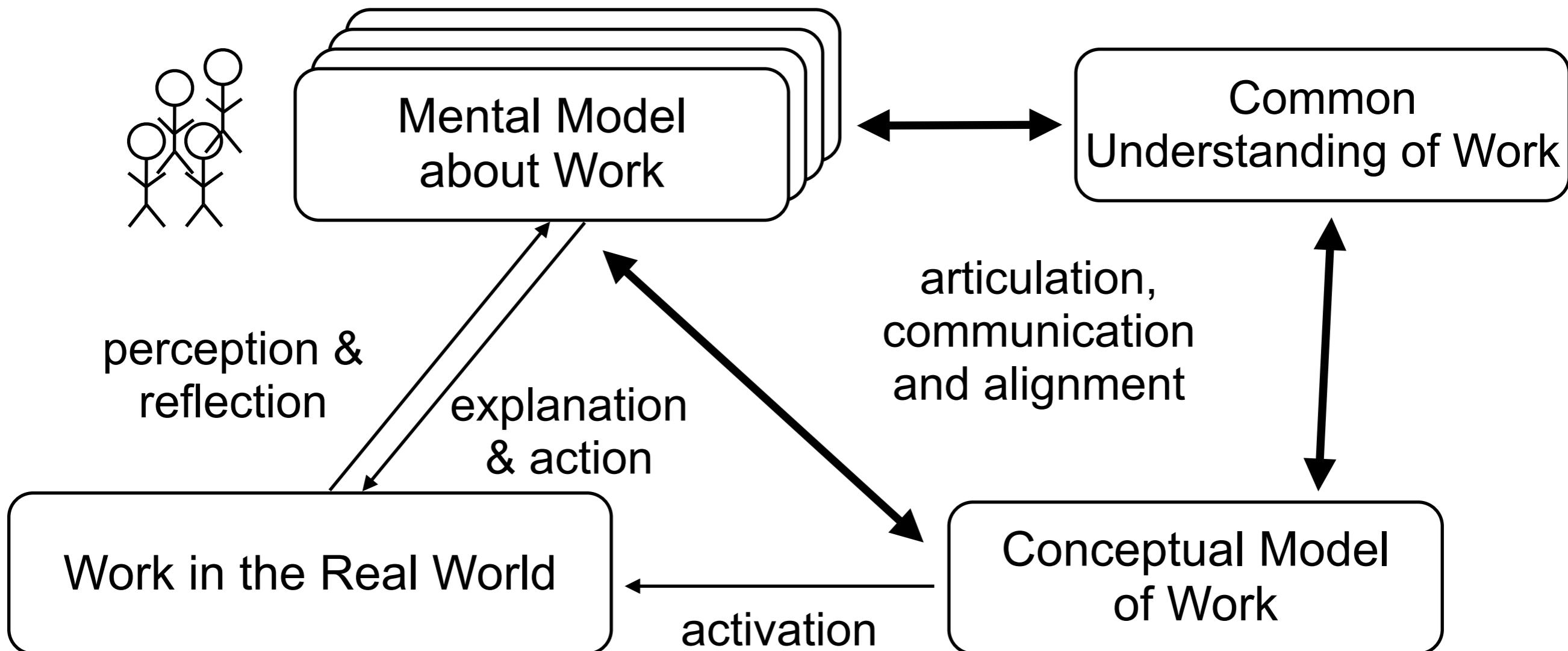


FACILITATING ORGANIZATIONAL ALIGNMENT THROUGH PEOPLE- CENTRIC ARTICULATION OF KNOWLEDGE ABOUT WORK

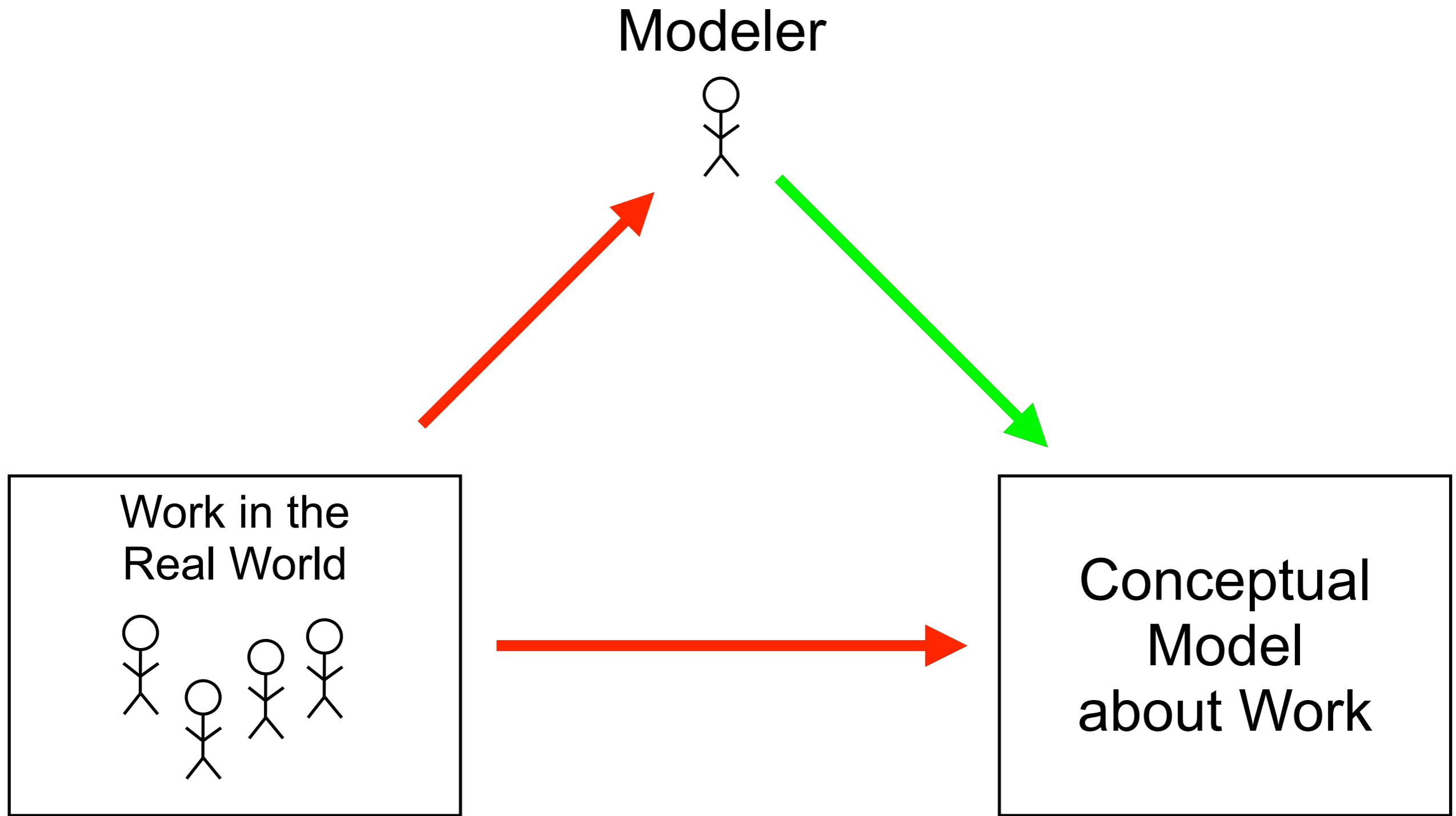


Stefan Oppl
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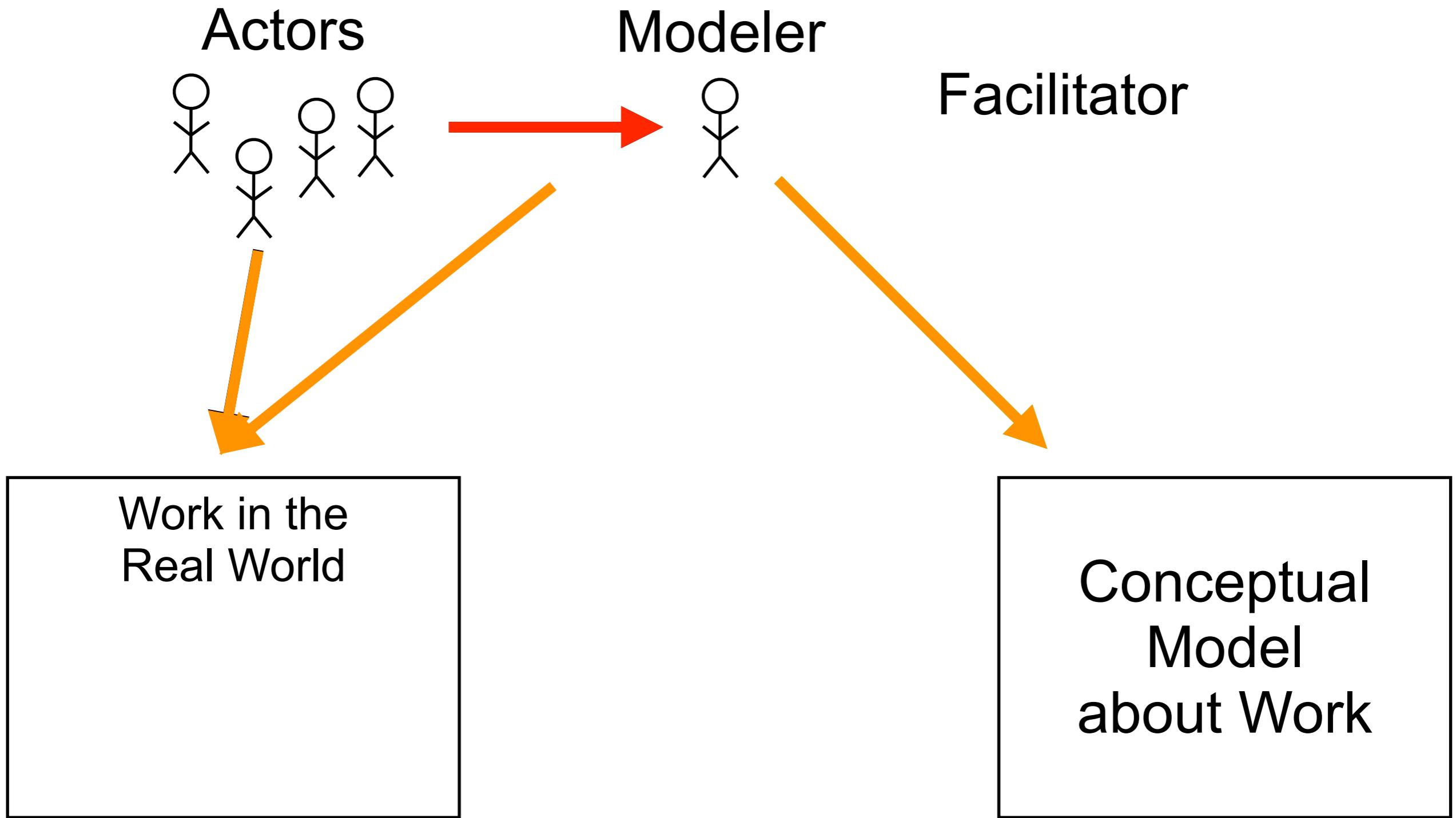
MENTAL MODEL ARTICULATION



MODELER'S BIAS



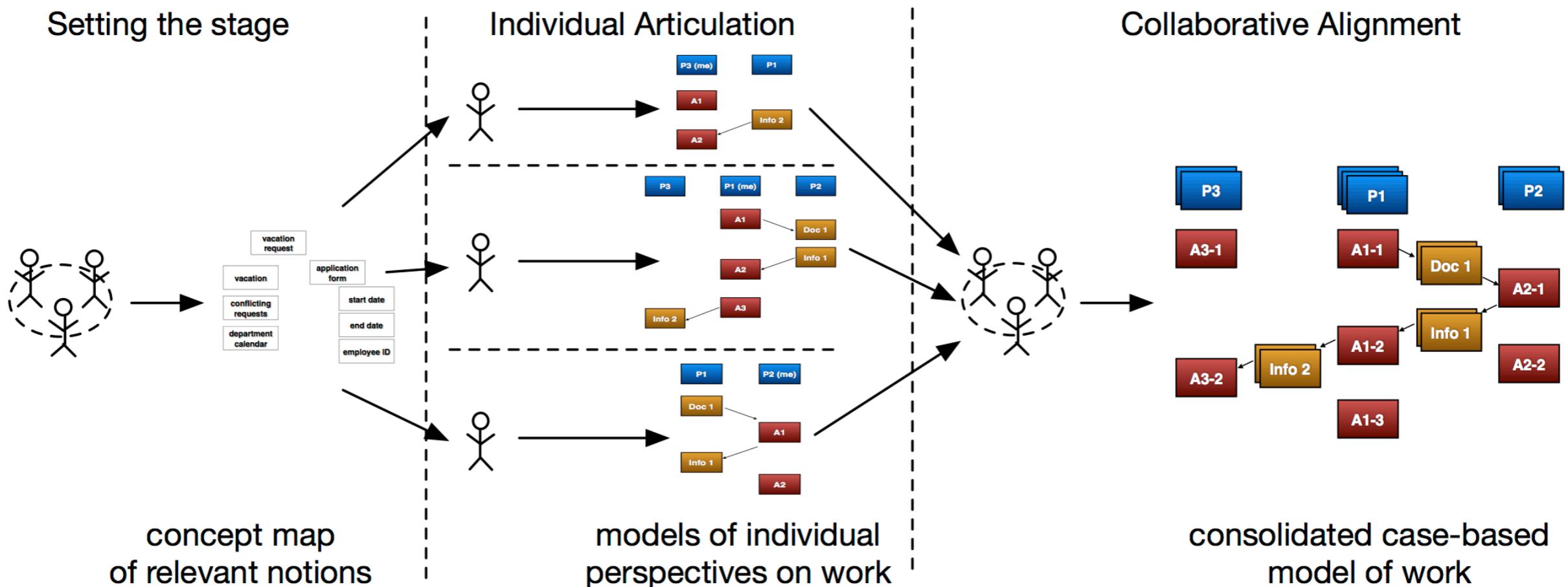
PEOPLE-CENTRIC ARTICULATION



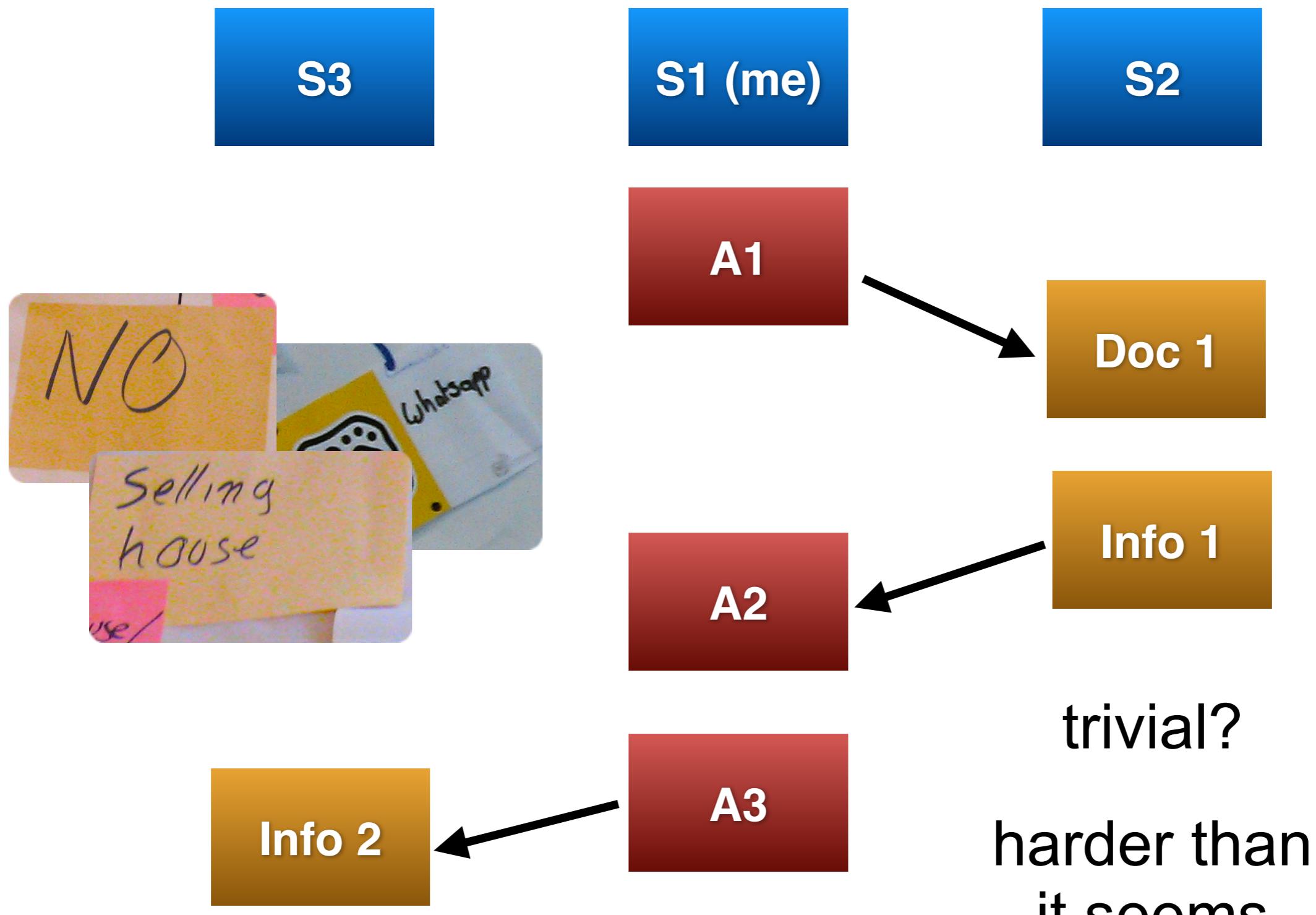
ARTICULATION THROUGH MULTI- PERSPECTIVE MODELING



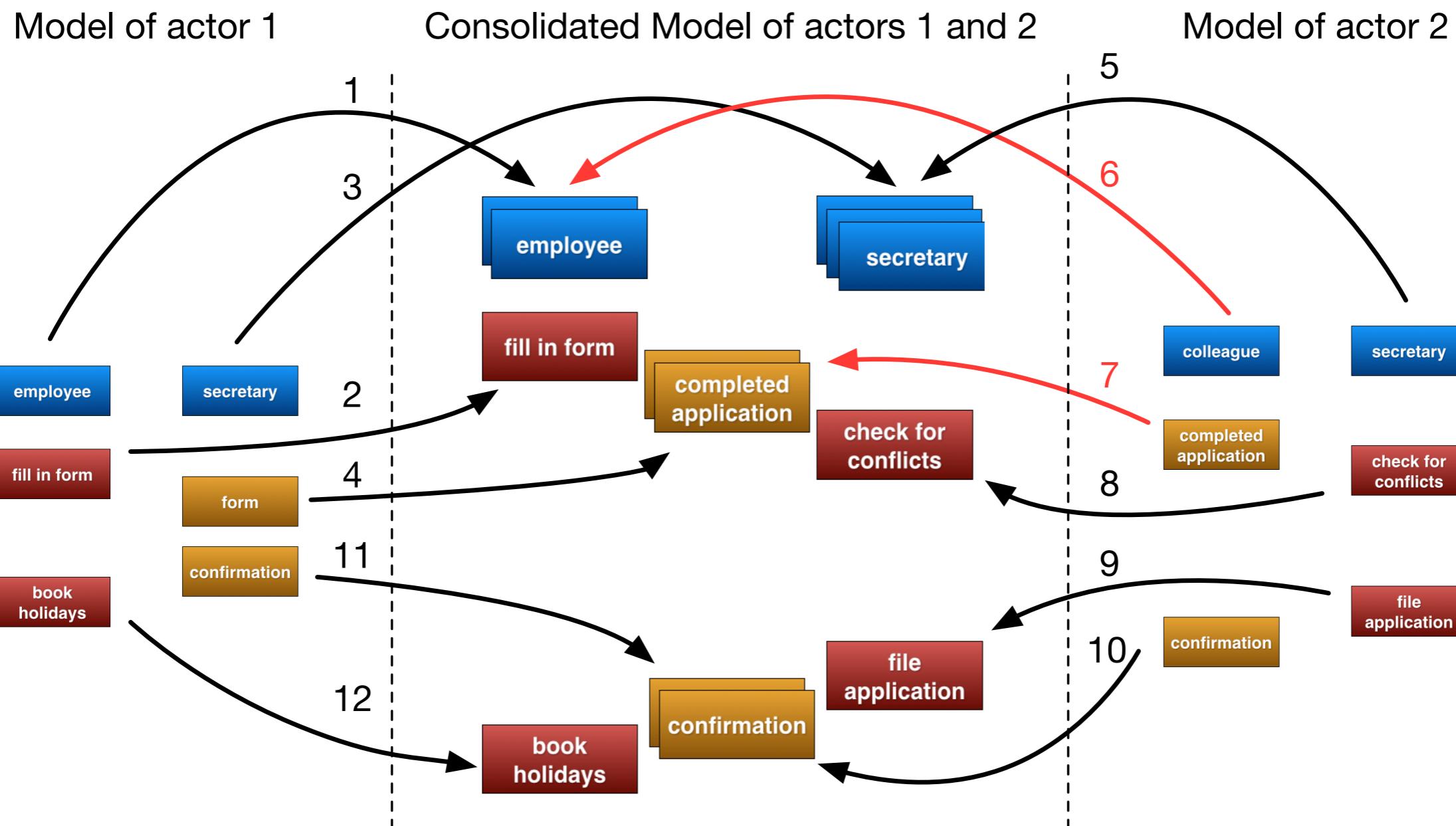
OVERALL PROCESS



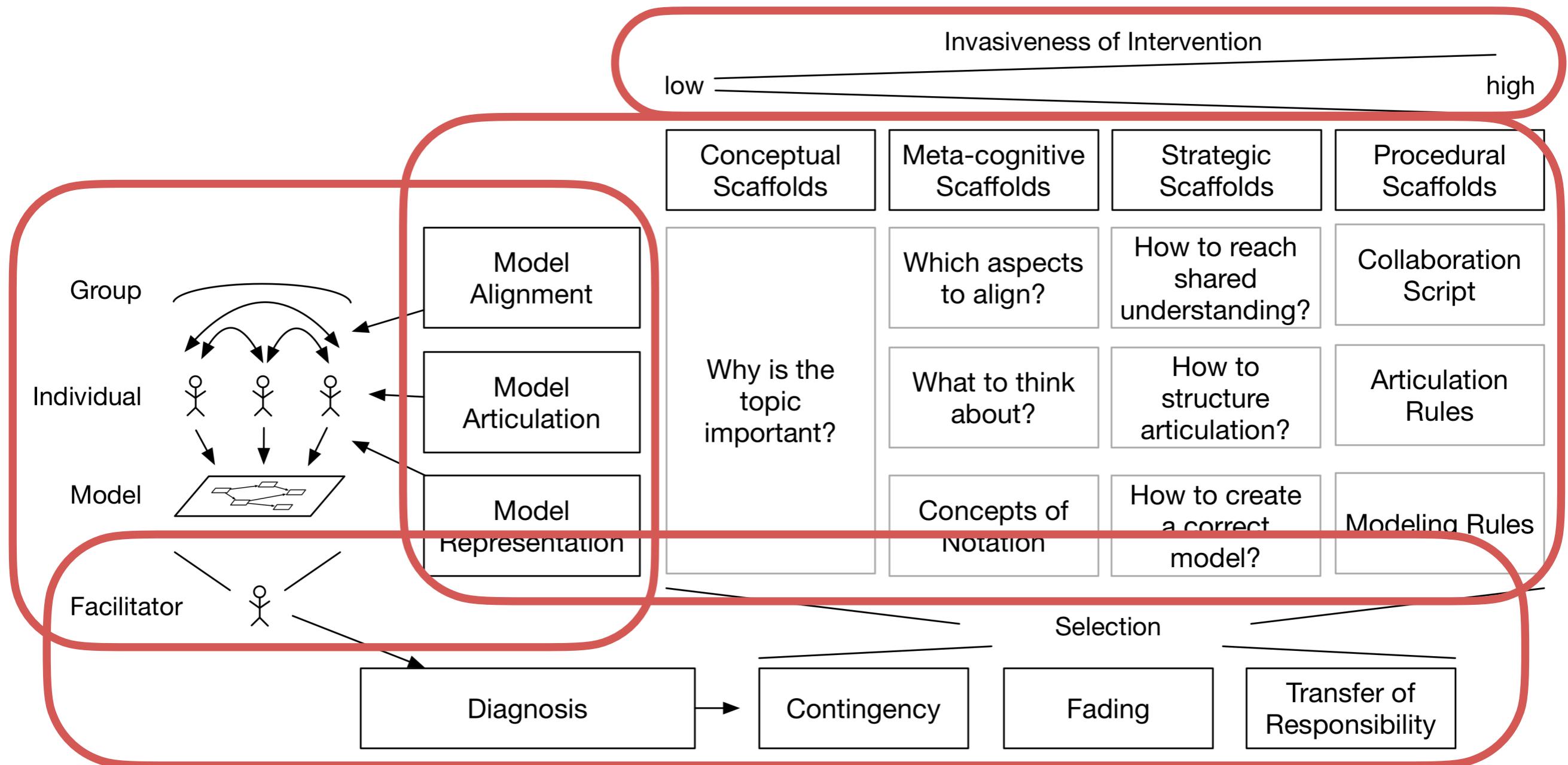
INDIVIDUAL ARTICULATION



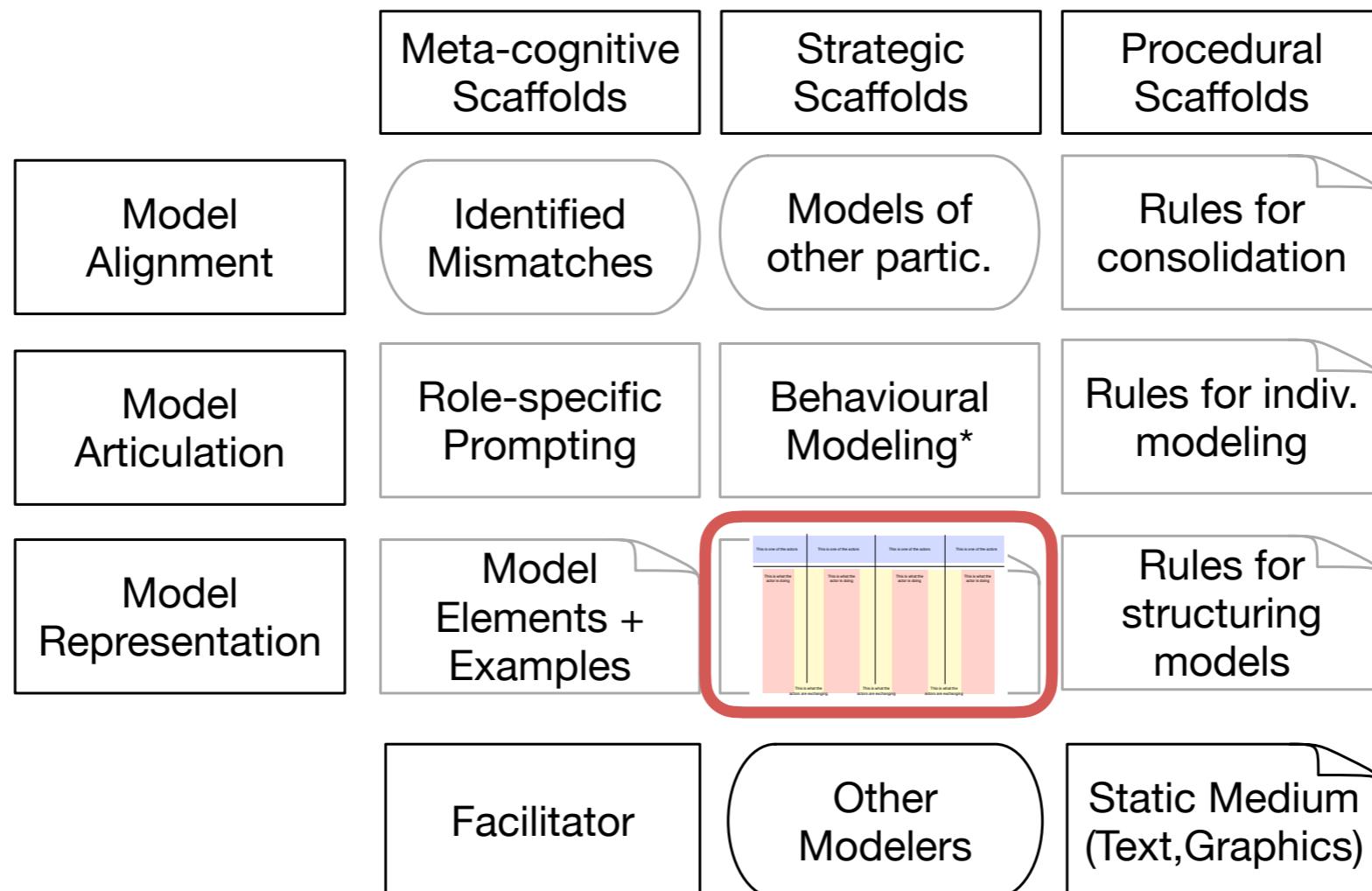
COLLABORATIVE ALIGNMENT



FACILITATION THROUGH SCAFFOLDING

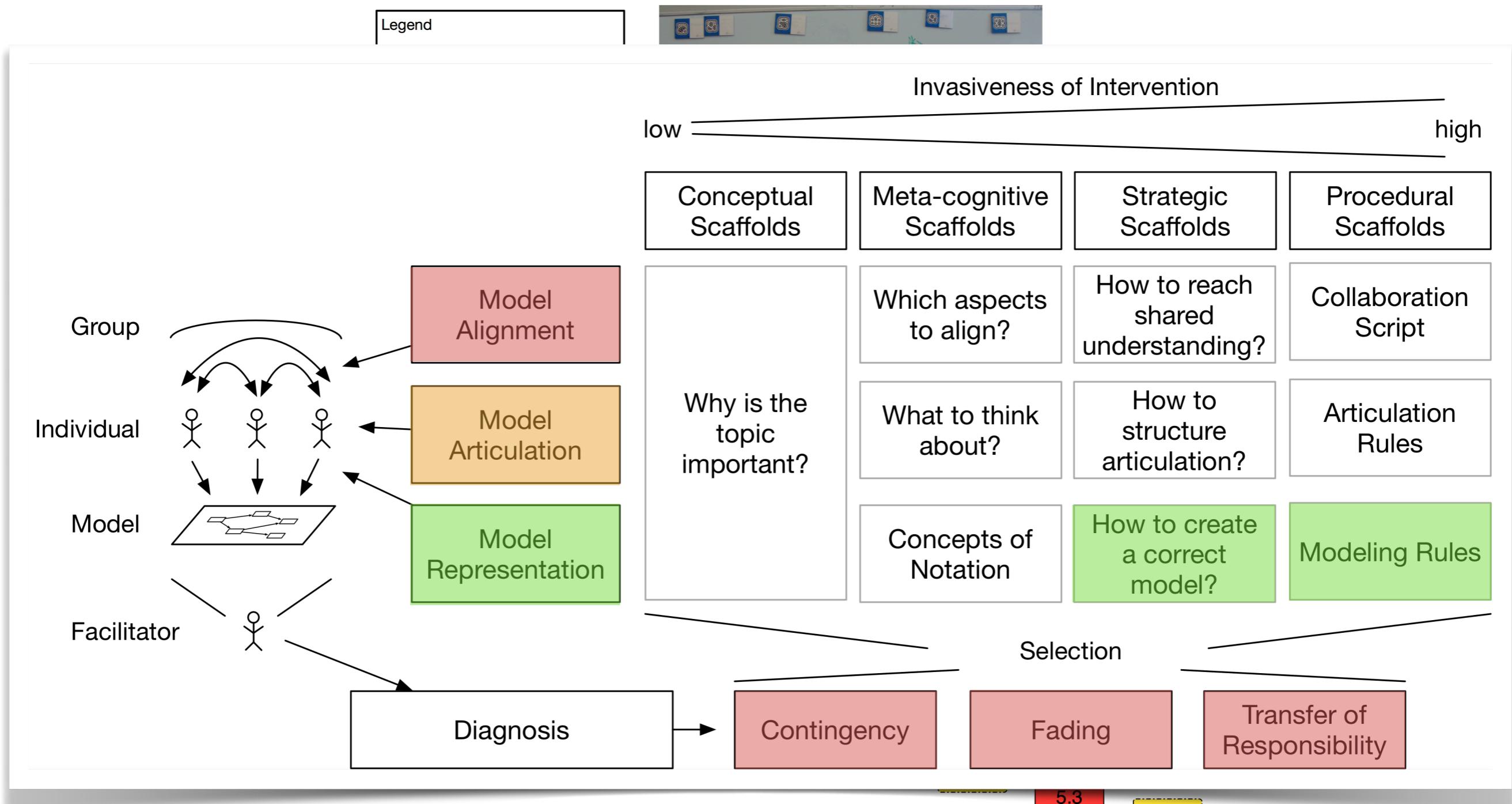


FACILITATION THROUGH SCAFFOLDING

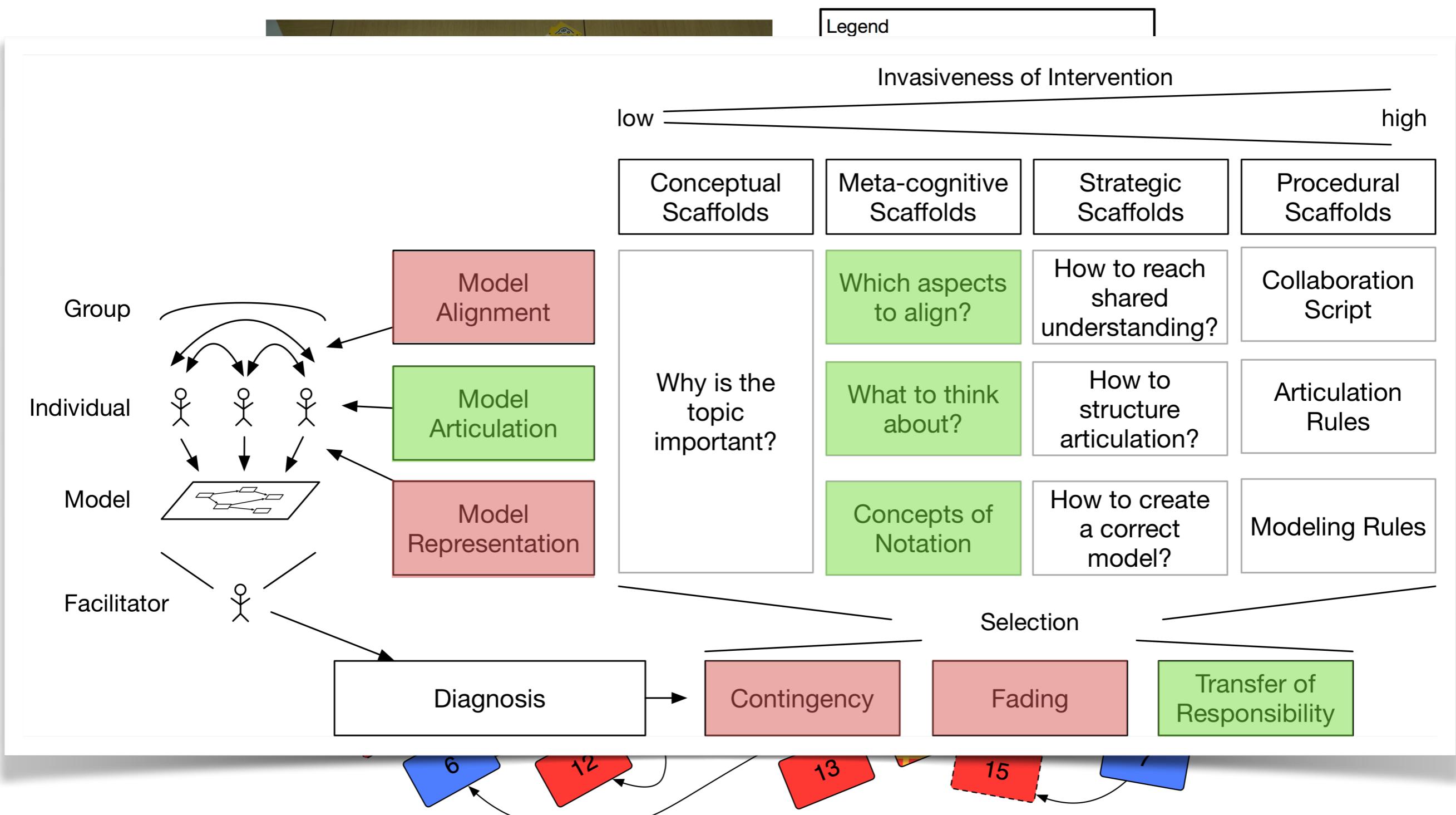


* here referring to „acting as a model on how to solve the problem“

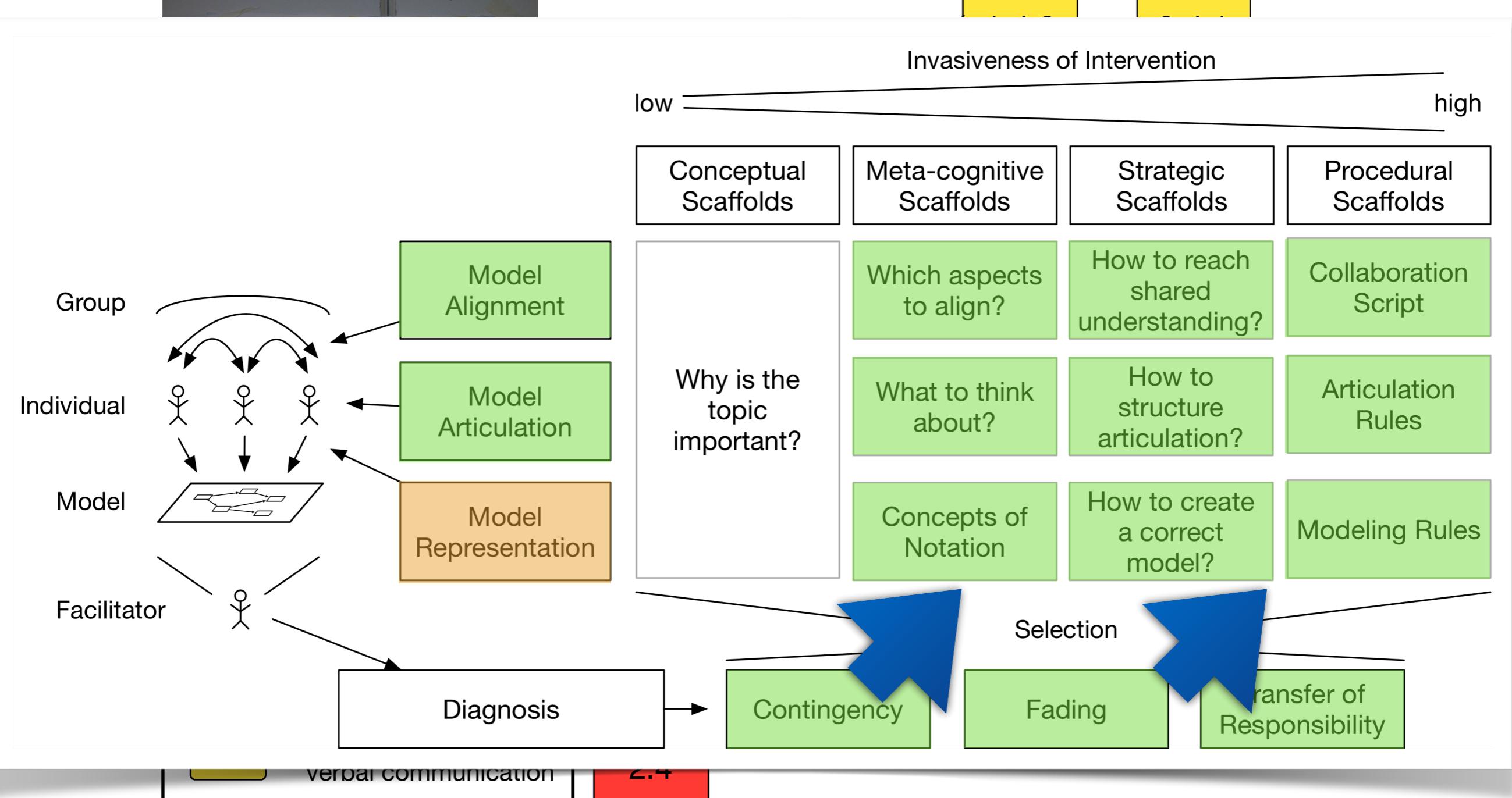
EXAMPLE 1



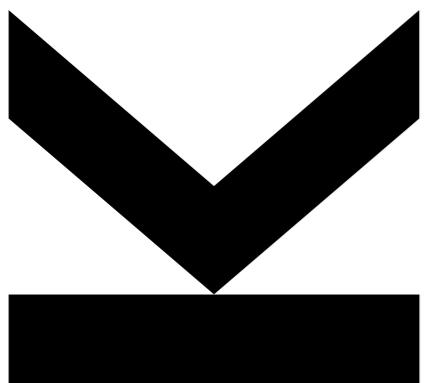
EXAMPLE 2



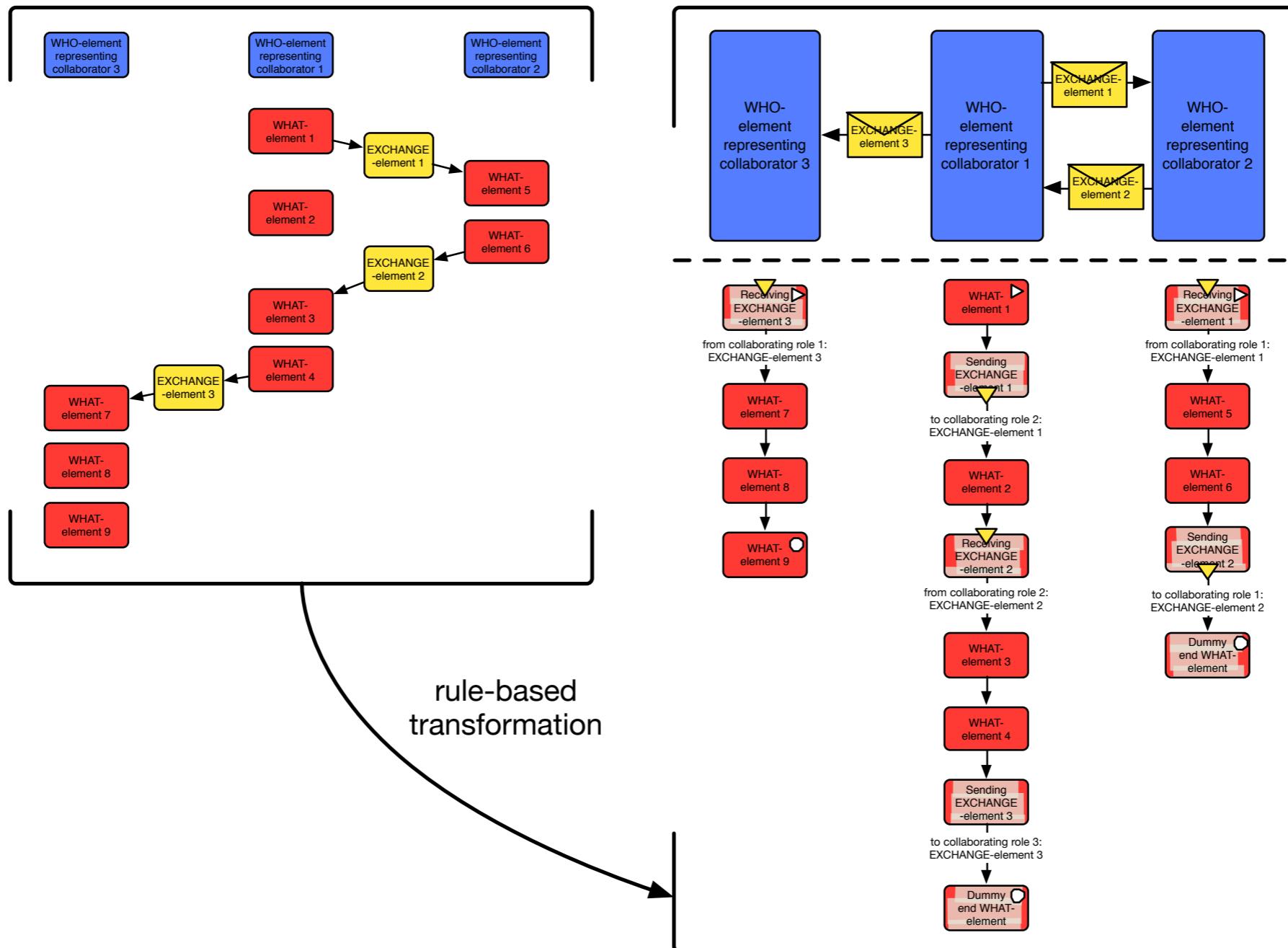
EXAMPLE 3



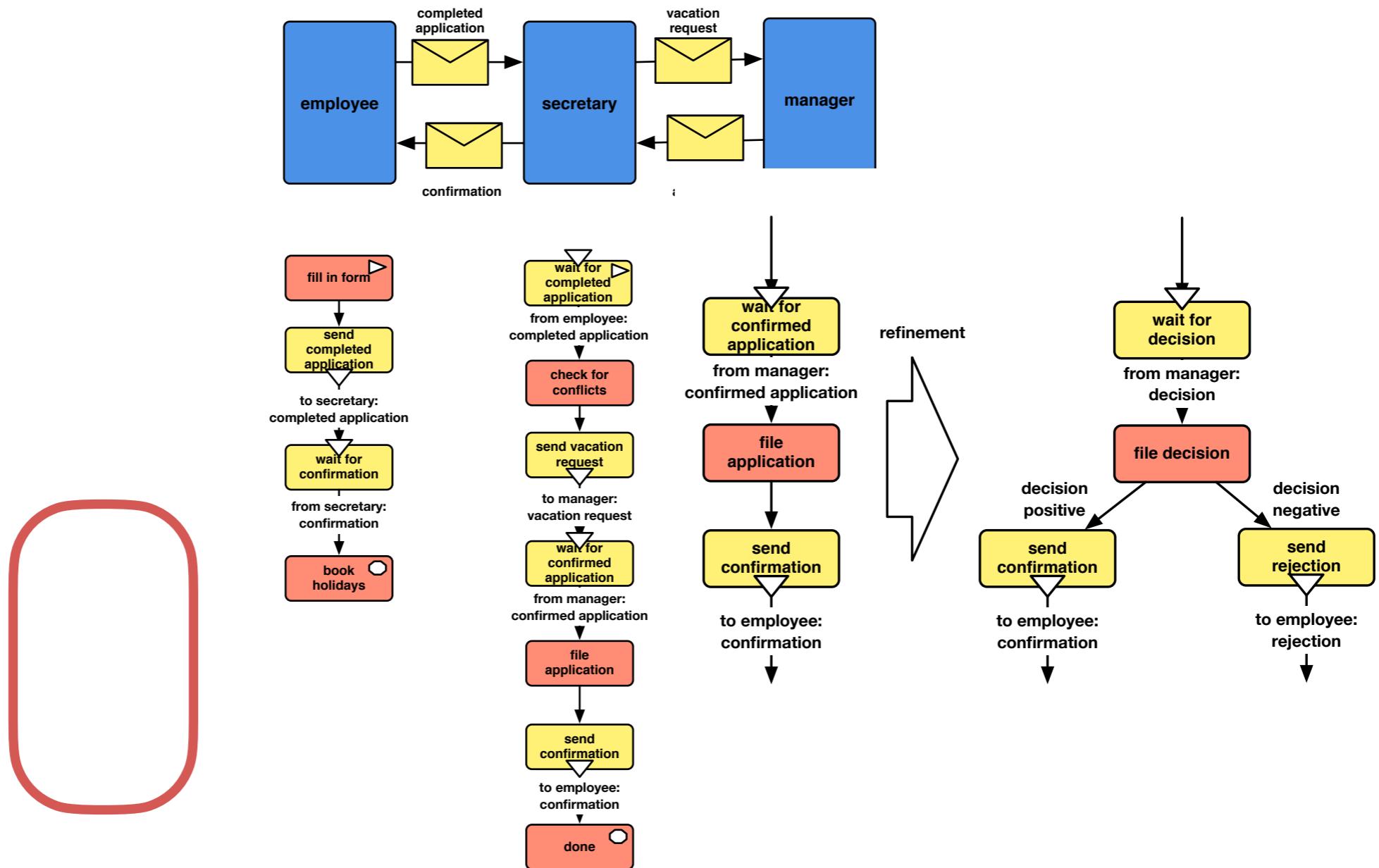
ELABORATION AND VALIDATION OF ARTICULATION RESULTS



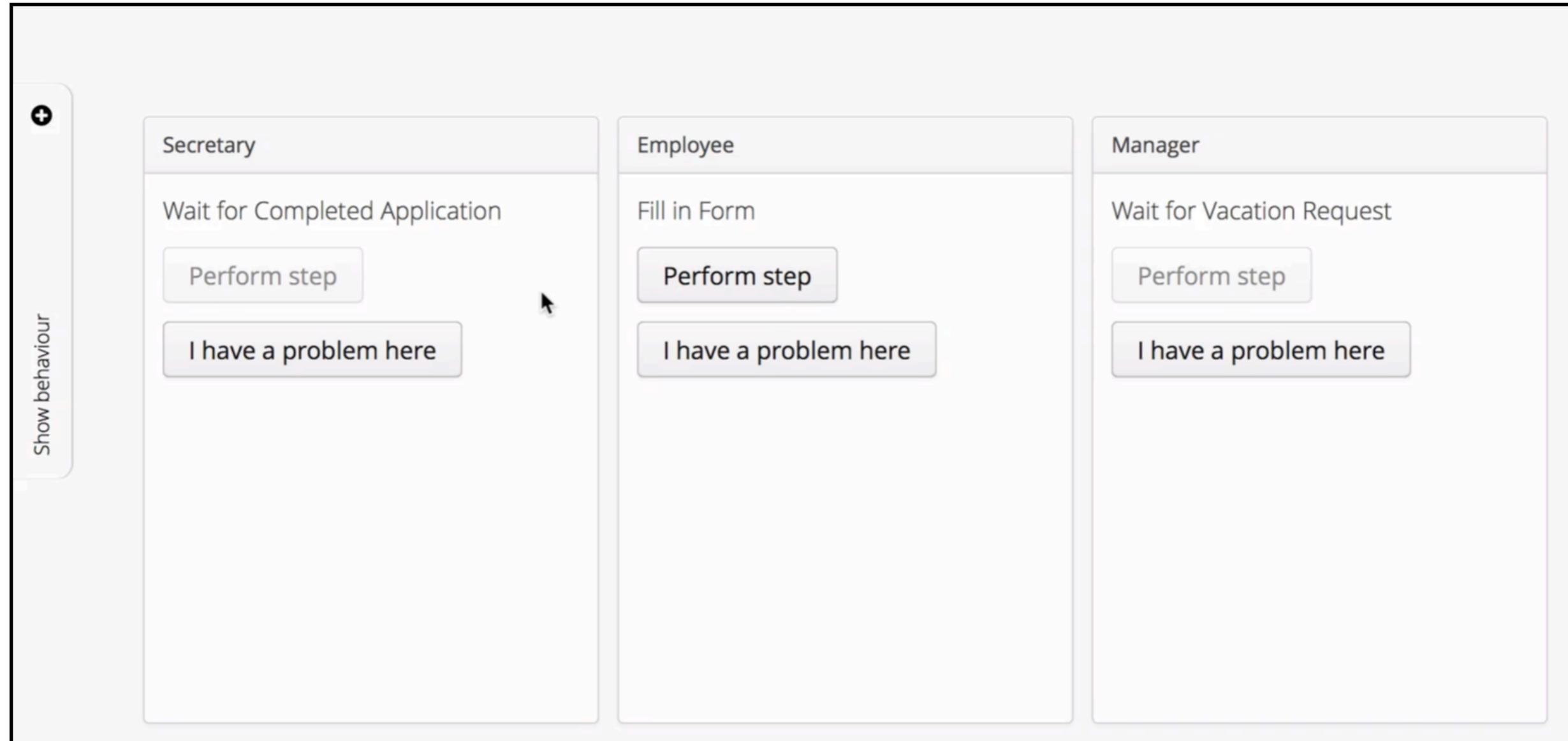
TRANSFORMATION



ELABORATION



VALIDATION

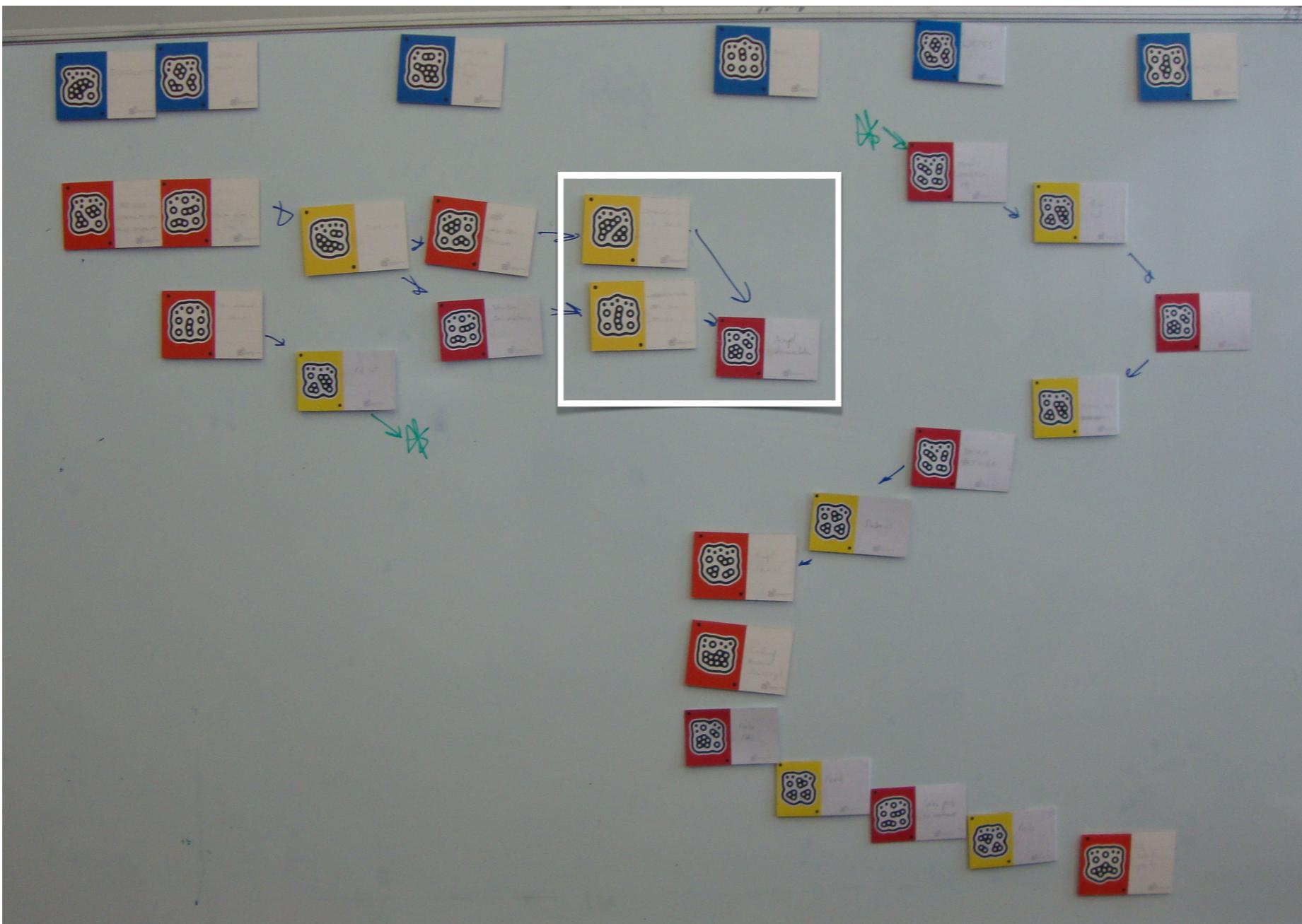


<http://adaptivetesting.ce.jku.at/VirtualEnactment/>

RECOGNITION OF PAPER-BASED MODELS

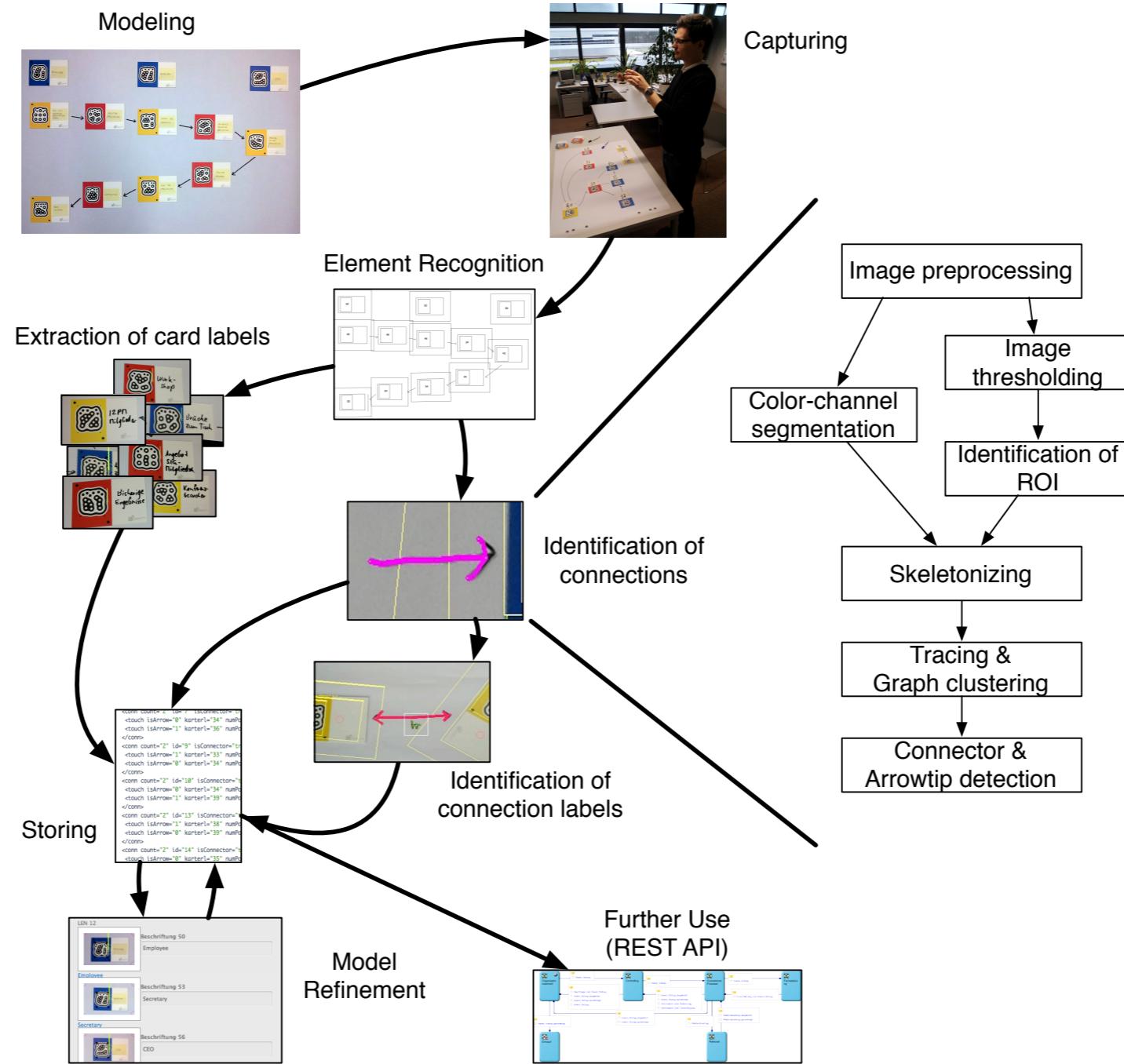


PAPER-BASED MODELS

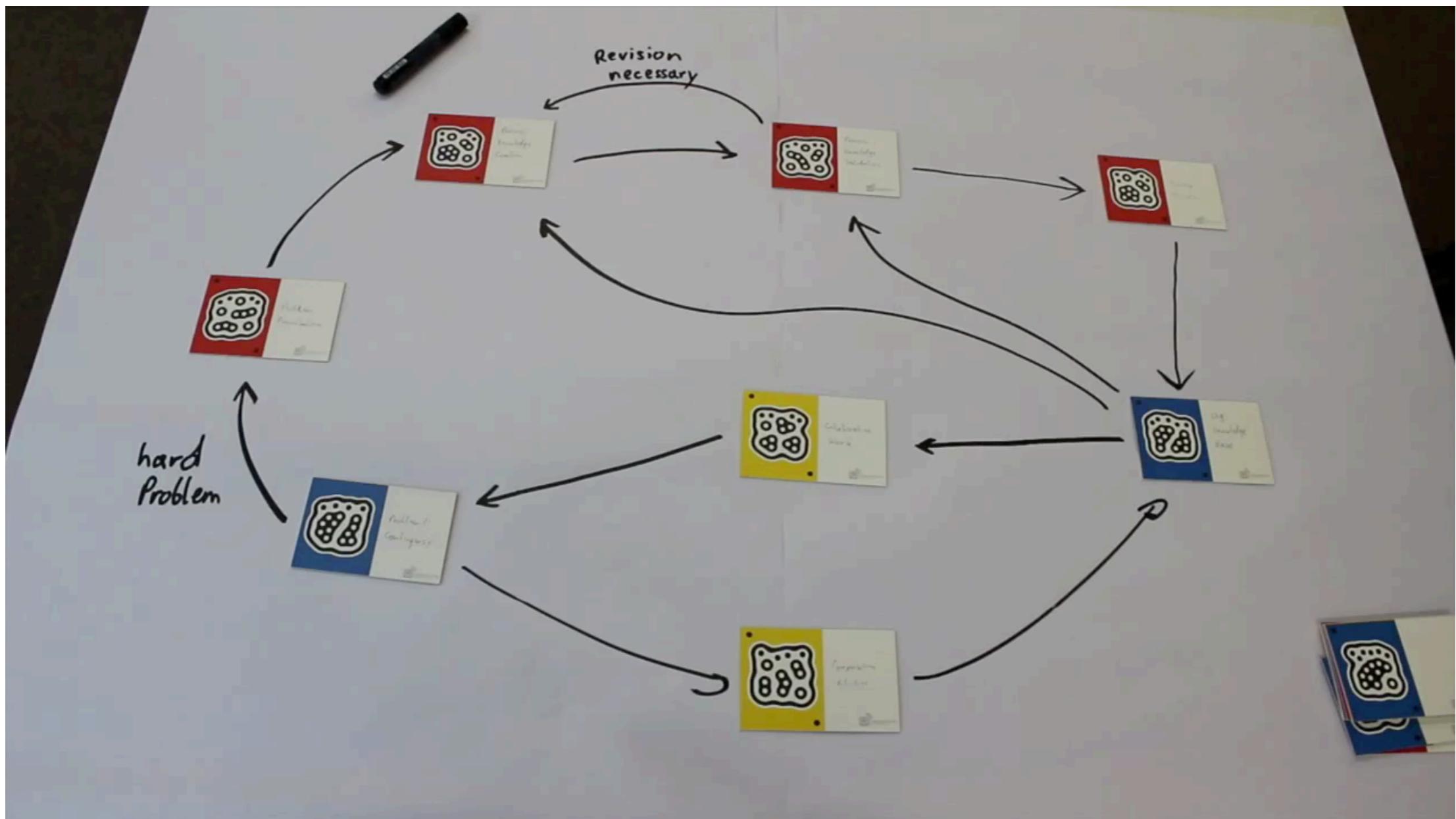


Oppl, S., Stary, C., & Vogl, S. (2016). Recognition of paper-based conceptual models captured under uncontrolled conditions. *IEEE Transactions on Human-Machine-Systems*, 47(2), 206-220.
<http://doi.org/10.1109/THMS.2016.2611943>

RECOGNITION PROCESS



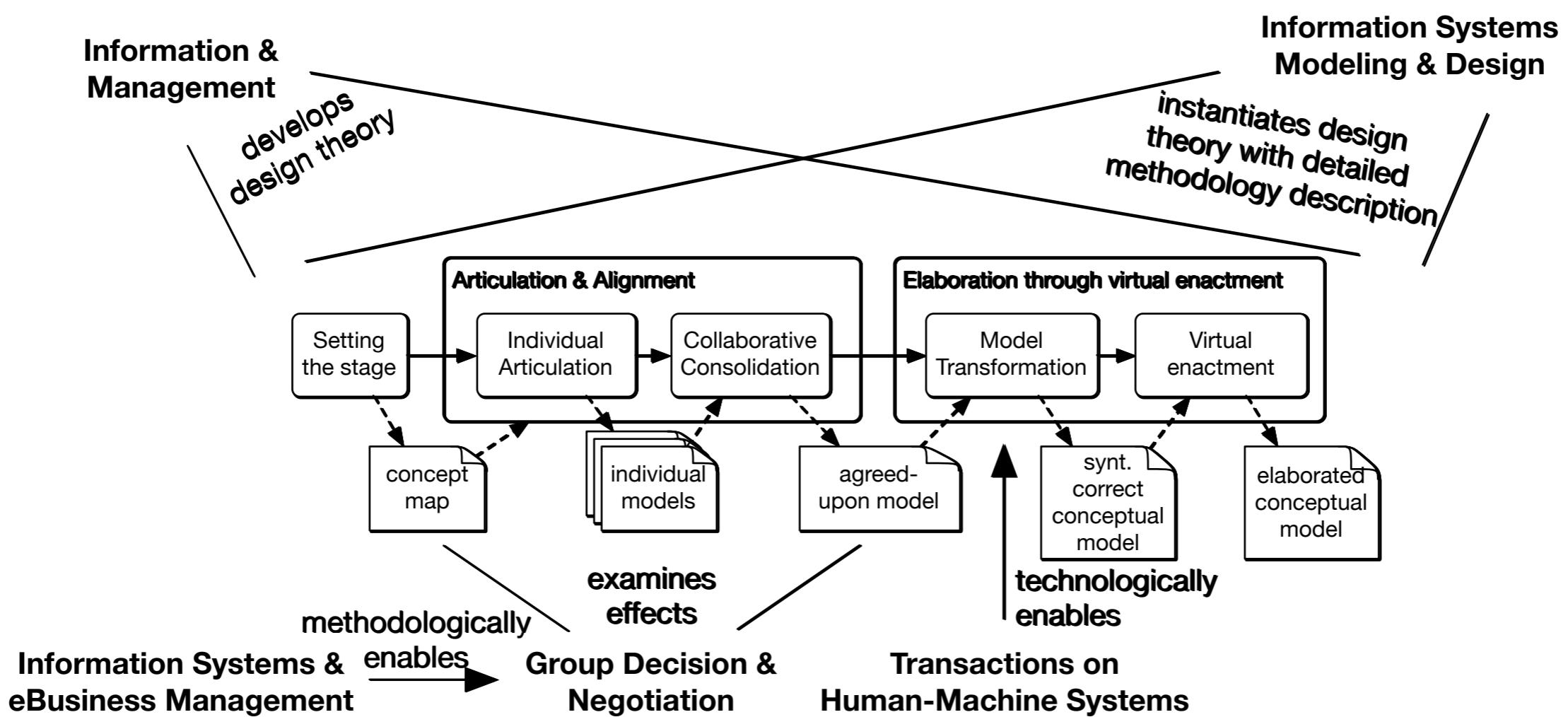
MODEL RECOGNITION



SUMMARY



COVERAGE



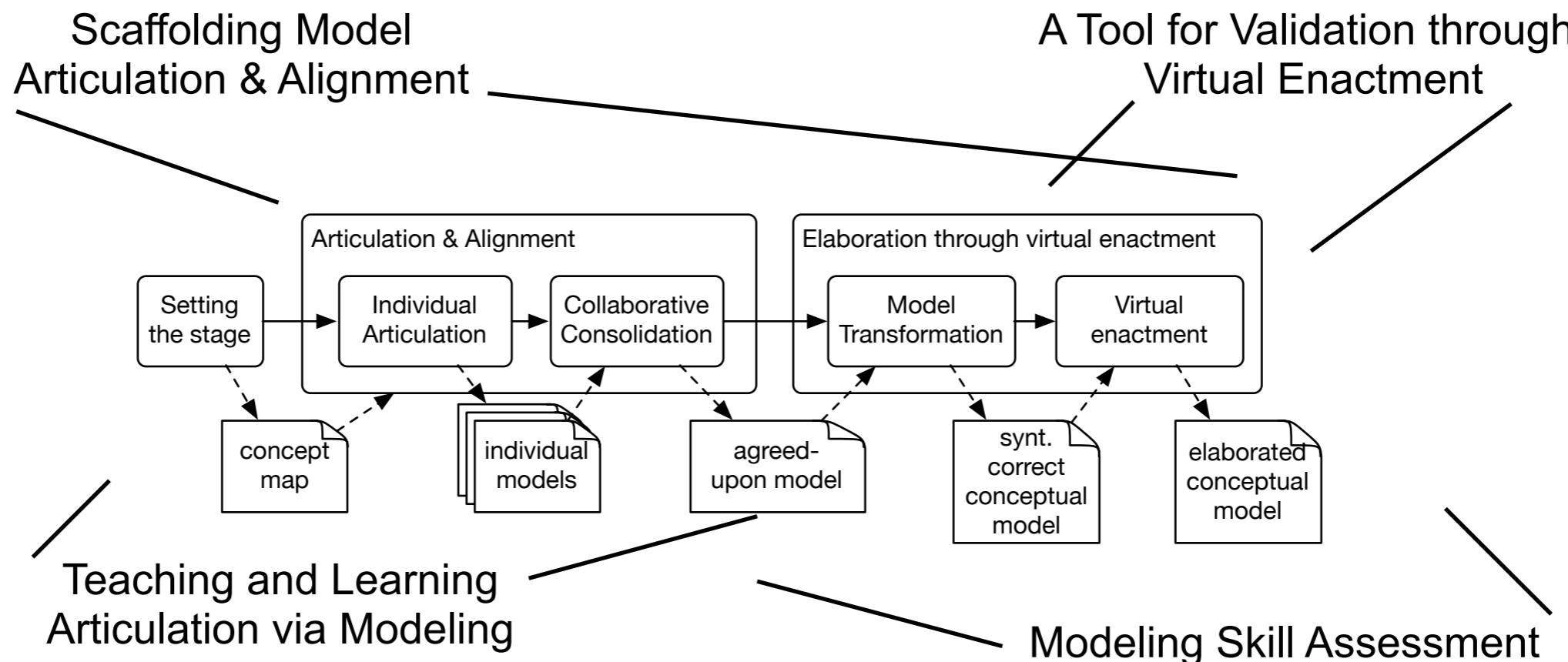
RECENT RESEARCH

Oppl, S., & Hoppenbrouwers, S. (2016). Scaffolding Stakeholder-Centric Enterprise Model Articulation. Practice of Enterprise Modeling (LNBP 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.

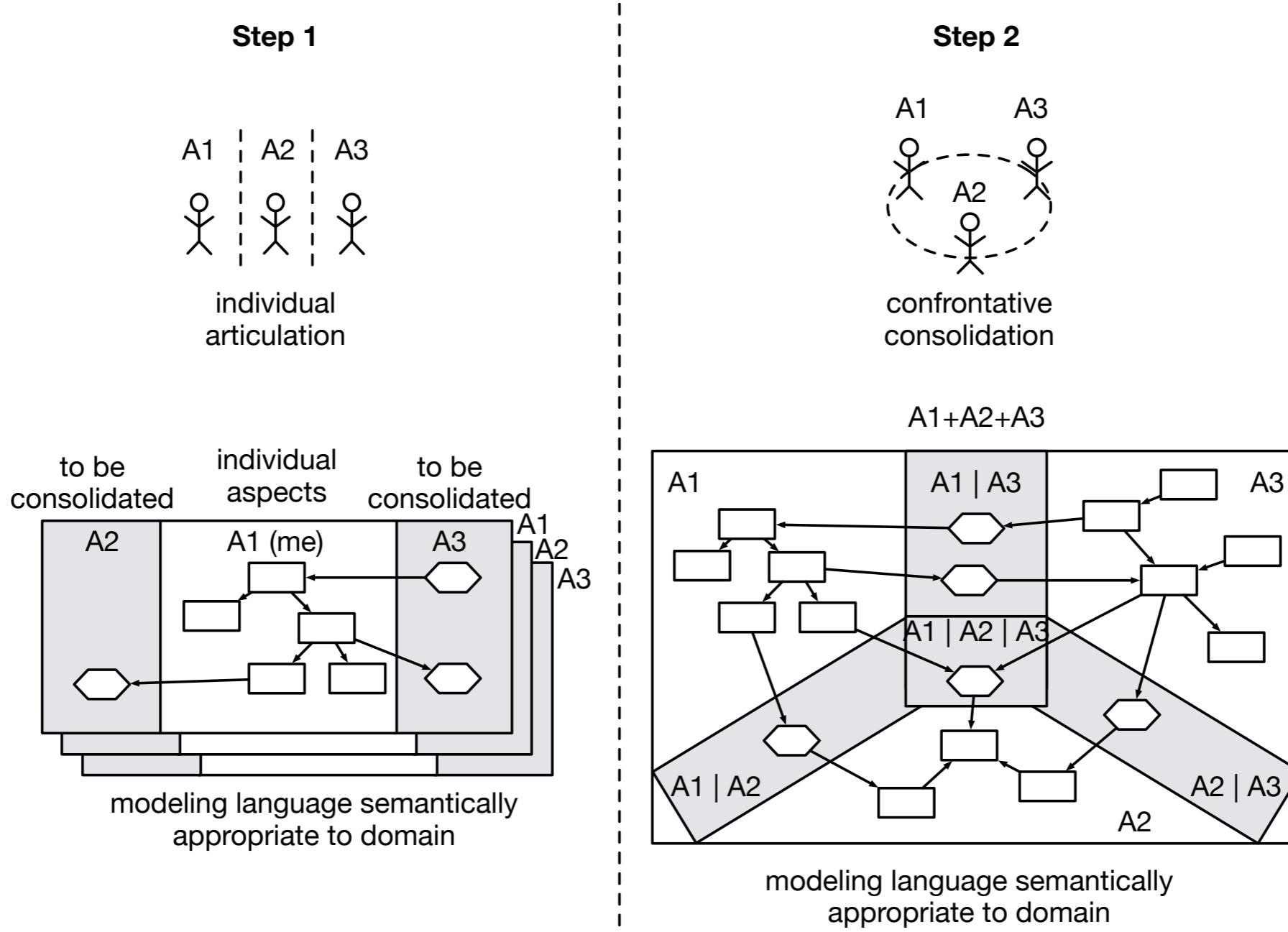
Oppl, S. Which concepts do inexperienced modelers use to model work? – An exploratory study. Submitted to MKWI 2017.

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>

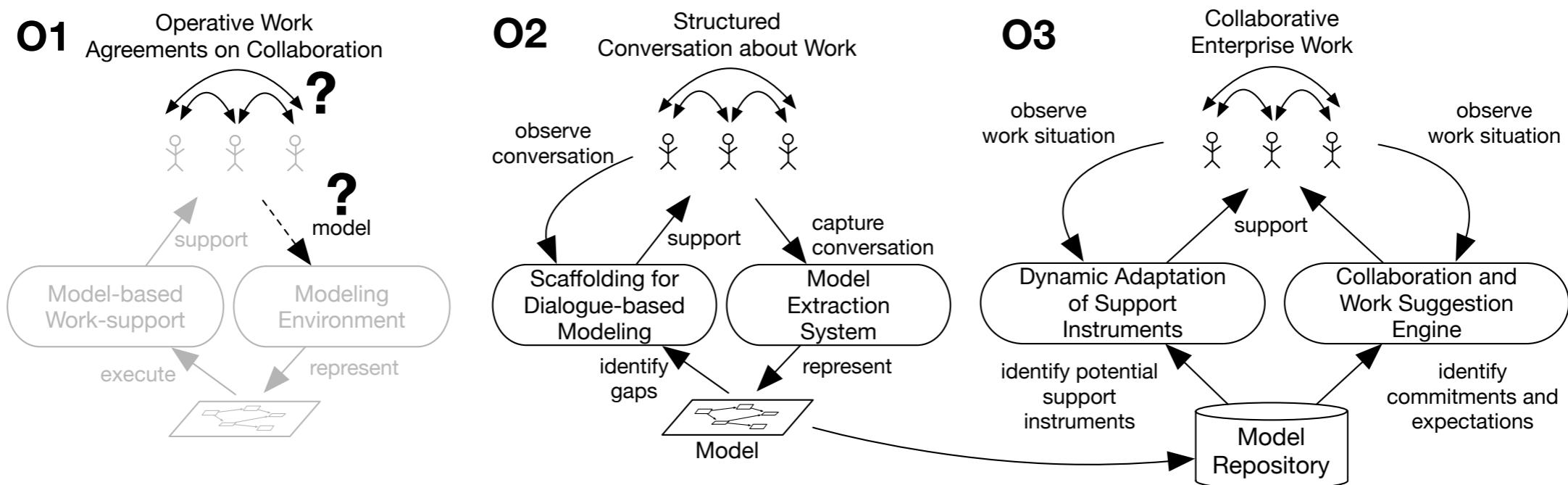
Graf, D., Oppl, S., & Eckmaier, A. (2017). Towards BPM Skill Assessment using Computerized Adaptive Testing. Proceedings of S-BPM ONE 2017 <http://doi.org/10.1145/3040565.3040567>

PERSPECTIVES: GENERALIZATION

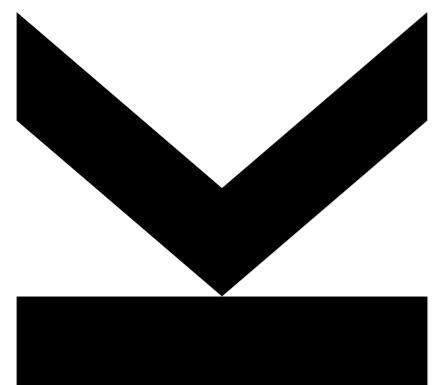


PERSPECTIVES: BROADENING SCOPE

Scaffolding Conversational Modeling for Situation-specific Work Support



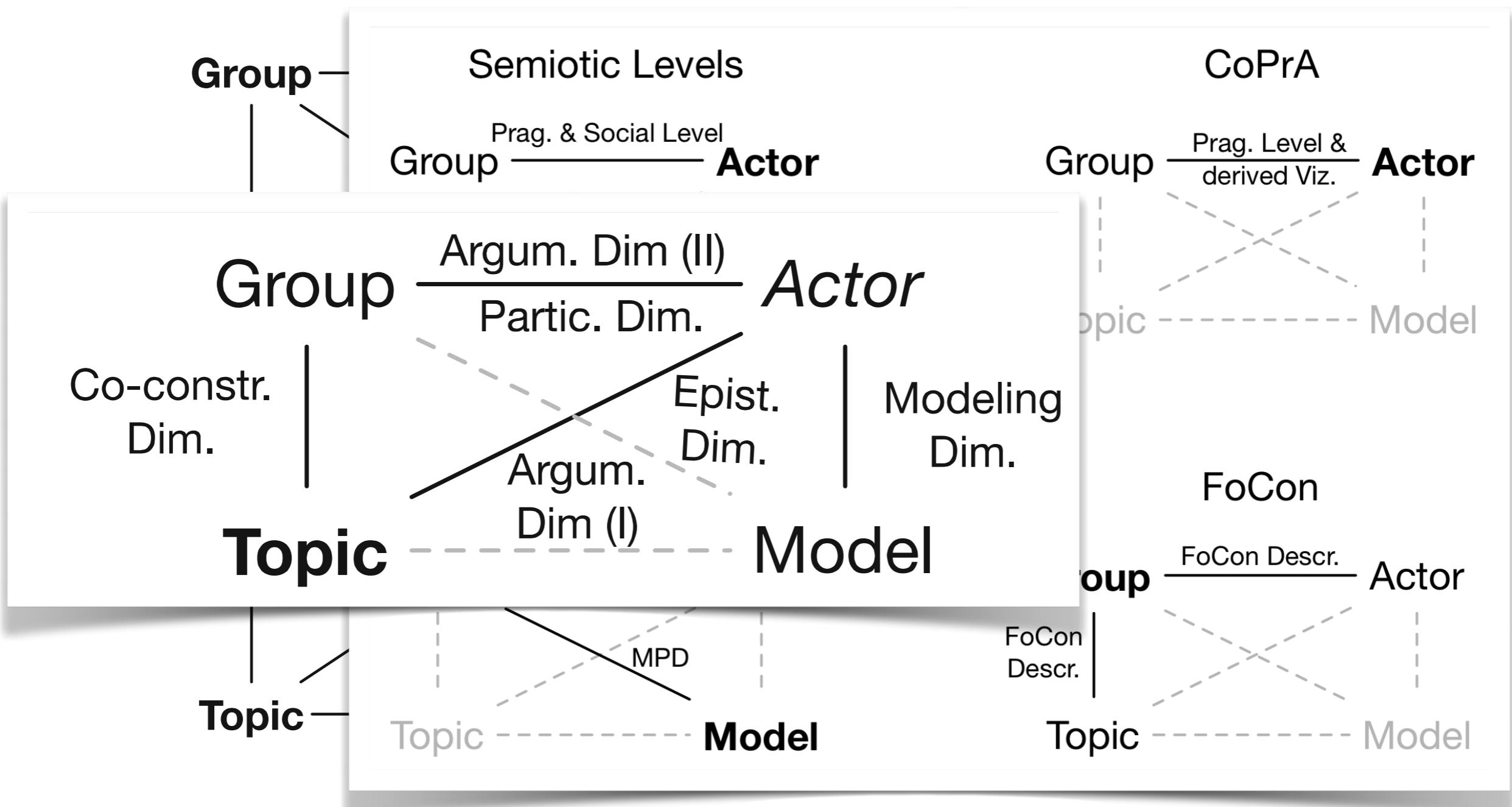
THANK YOU



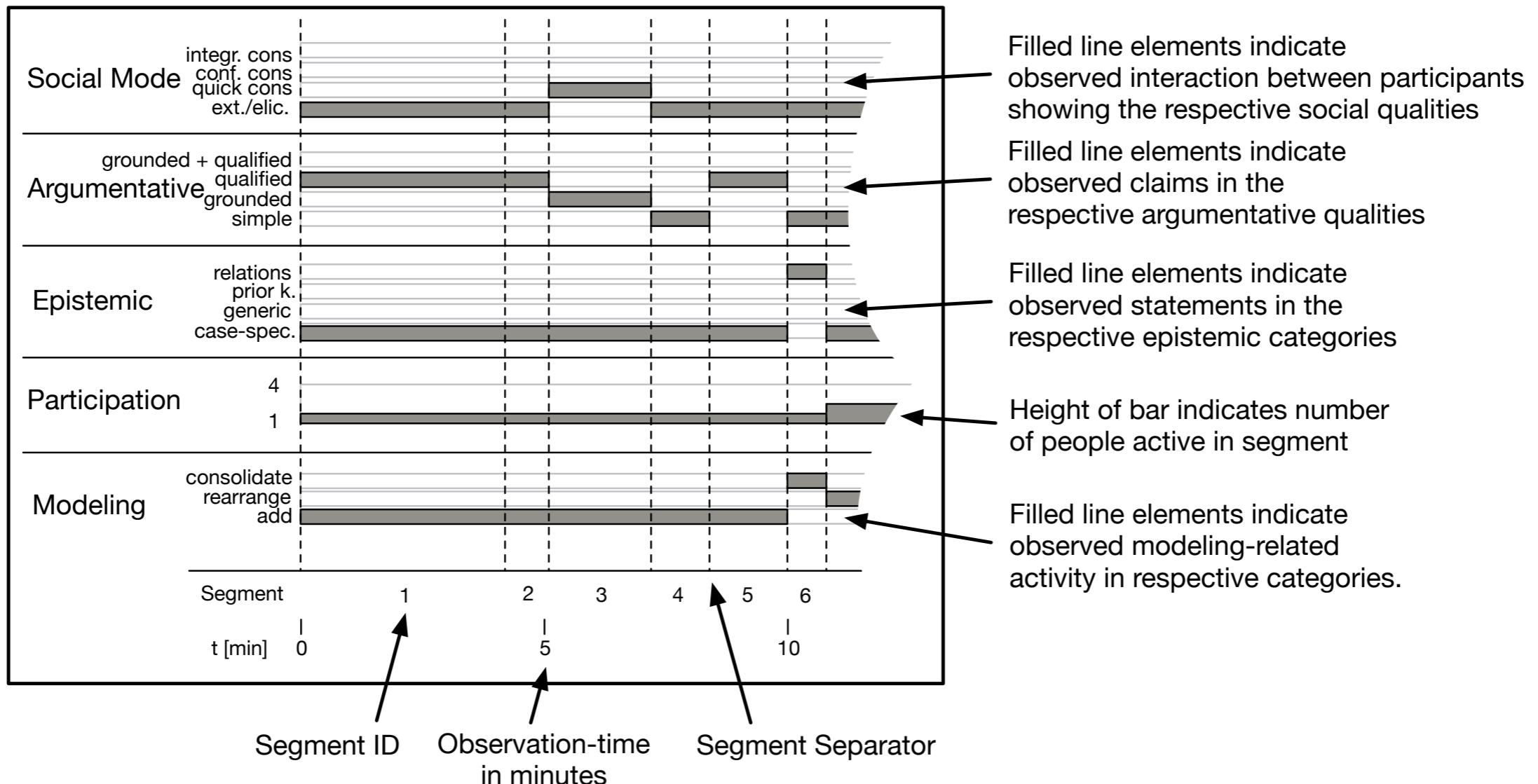
EVALUATION OF MODELING FOR KNOWLEDGE ARTICULATION



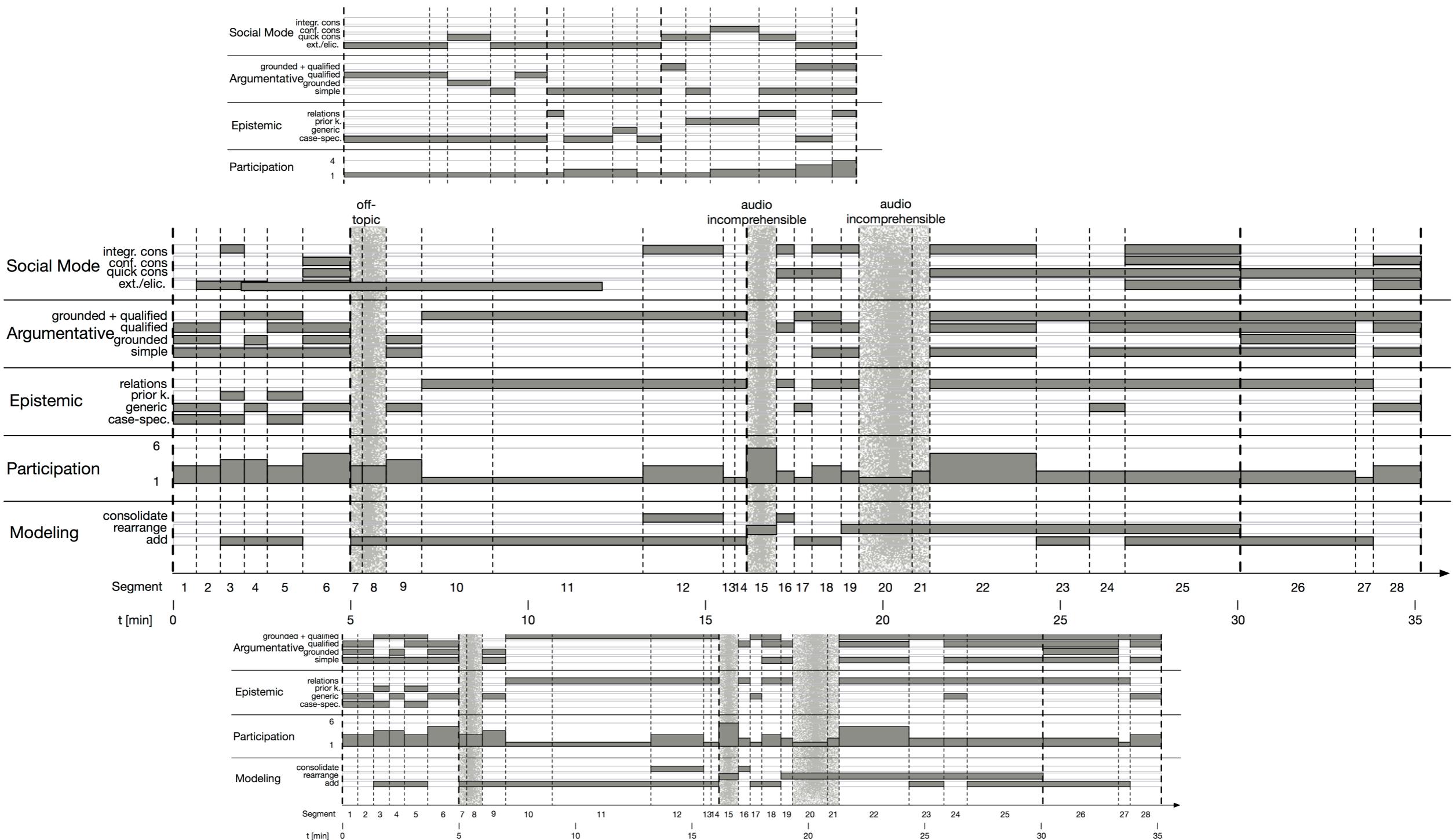
ANALYTICAL FRAMEWORK



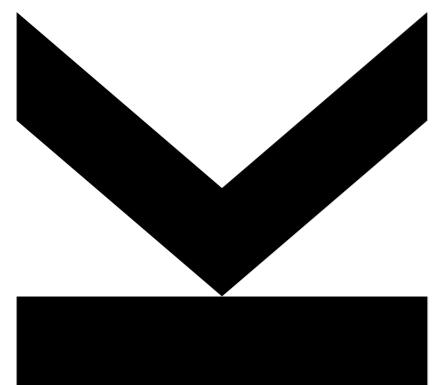
ANALYSIS SCHEME



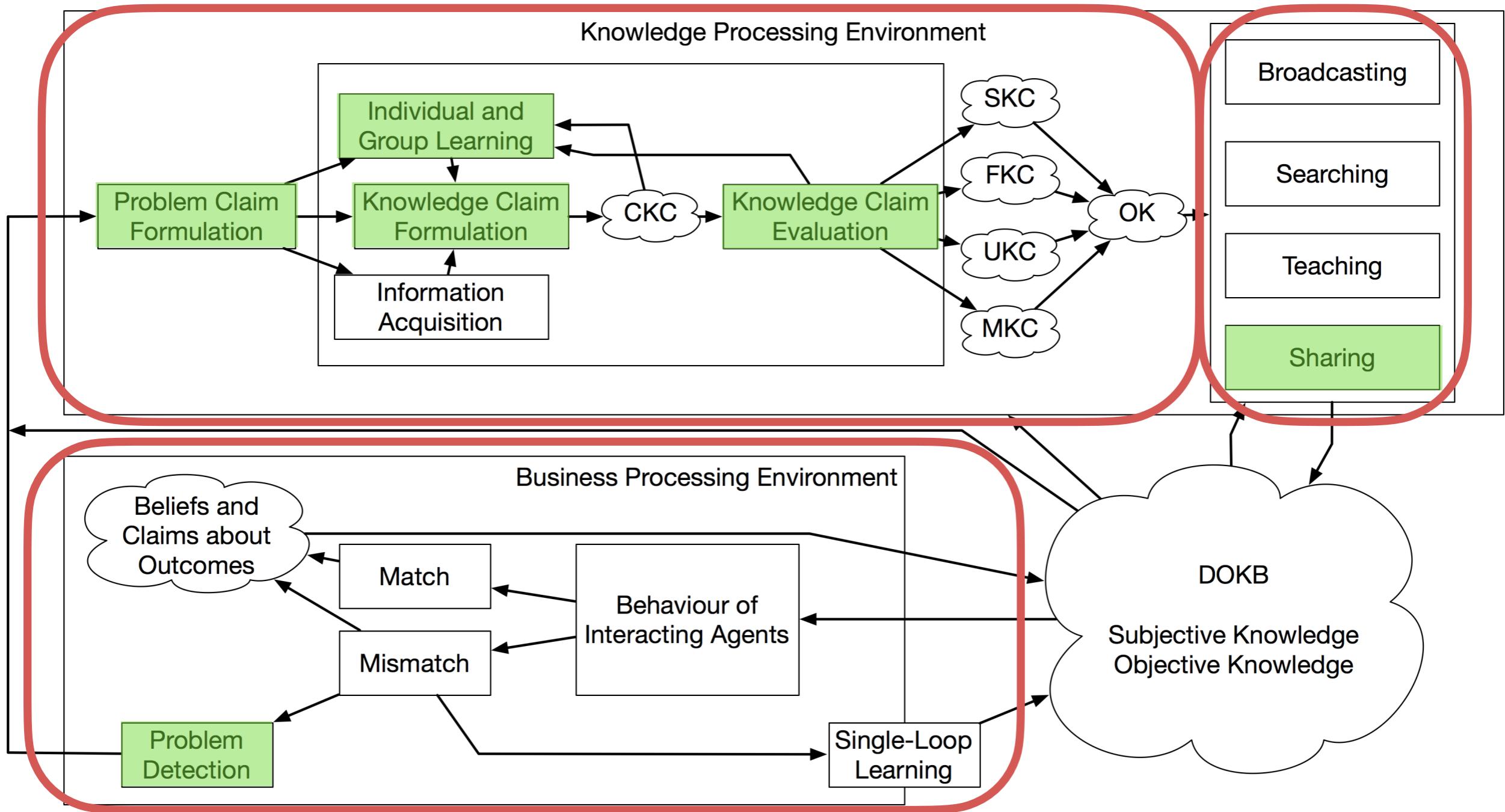
SAMPLE RESULTS



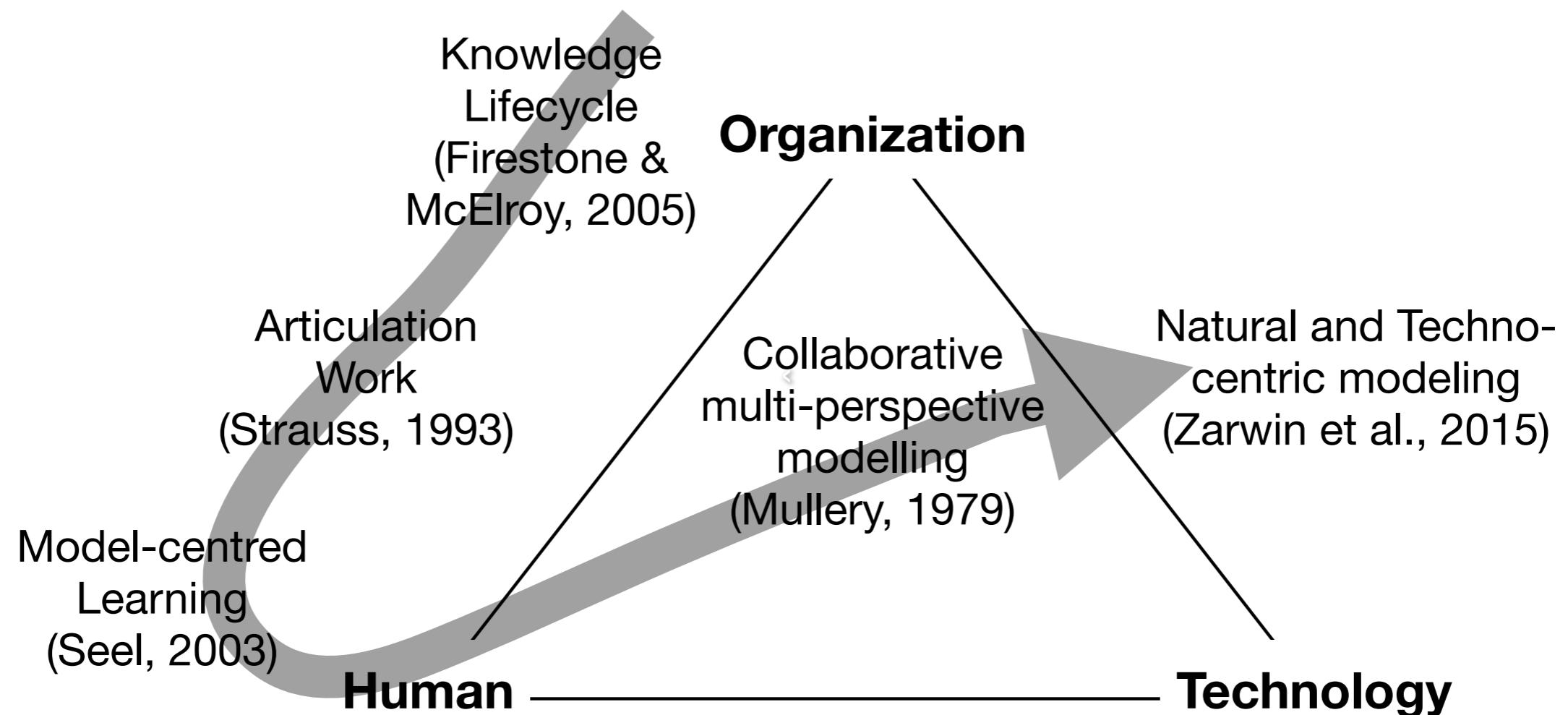
THEORIES



KNOWLEDGE LIFE CYCLE



KERNEL THEORIES



A DESIGN SCIENCE PERSPECTIVE

