Collaboration & Synergy Challenge

Updates

8 projects (currently) joining from the 3rd cohort

- **3.5 Interactive robot learning with flexible human feedback** (PhD) Kim, Koen (VU) & Herke (UvA)
- **3.6 Improving human-robot collaboration using brain-computer interfaces** (PhD) Maryam (VU) & Herke (UvA)
- **3.10 Interactive Exploration of Bias in Cultural Heritage Collections** (PhD) Nanne, Marcel (UvA) & Shenghui (UT) -
- **3.11 Interpretable and checkable communication of natural language decisions** (PhD) Vlad, Christof (UvA) & Pradeep (TUD)
- **3.17 Causal Representations for Open-Ended, Lifelong Hybrid Intelligence** (PhD) Chirag, Frans (TUD) & Jan-Willem (UvA)
- **3.20 Persuasion and theory of mind** (PD) Harmen, Rineke (RUG) & Max (ULEI) & Mike (VU)
- **3.25 Social Cognition for Hybrid Collaborations** (PD) Max (ULEI) & Rineke (RUG) & Dan (VU)
- **3.30 Learning Trade-offs in Multi-Stakeholders Multi-Objective Problems** (PhD) Roxana, Mehdi (UU) & Davide (RUG)

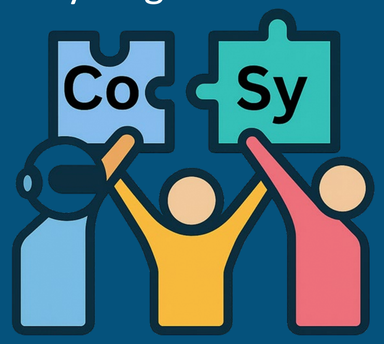
Erman (UvA) and Roxana (UU) are taking over the CoSy oversight.

Plans

Current Research Questions

- RQ1: How do we define collaboration and synergy in HI?
  – similarities and differences in Human collab vs. HI-collab?
- RQ2: How do we measure collab/synergy in HI?
- RQ3: How can we enable HI Systems to interpret human behavior w.r.t. collaboration?
- RQ4: How can we develop HI Systems that support human-human collaboration?
- RQ5: How should we design HI Systems to collaborate with humans effectively?

Do you like them? What would you change? Let's collaborate!

Alignment

- Relaunch CoSy meetings
- Redefine the objectives and research questions (see above).
- Form clusters based on common interest and synergies