



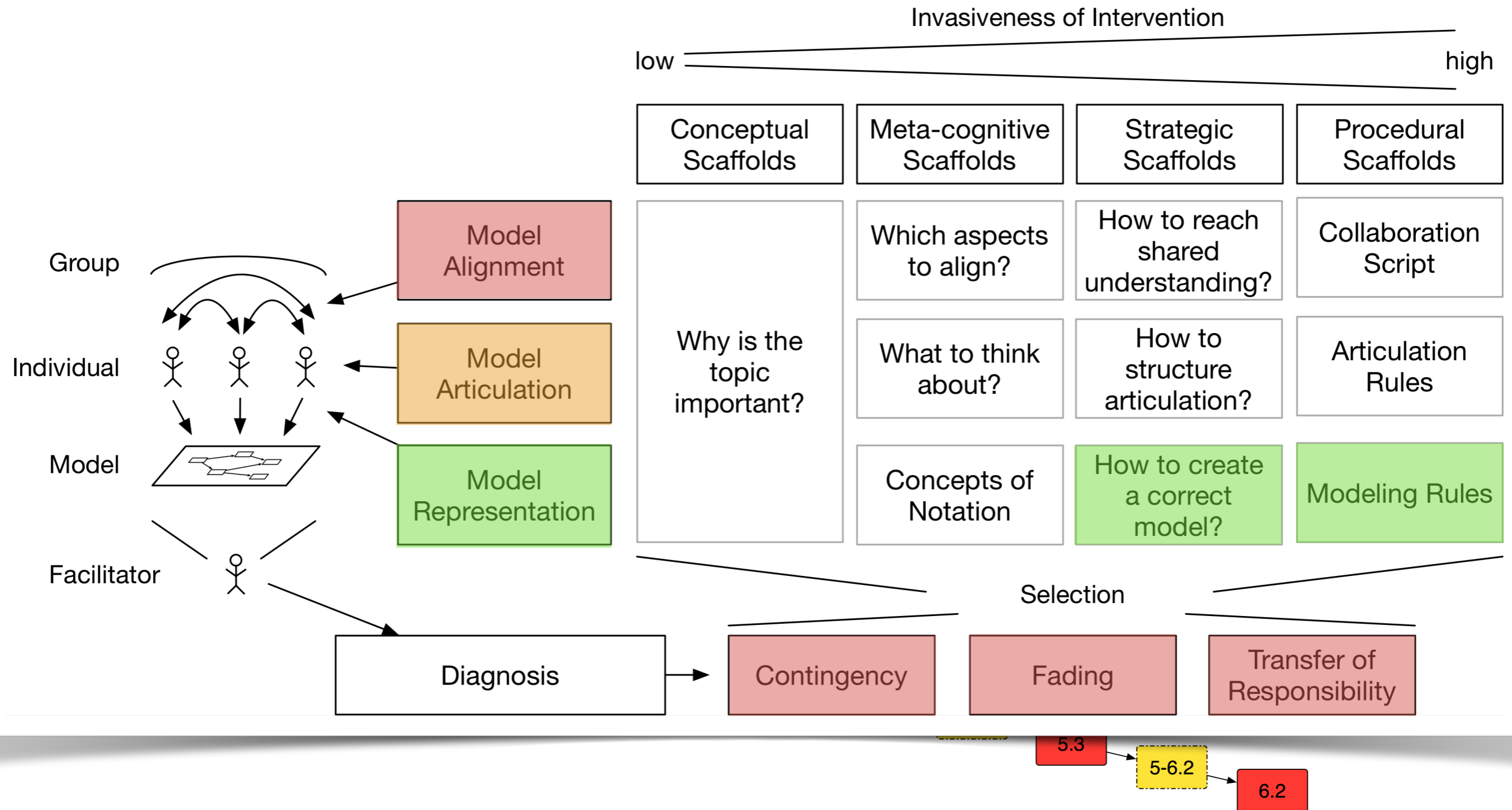
FACILITATION THROUGH SCAFFOLDING



* here referring to „acting as a model on how to solve the problem“

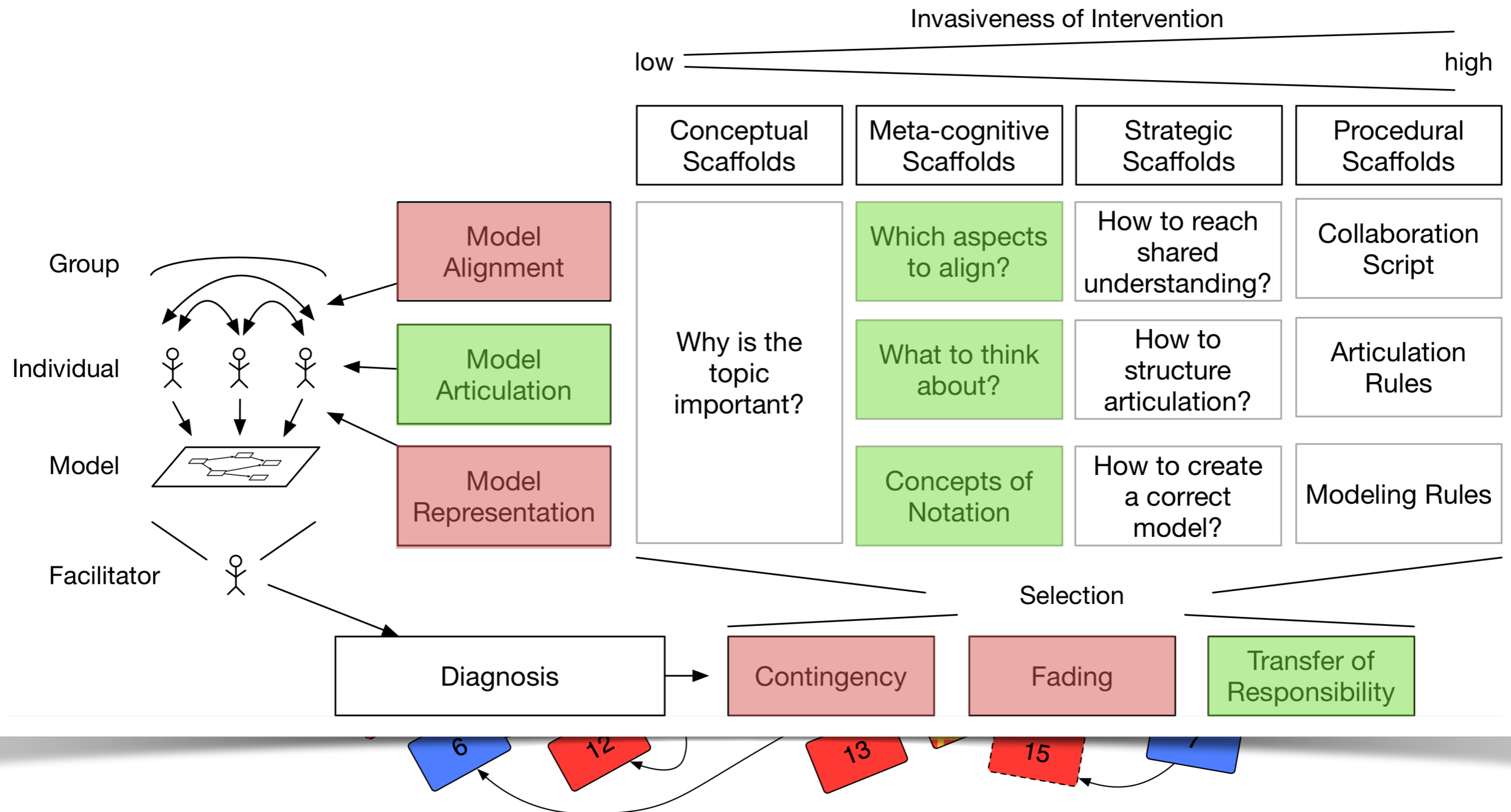
EXAMPLE 1

Legend

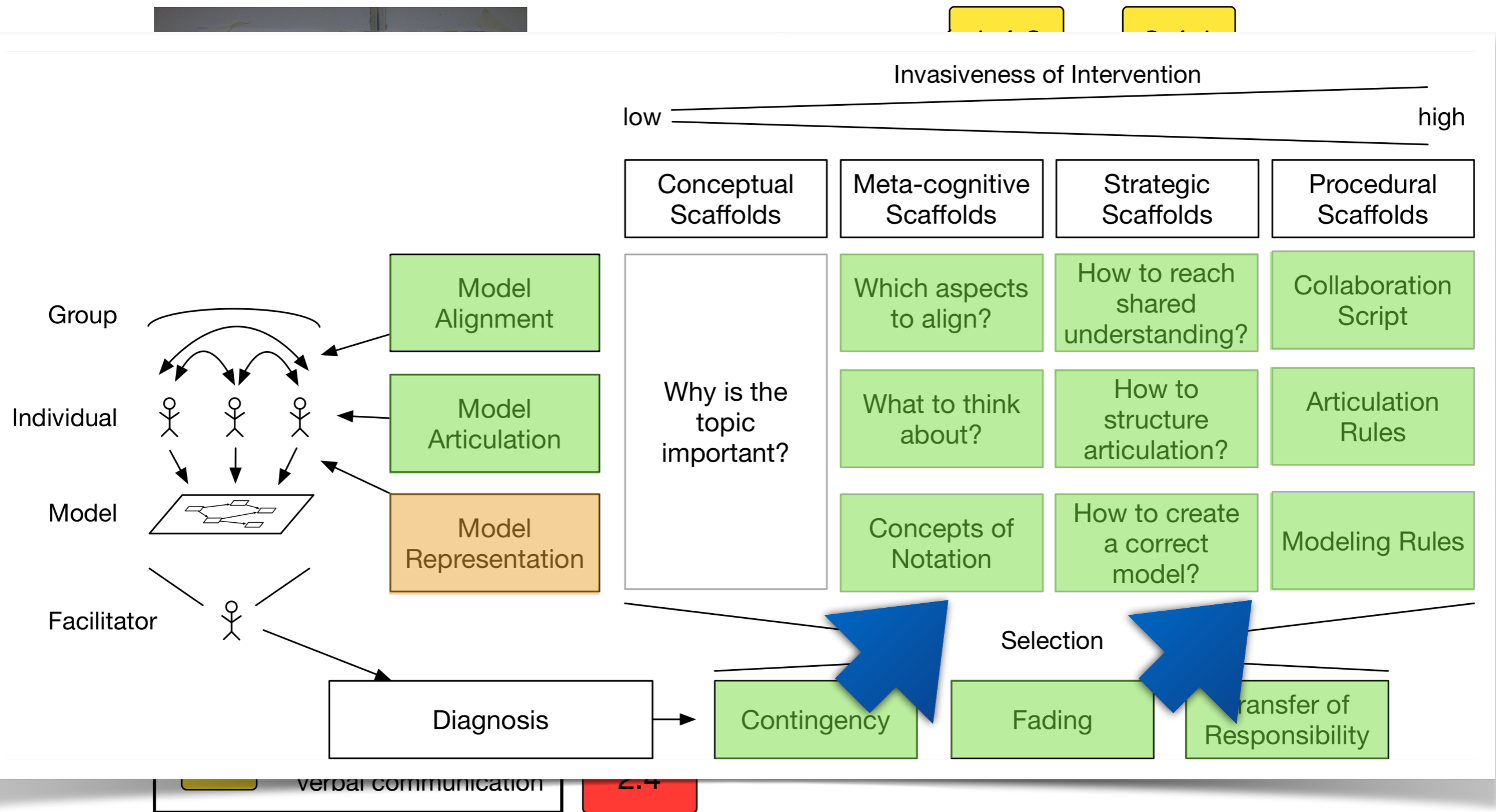


EXAMPLE 2

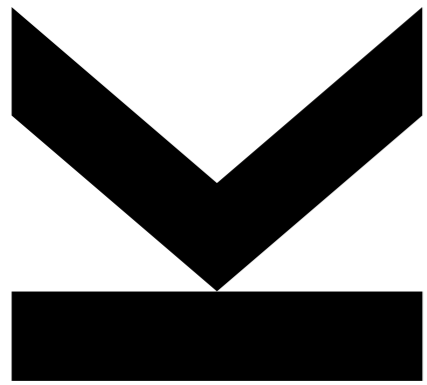
Legend



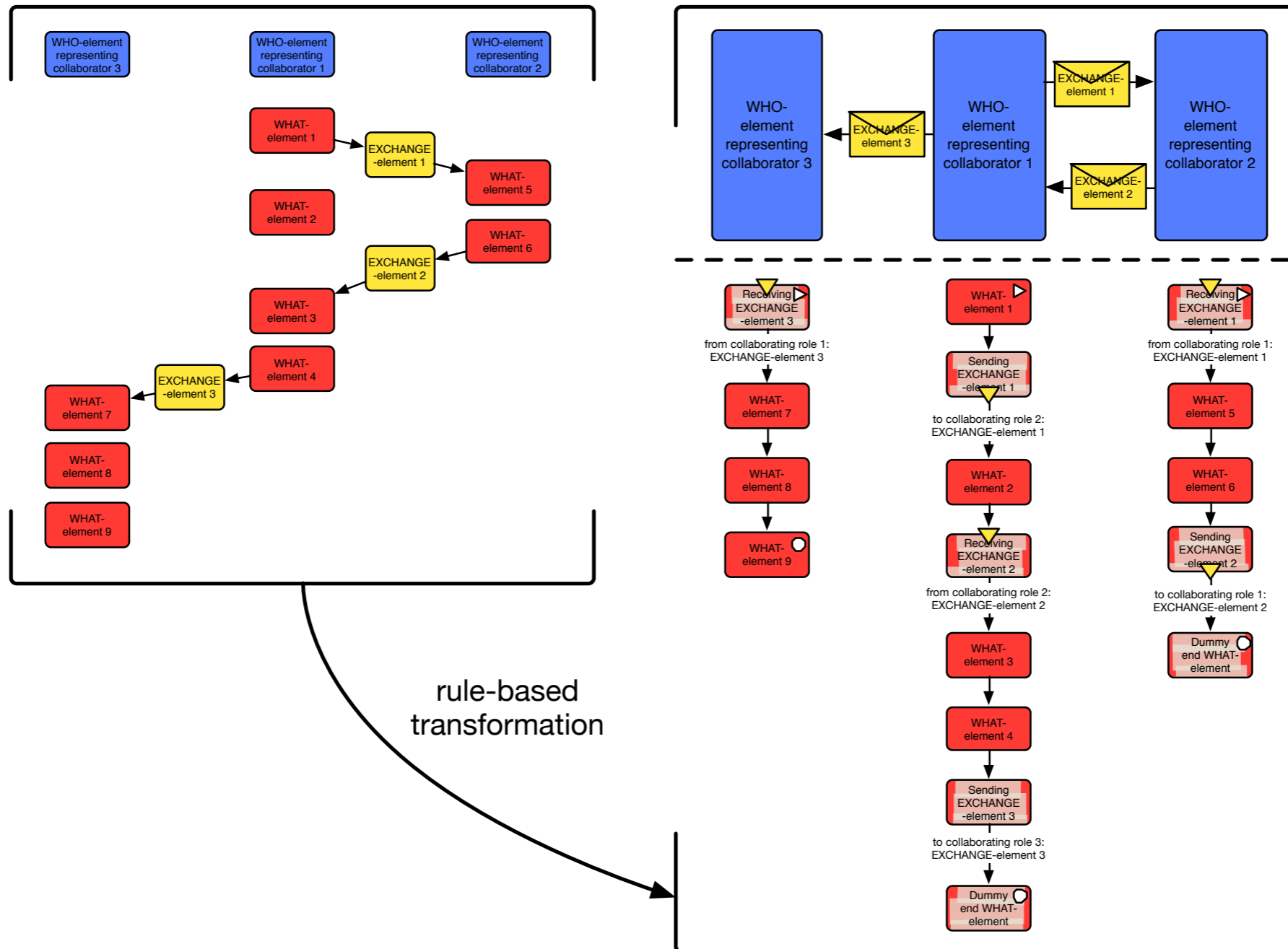
EXAMPLE 3



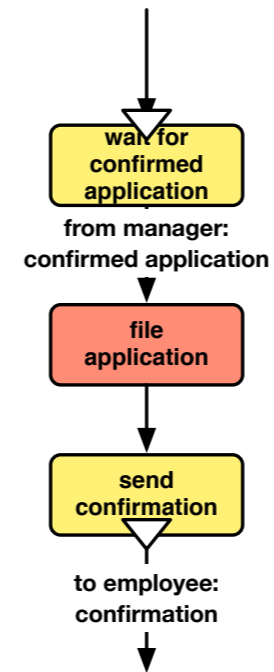
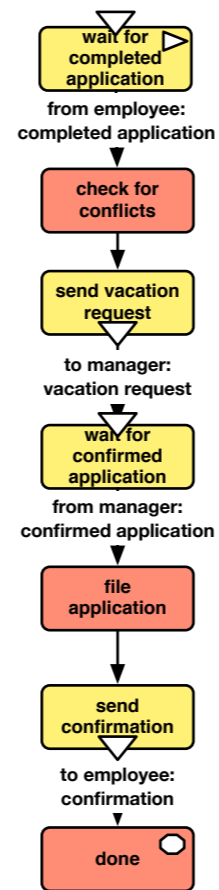
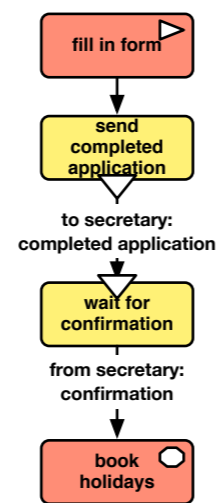
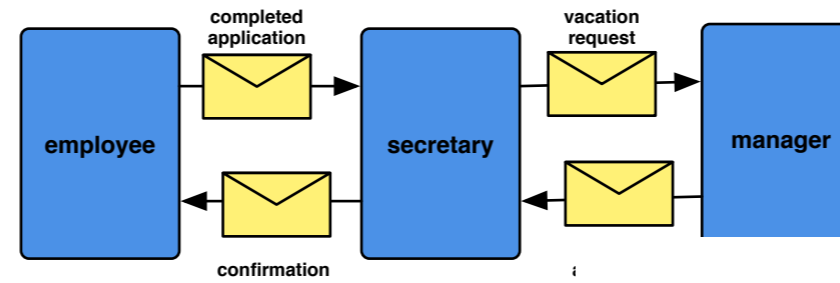
ELABORATION AND VALIDATION OF ARTICULATION RESULTS



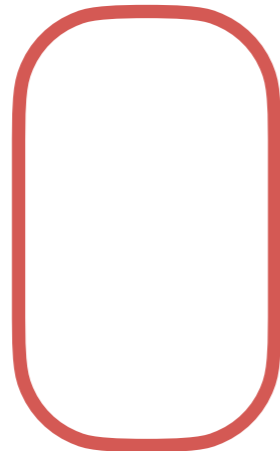
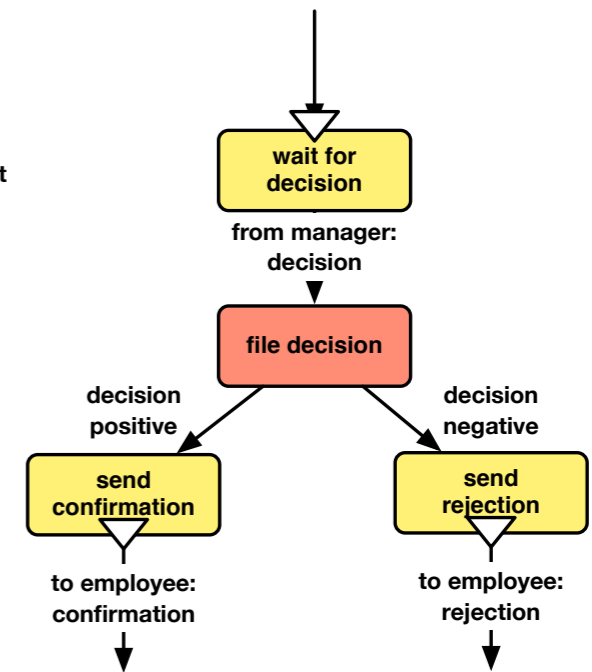
TRANSFORMATION



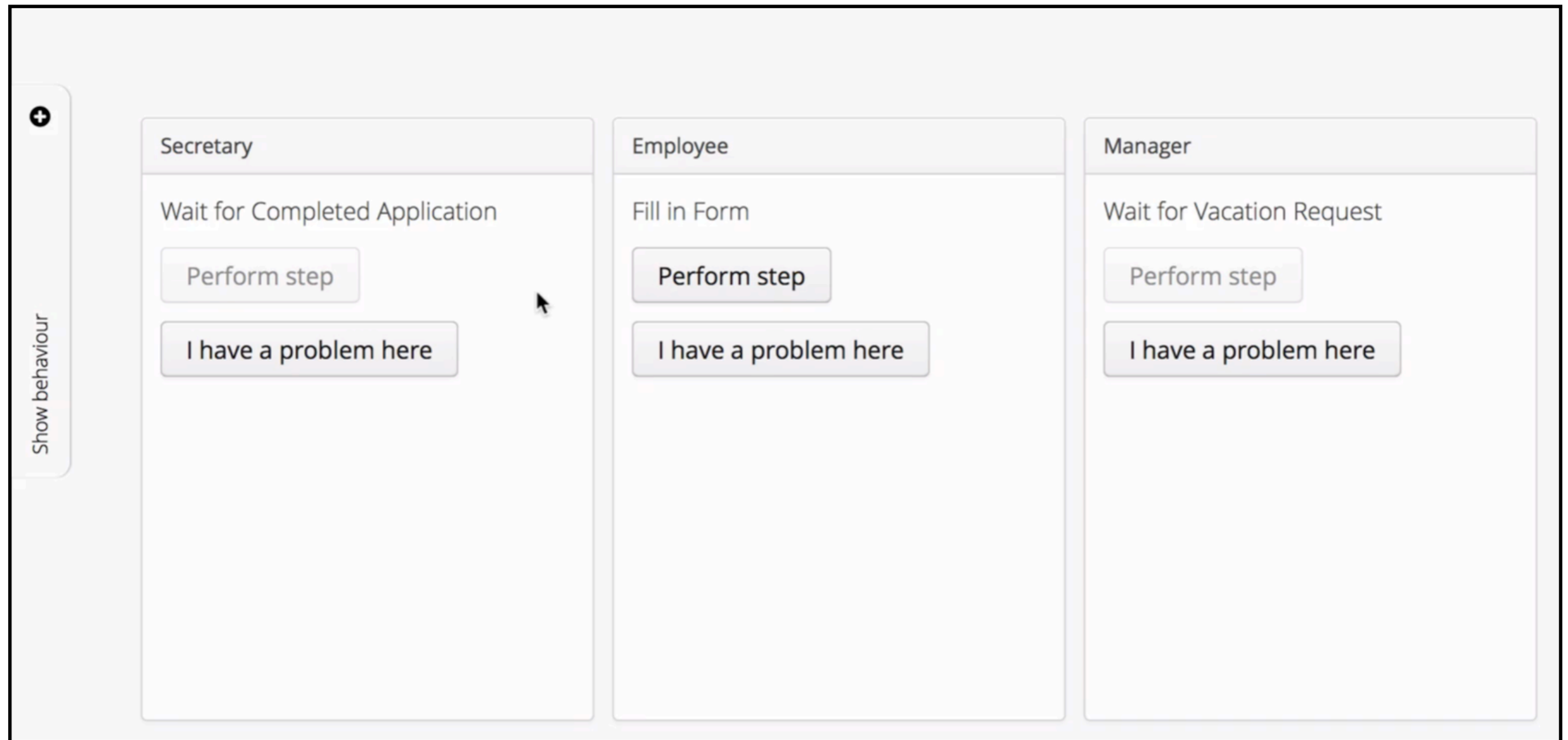
ELABORATION



refinement

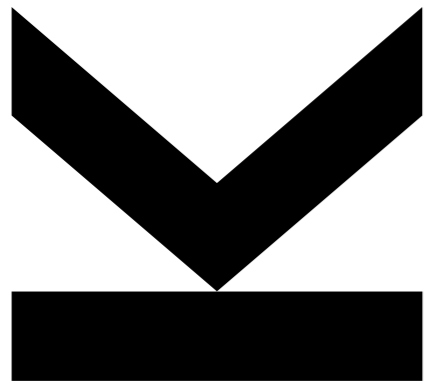


VALIDATION



<http://adaptivetesting.ce.jku.at/VirtualEnactment/>

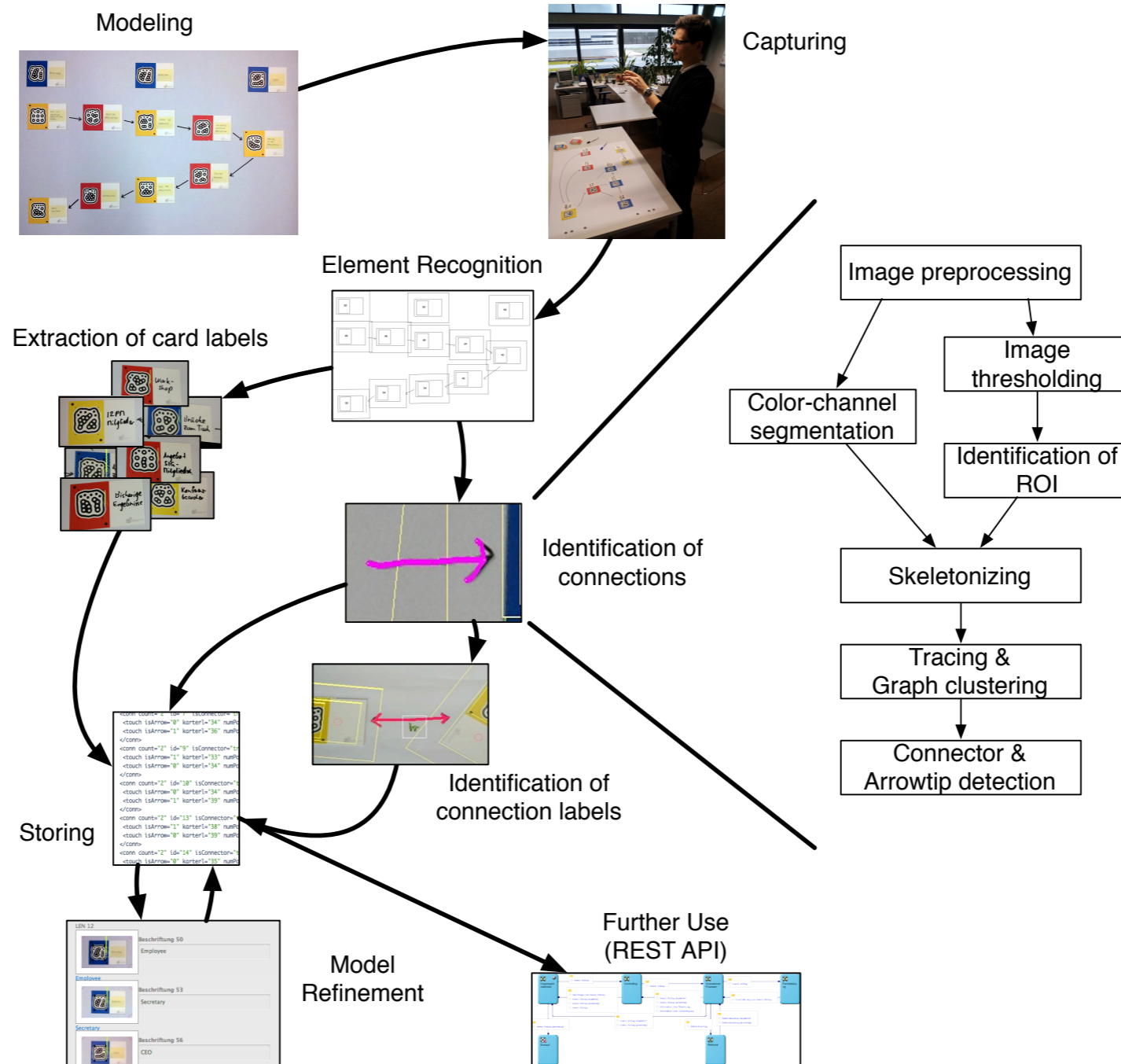
RECOGNITION OF PAPER-BASED MODELS



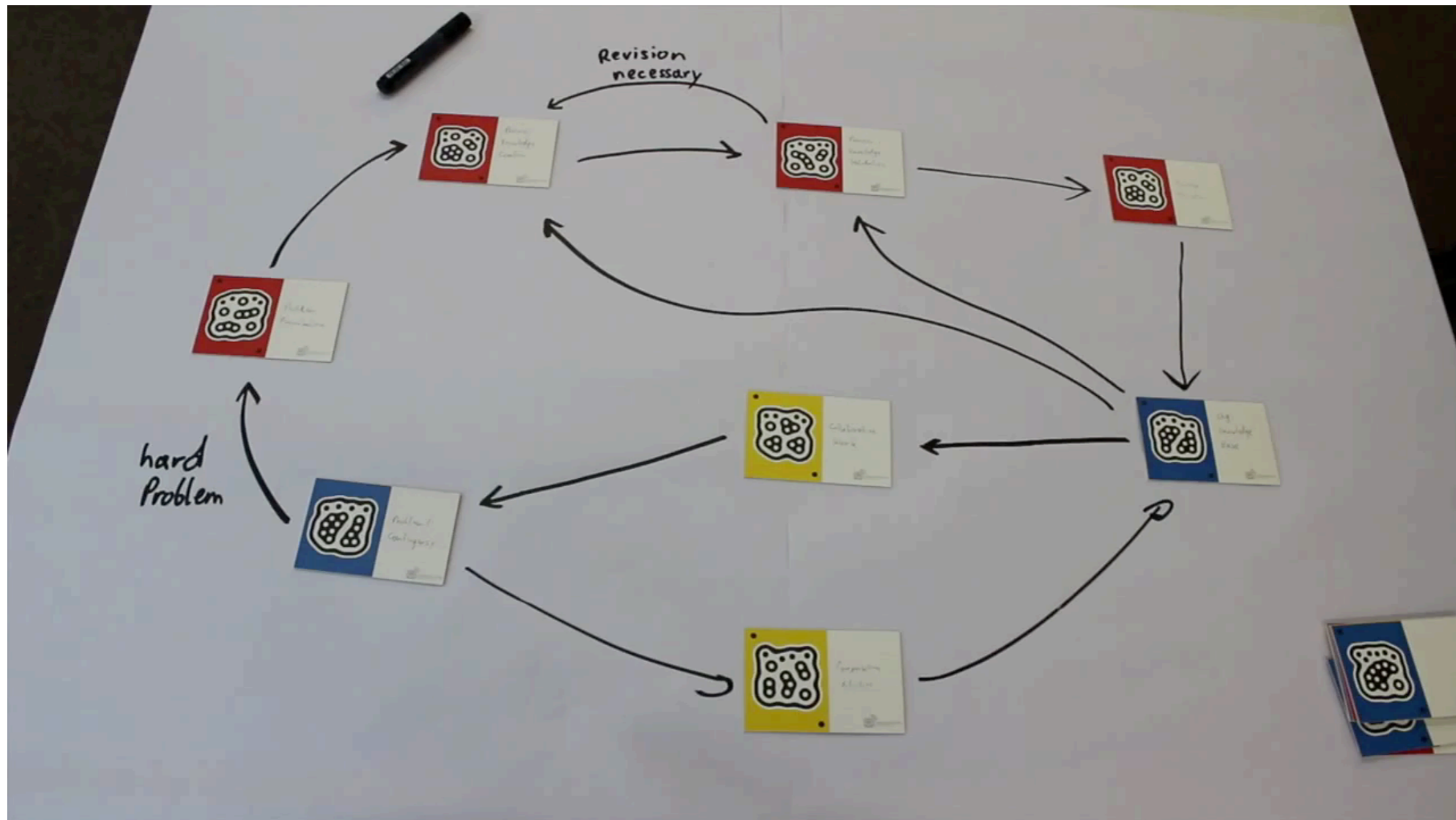
PAPER-BASED MODELS



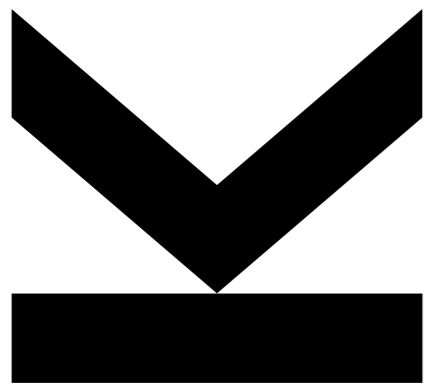
RECOGNITION PROCESS



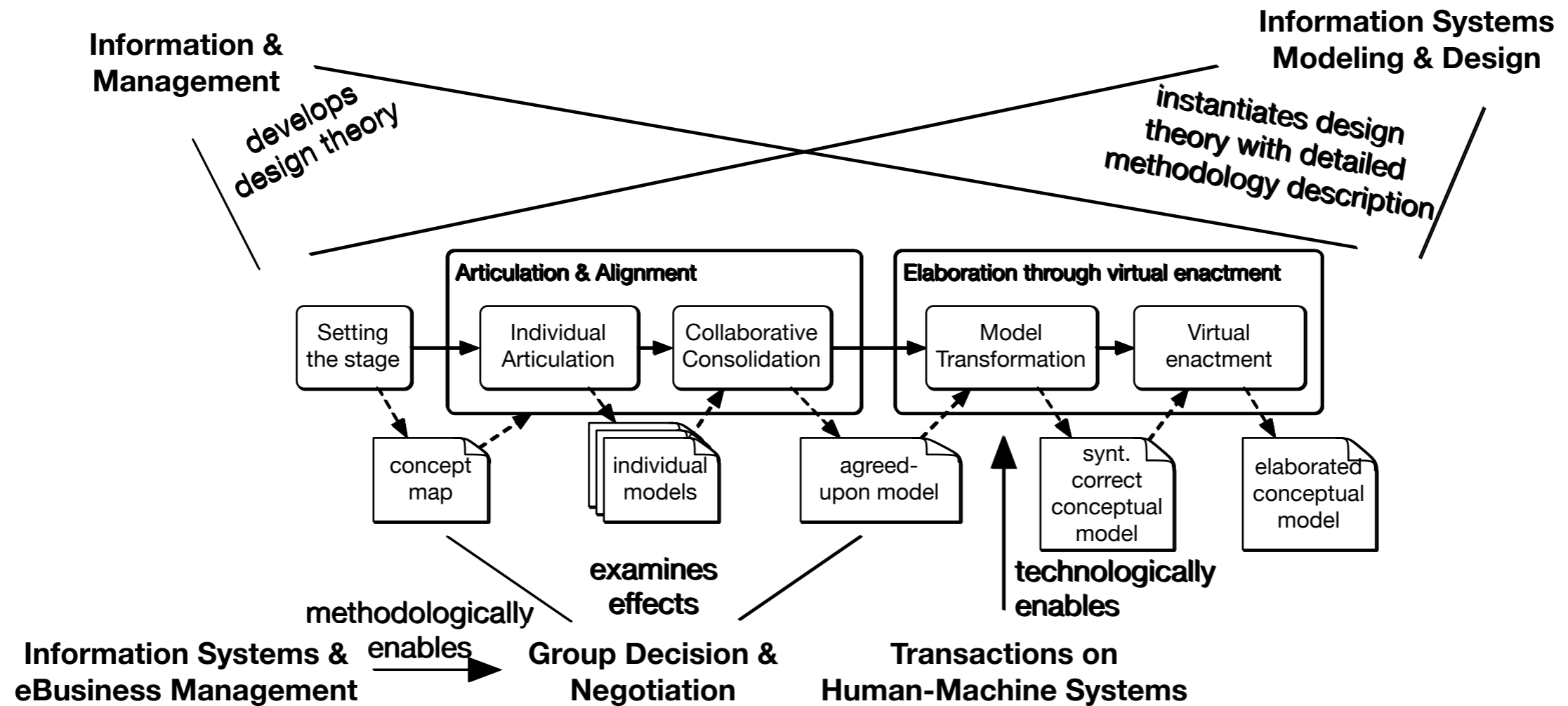
MODEL RECOGNITION



SUMMARY



COVERAGE



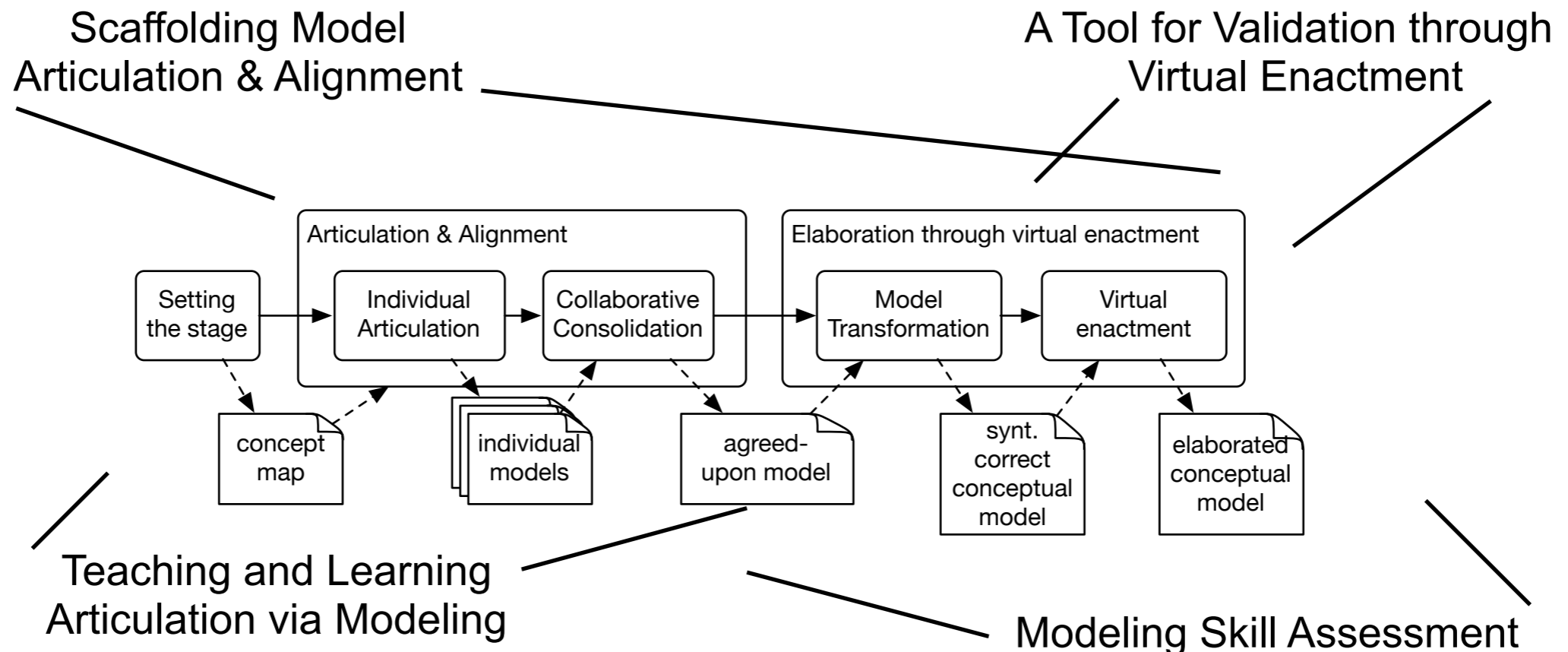
RECENT RESEARCH

Oppl, S., & Hoppenbrouwers, S. (2016). Scaffolding Stakeholder-Centric Enterprise Model Articulation. *Practice of Enterprise Modeling (LNBIP Vol. 267, pp. 133–147)*. Springer. http://doi.org/10.1007/978-3-319-48393-1_10

Oppl, S. (2016). Towards scaffolding collaborative articulation and alignment of mental models. *Procedia Computer Science*, 99, 124–145. <http://doi.org/10.1016/j.procs.2016.09.106>

Hochleitner, F. & Oppl, S. Validation of Business Process Models Through Virtual Enactment - An Empirical Study. In preparation for submission for S-BPM ONE 2018.

Oppl, S. (2017). Business Process Elaboration through Virtual Enactment. *Proceedings of S-BPM ONE 2017*. <http://doi.org/10.1145/3040565.3040568>



Oppl, S., & Hoppenbrouwers, S. (2017). Introducing Fundamental Concepts of Process Modeling through Participatory Simulation. *Proceedings of T4SIS4T 2017*, 286.

Oppl, S. Which concepts do inexperienced modelers use to model work? – An exploratory study. Submitted to MKWI 2017.

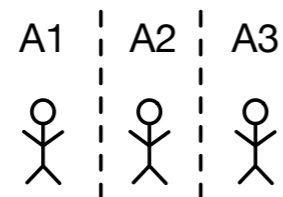
Oppl, S. Incentivizing Student Participation to adopt Flipped Classroom in Lectures. In preparation for submission to *Higher Education Research & Development*.

Oppl, S., Reisinger, F., Eckmaier, A., & Helm, C. (2017). A flexible online platform for computerized adaptive testing. *International Journal of Educational Technology in Higher Education*, 14(1), 1–21. <http://doi.org/10.1186/s41239-017-0039-0>

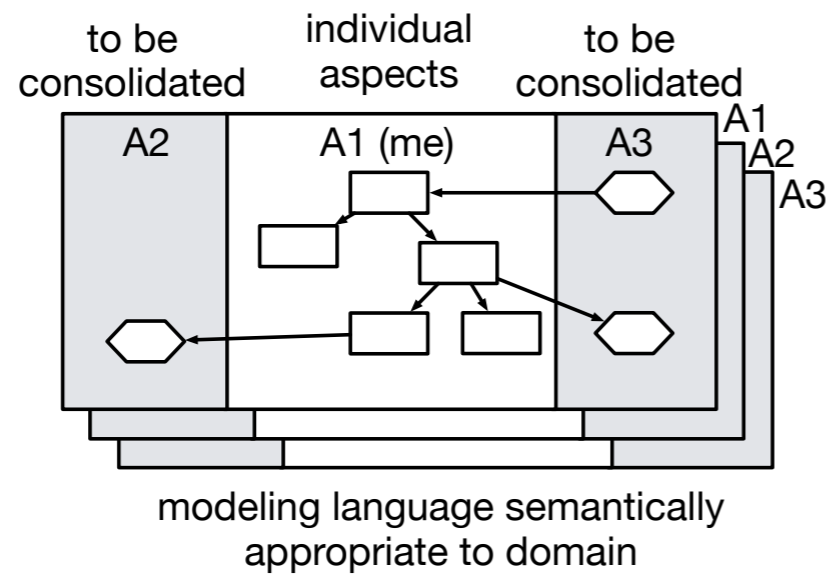
Graf, D., Oppl, S., & Eckmaier, A. (2017). Towards BPM Skill Assessment using Computerized Adaptive Testing. *Proceedings of S-BPM ONE 2017* <http://doi.org/10.1145/3040565.3040567>

PERSPECTIVES: GENERALIZATION

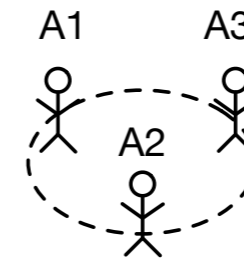
Step 1



individual articulation

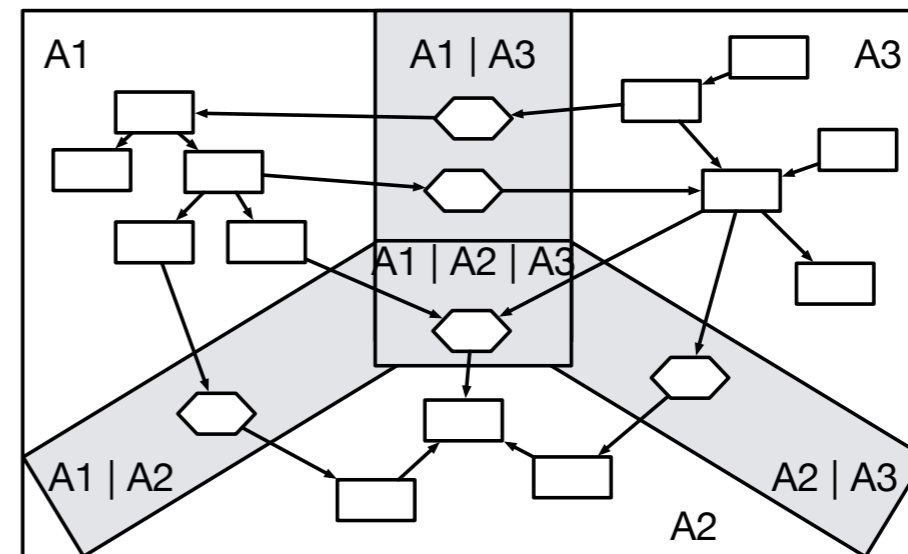


Step 2



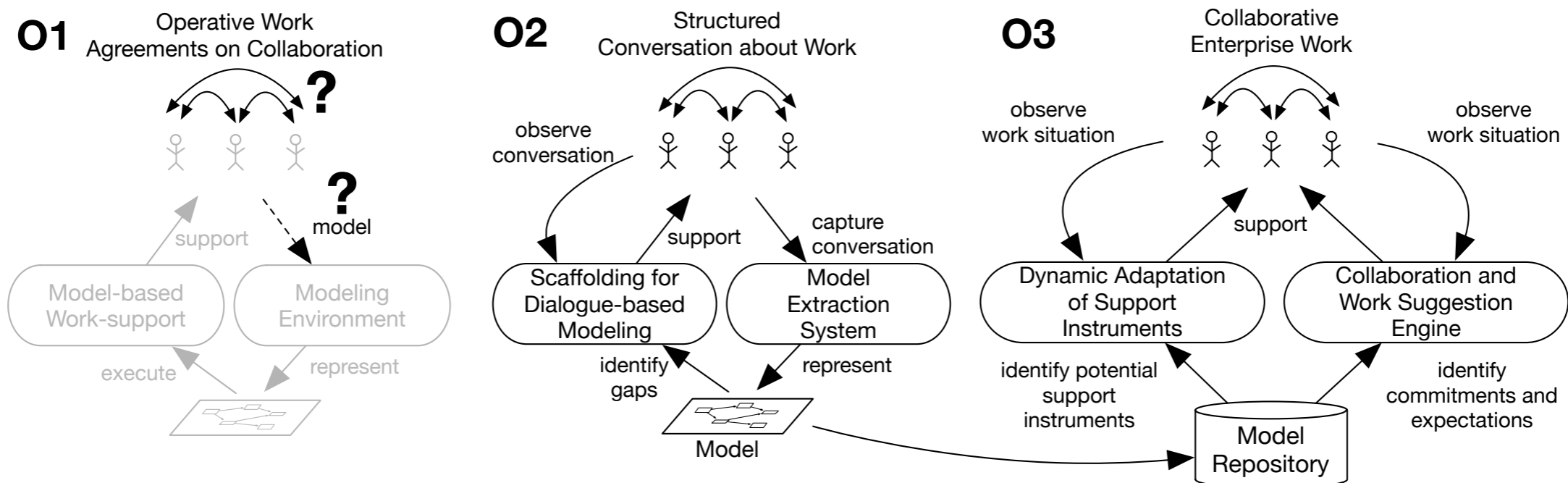
confrontative consolidation

A1+A2+A3



PERSPECTIVES: BROADENING SCOPE

Scaffolding Conversational Modeling for Situation-specific Work Support



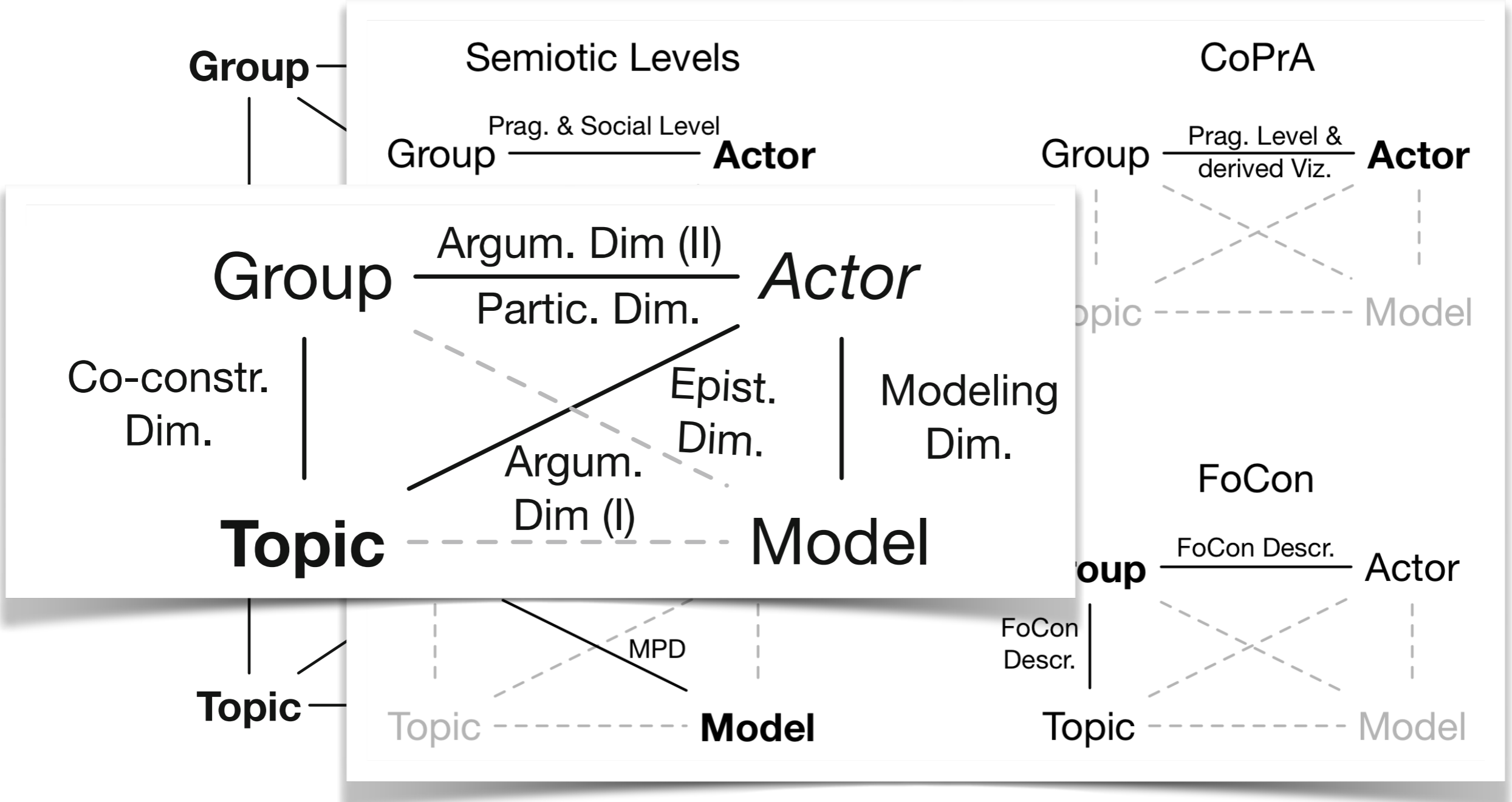
THANK YOU



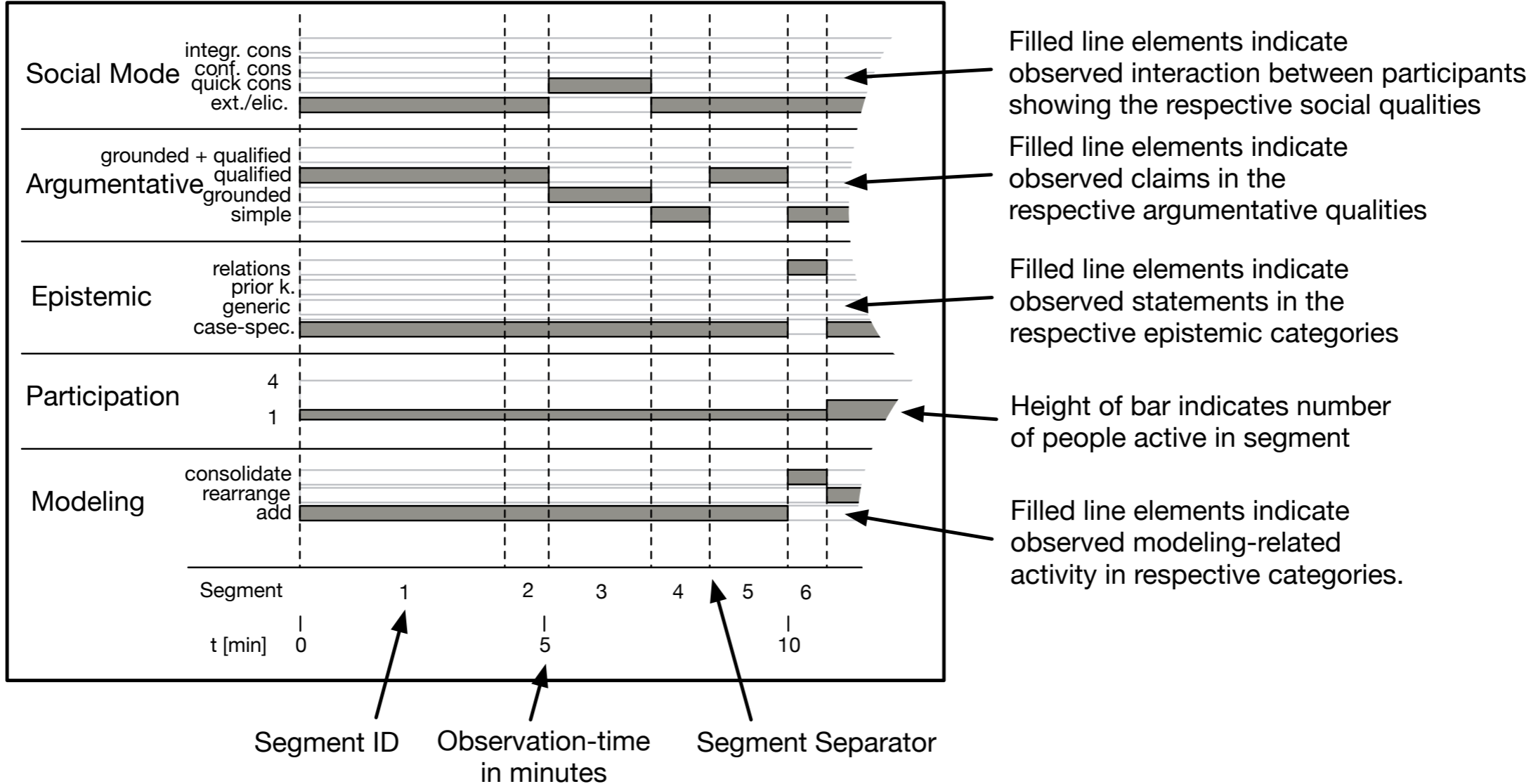
EVALUATION OF MODELING FOR KNOWLEDGE ARTICULATION



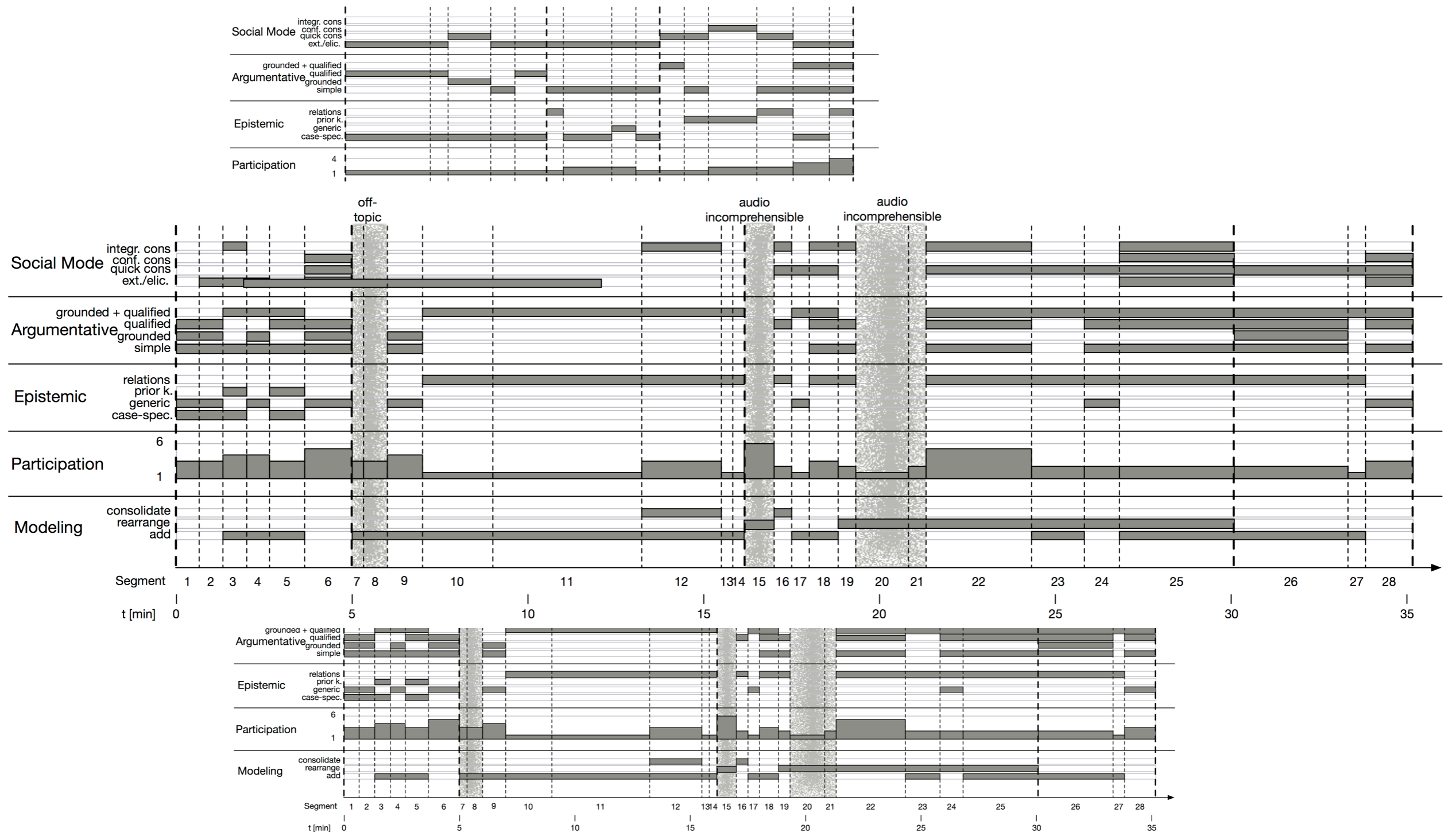
ANALYTICAL FRAMEWORK



ANALYSIS SCHEME



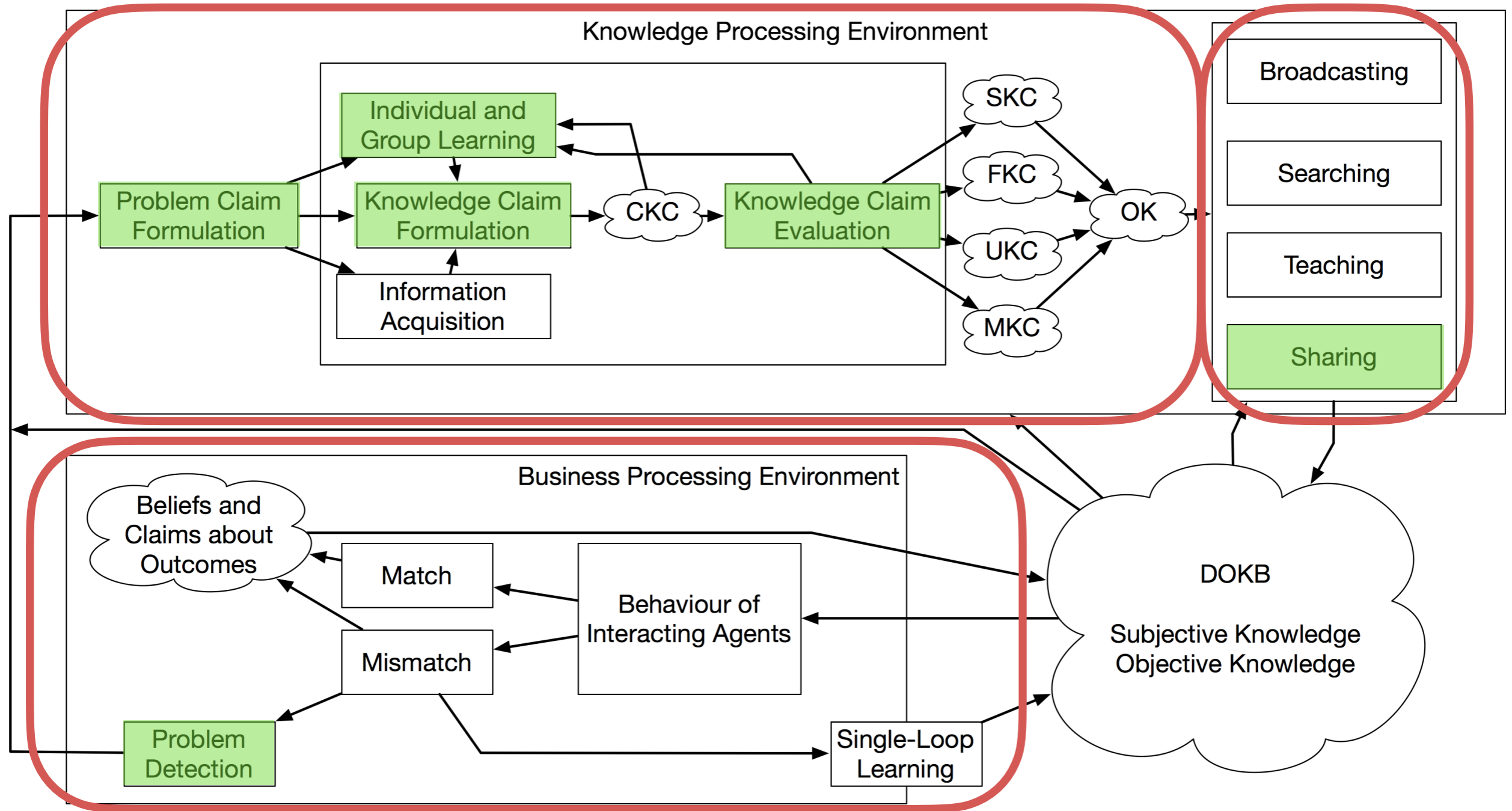
SAMPLE RESULTS



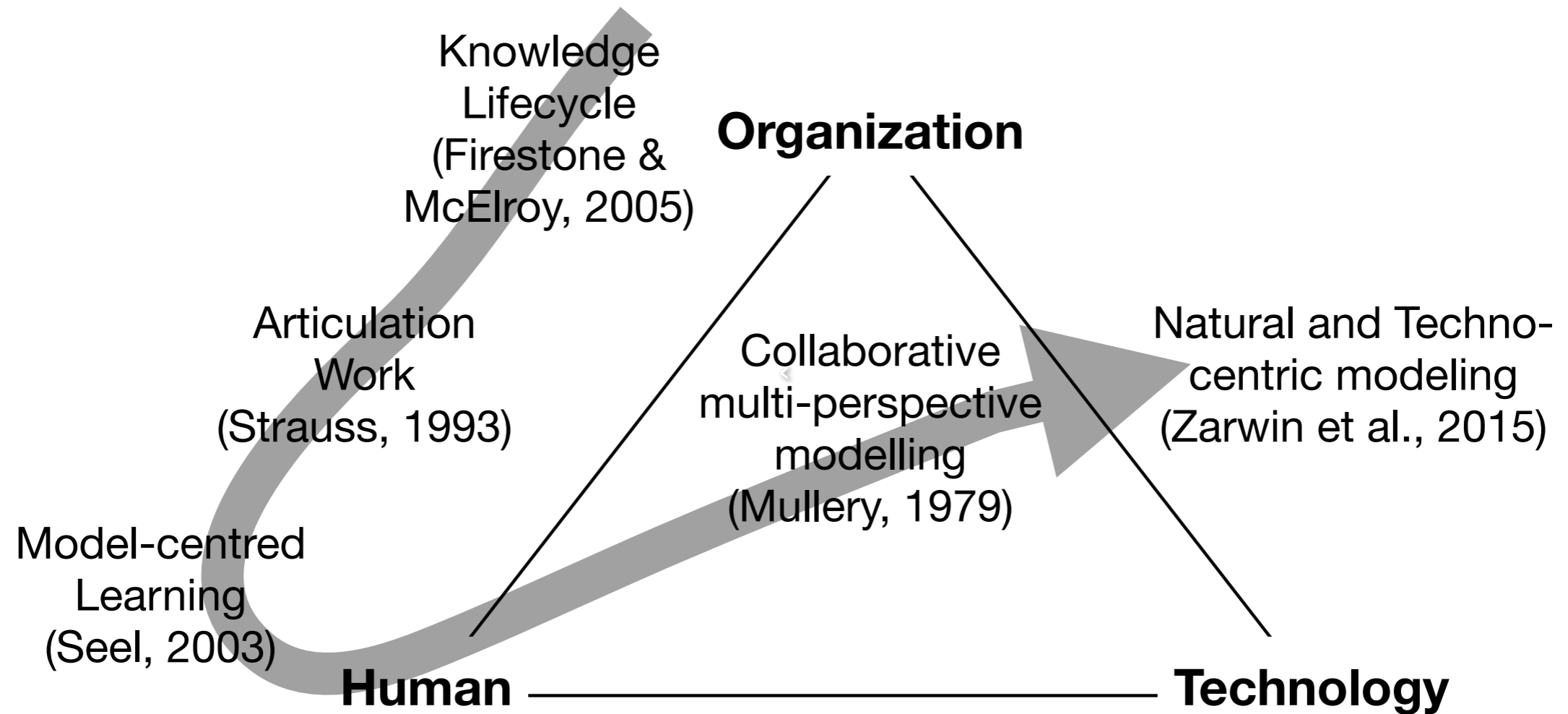
THEORIES



KNOWLEDGE LIFE CYCLE



KERNEL THEORIES



A DESIGN SCIENCE PERSPECTIVE

