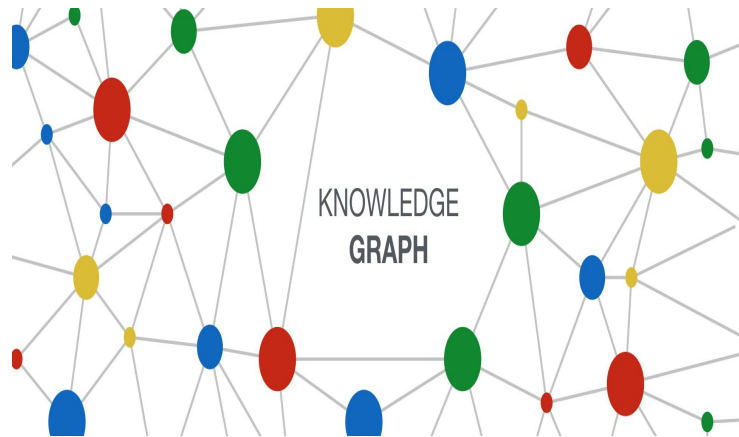




# Knowledge Representation Formalisms for Hybrid Intelligence

Loan Ho, Stefan Schlobach, Victor de Boer, Myrthe Tielman, Birna van Riemsdijk



represent and adapt  
knowledge dynamically

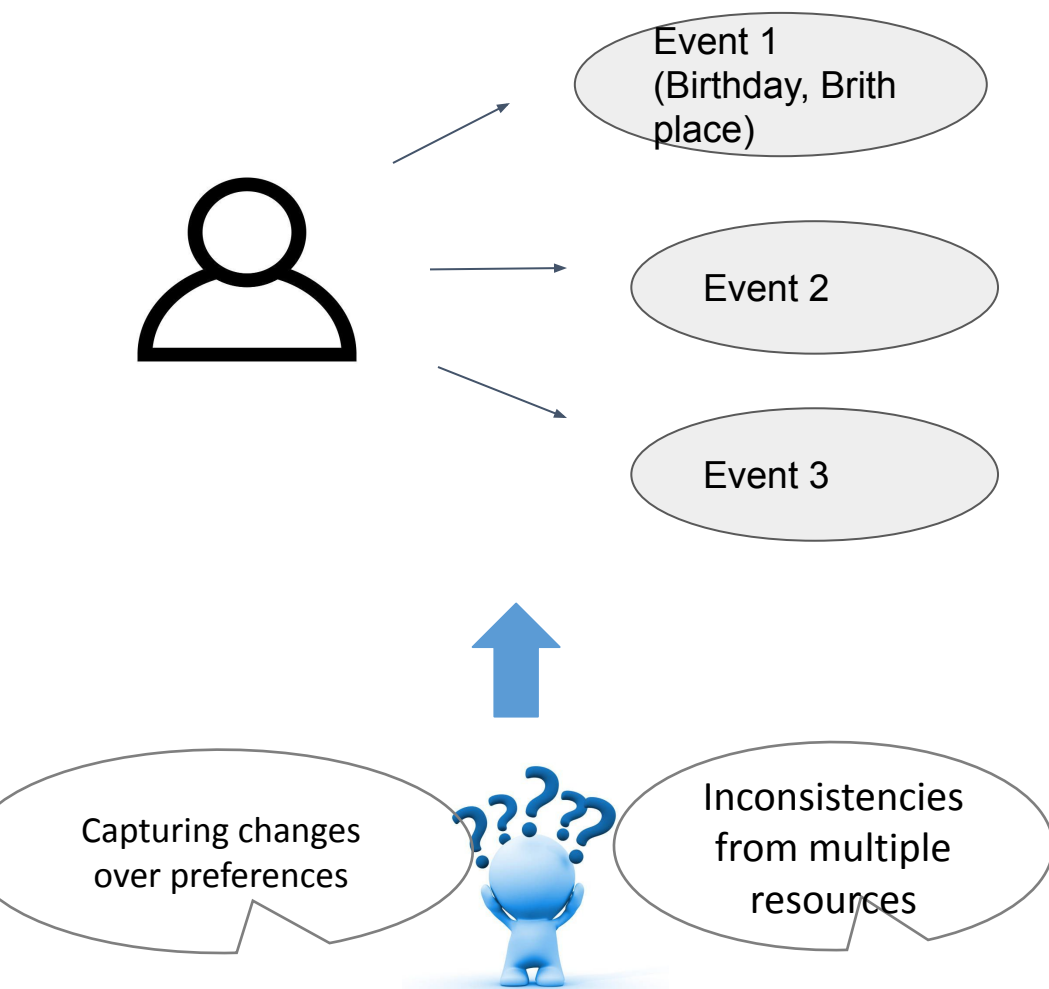


Hybrid Intelligence  
scenarios

- **Main goal:** developing knowledge representation solutions for representing and adapting the contextual and dynamic situations

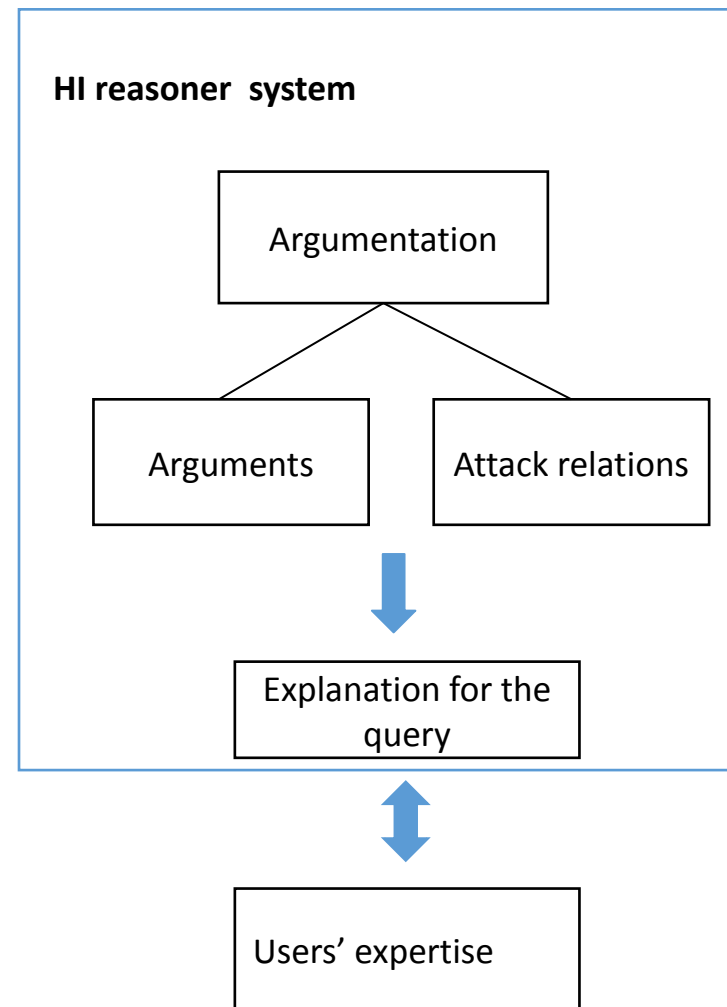
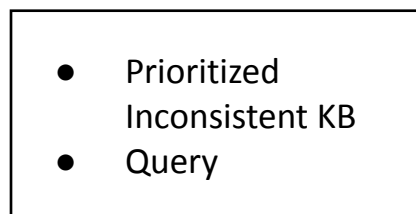
# Use-case 1: Biographical Dictionary Domain

Cultural heritage domain/ Dutch



## Research Method

*Idea: Argumentation Framework + Human-in-loop approach*



# Future work

- Perform and evaluation experiments.
- Perform human-in-loop approach to allow HI reasoner system to adapt and represent user preferences.
- Consider scenario in the medical domain.

*Scenario - behavioral health management*

