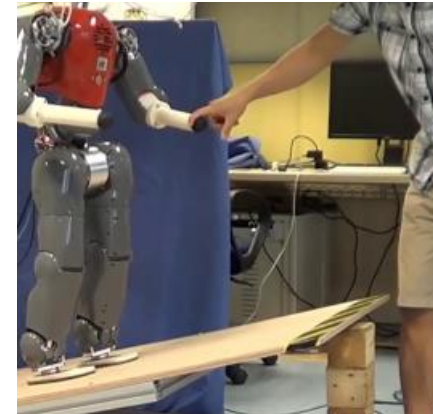


Cognitive Compliant Interaction in Motion - COGIMON

Target ability for step change:
human-robot interaction



Objectives:

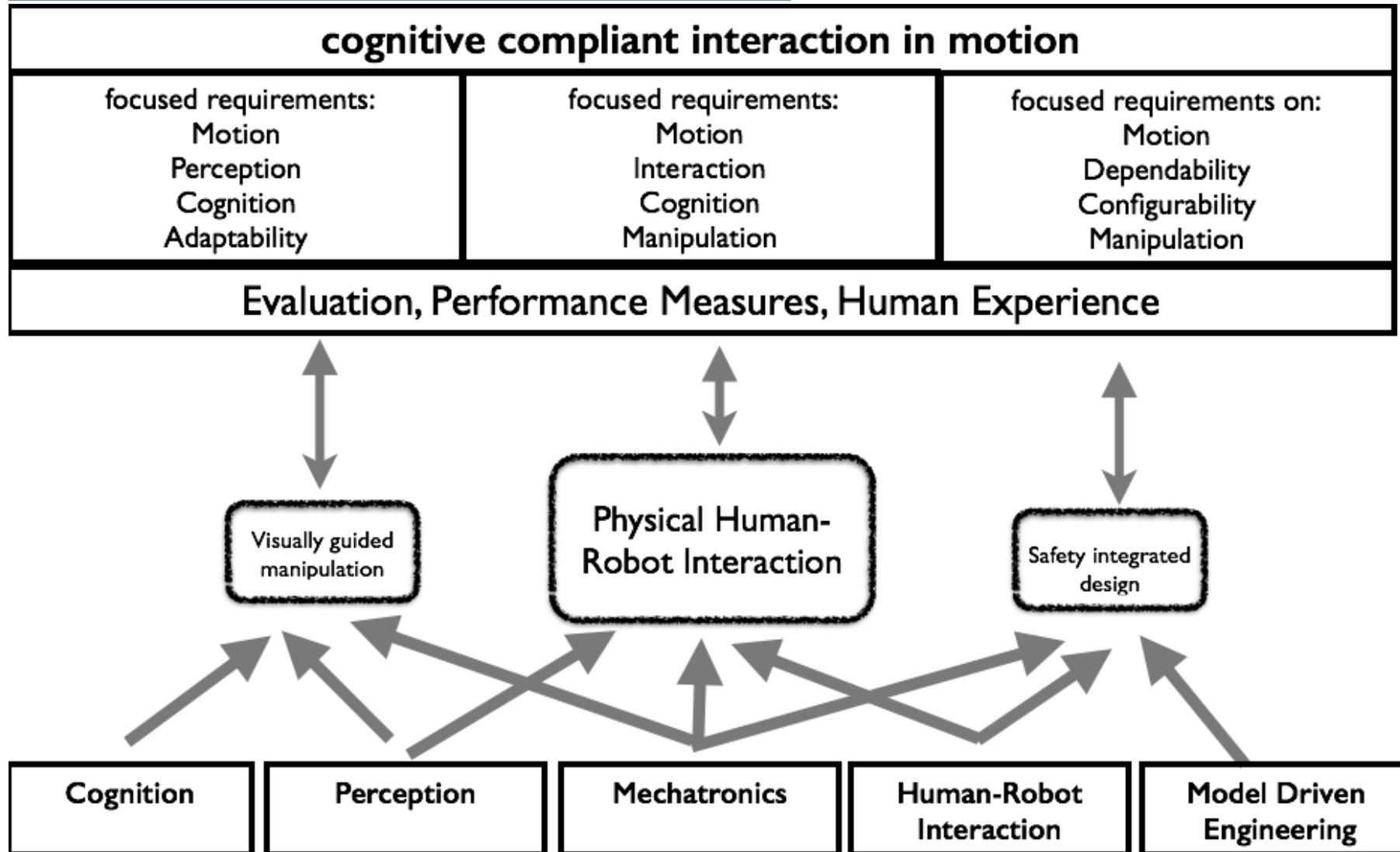
- understand impedance regulation in human team interaction
- provide robot full-body variable impedance actuation & control
- develop system development tools
- increase adaptability, dependability, flexibility

Partner:

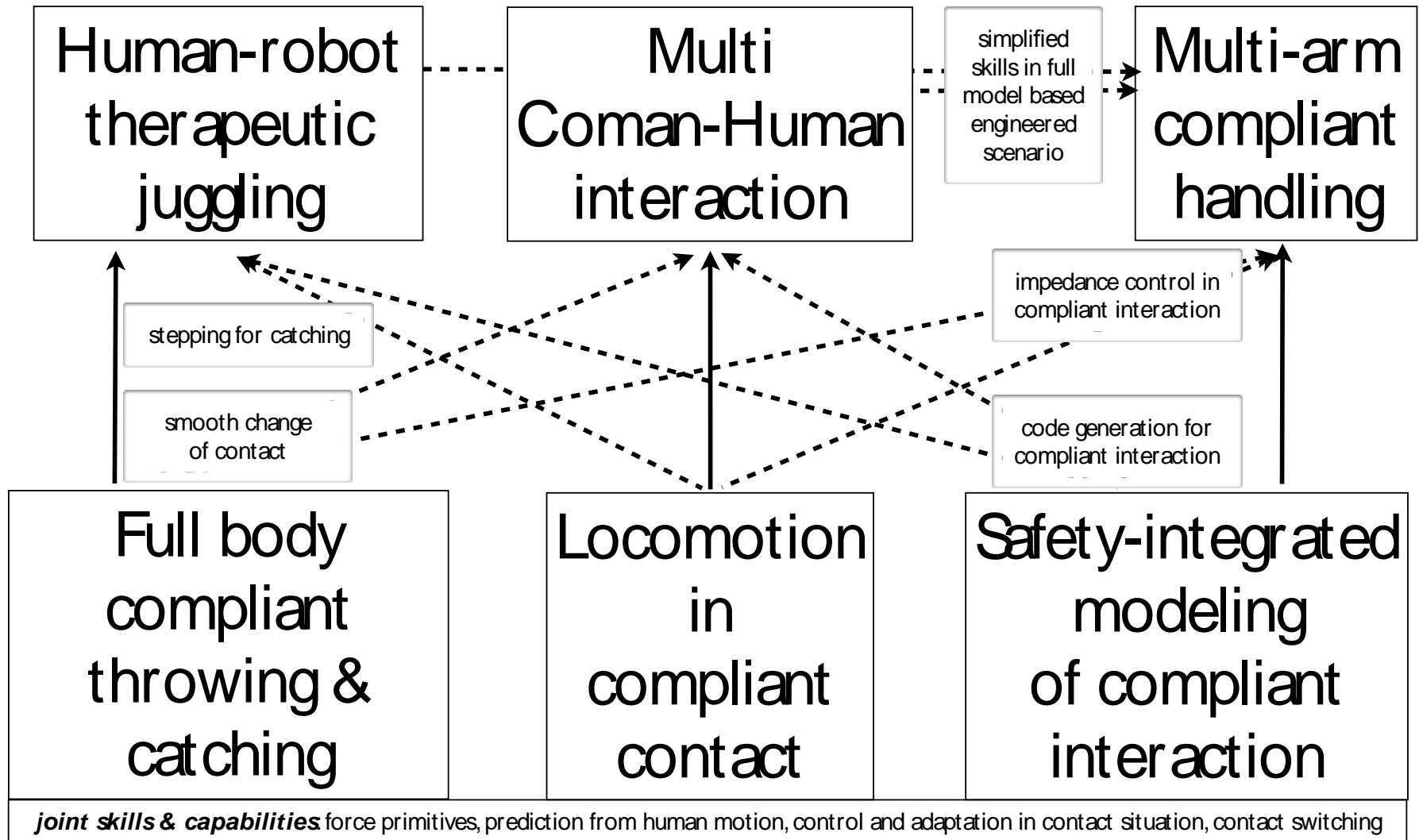
Bielefeld University (Coordinator), EPFL, Santa Lucia Foundation,
Tübingen University, IIT, Birmingham University, Imperial College

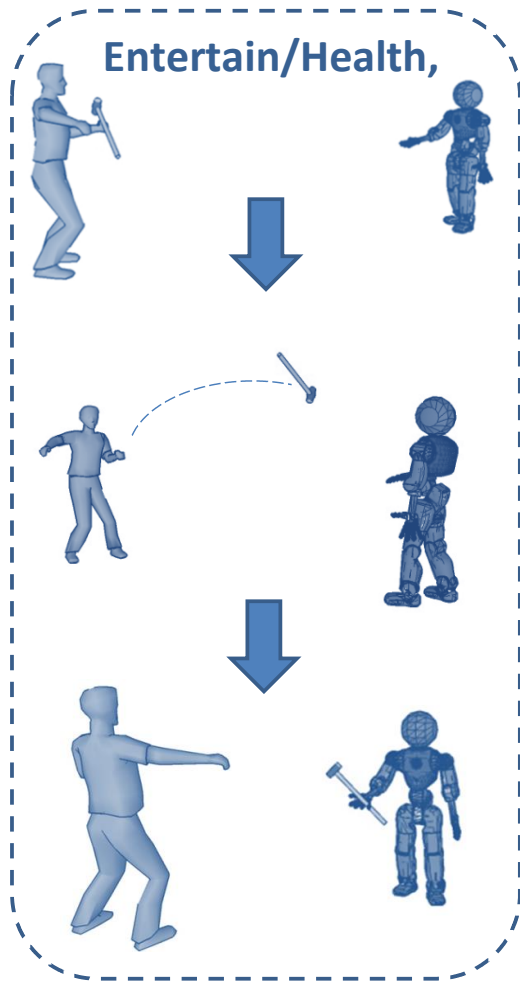


Scientific goals (step changes):

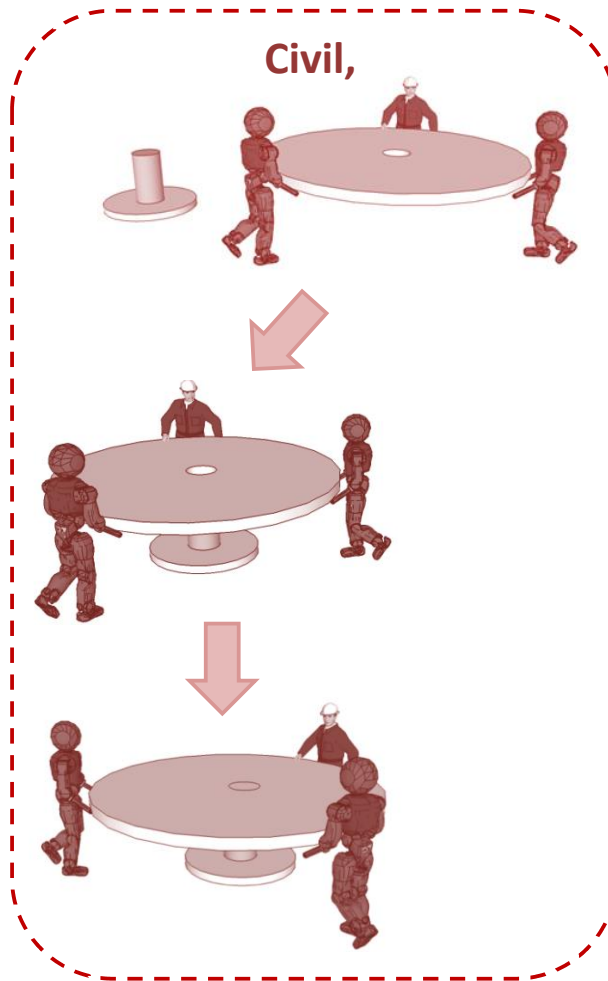


Scenario roadmap

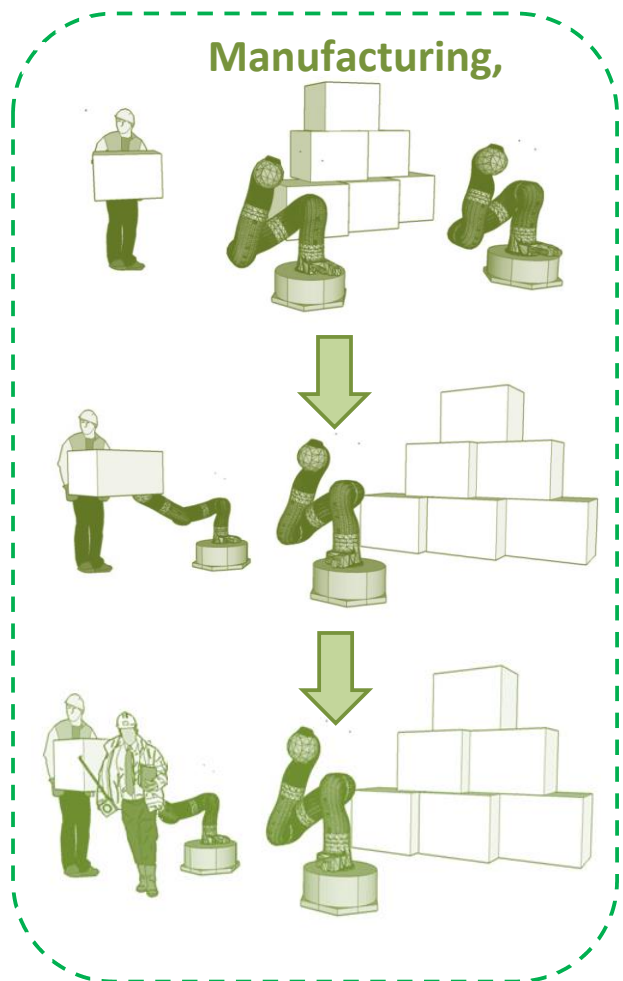




**Therapeutic
Juggling**



**Team Interaction:
Humans & COMANS**



**Team Interaction:
Humans & LWRs**