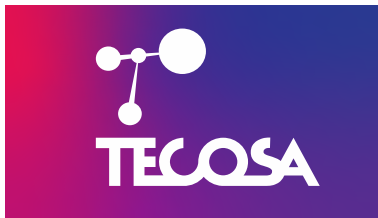




Innovation Eco systems in the context of CPSoS

Interactive session 4.4B - IEEE SoSE conference,
Thursday June 17th, 17:30 - 19:00



www.tecosa.center.kth.se



www.ices.kth.se



www.nordic-iot.org



Agenda - 17.30-18.55

- Interactive Session at SoSE 2021 on "Innovation Eco systems for SoS"

- **Introduction (Martin Törngren)**
- **Keynote: Professor Ron Adner**
- **Round of reflections and discussions with the panel**
 - Monica, Martin K., Nicolette, Tobias, Kim
 - Each panelist asked to provide reflections/questions – in turns
 - Discussions!
- **Reflections and questions from the audience**
 - Do pose questions in the chat!
- **Final wrap up reflections by panel including keynote**
 - 1-3 key obstacles and 1-3 key success factors w.r.t. successful innovation ecosystems
- **Wrap up**



Purpose of session

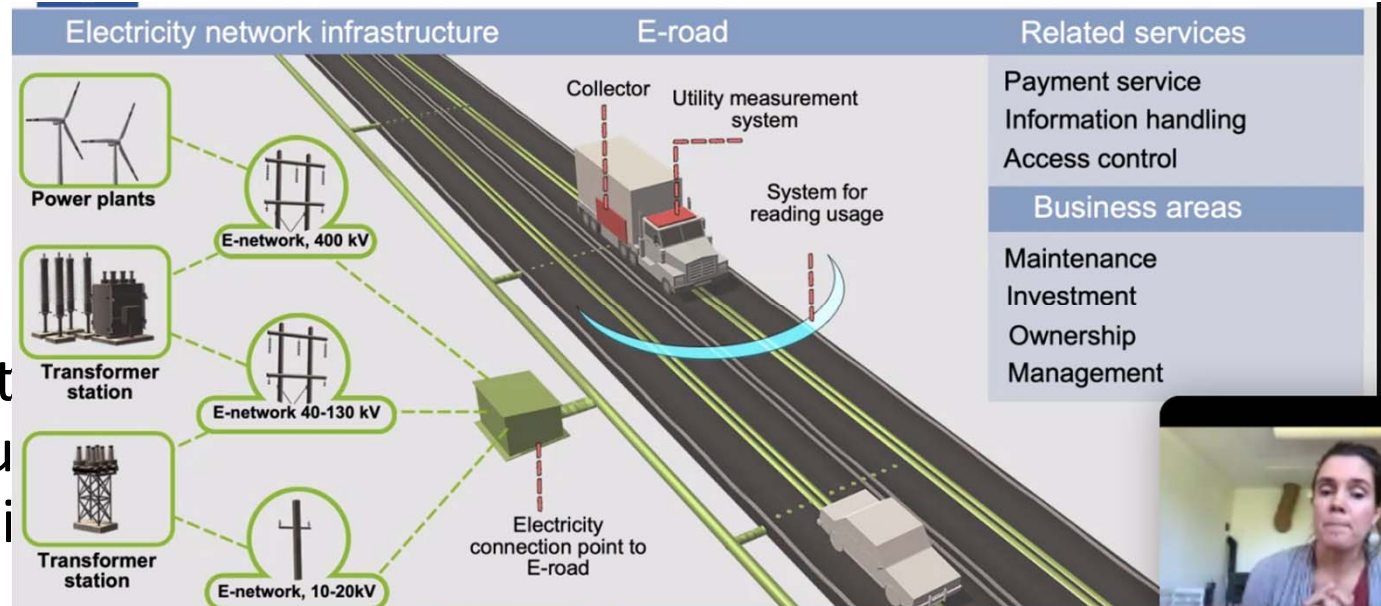
What are hurdles and best practices – insights – that can help stimulate and form innovation ecosystems in the context of CPSoS?

Innovation ecosystems

Merriam Webster defines the complex of a community functioning as an ecological system.

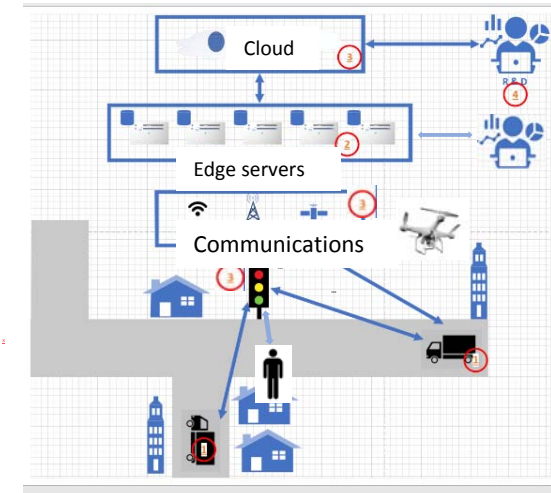
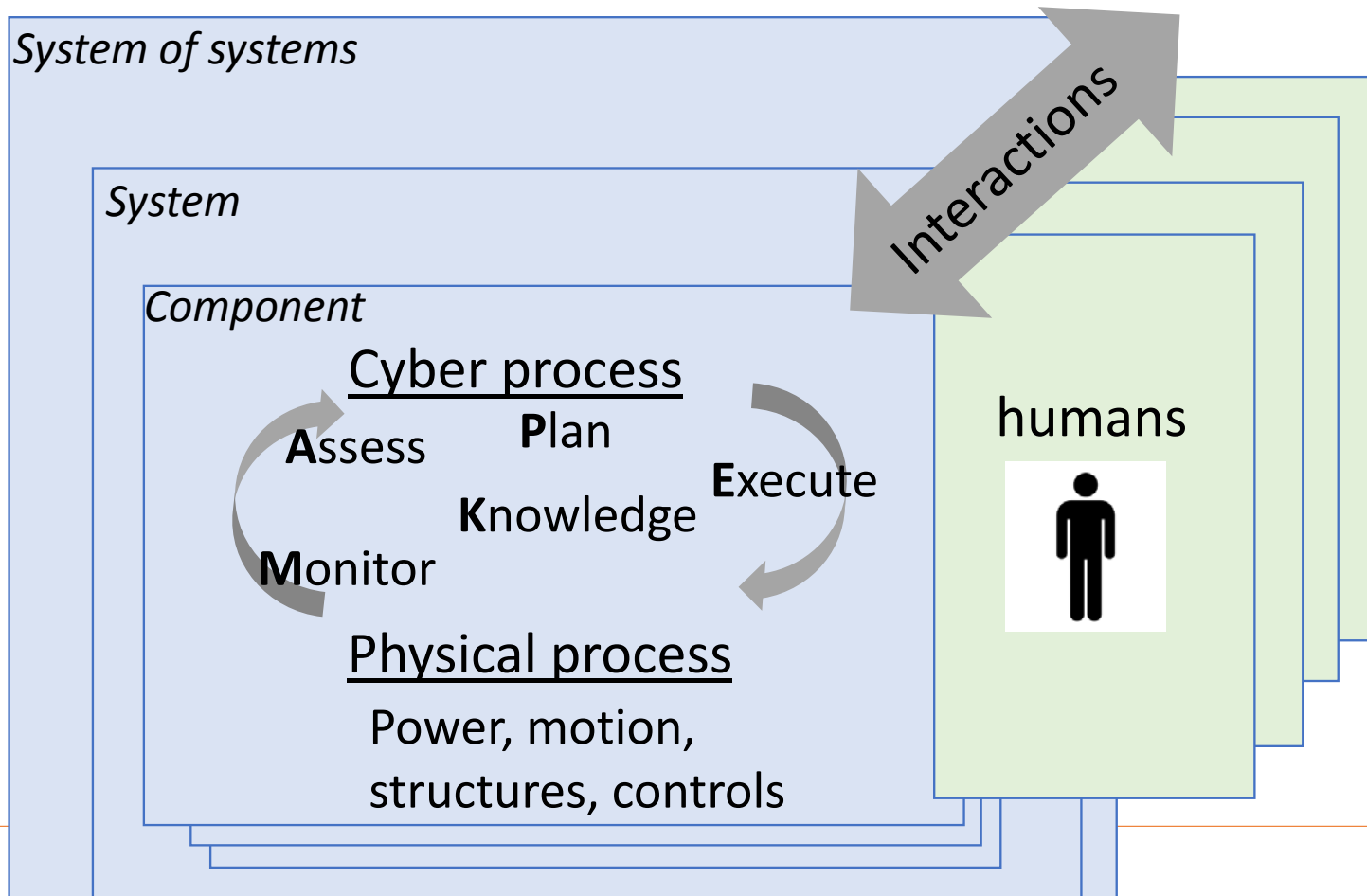
An “innovation ecosystem”:

- describes the variety of players / stakeholders that are critical for innovation

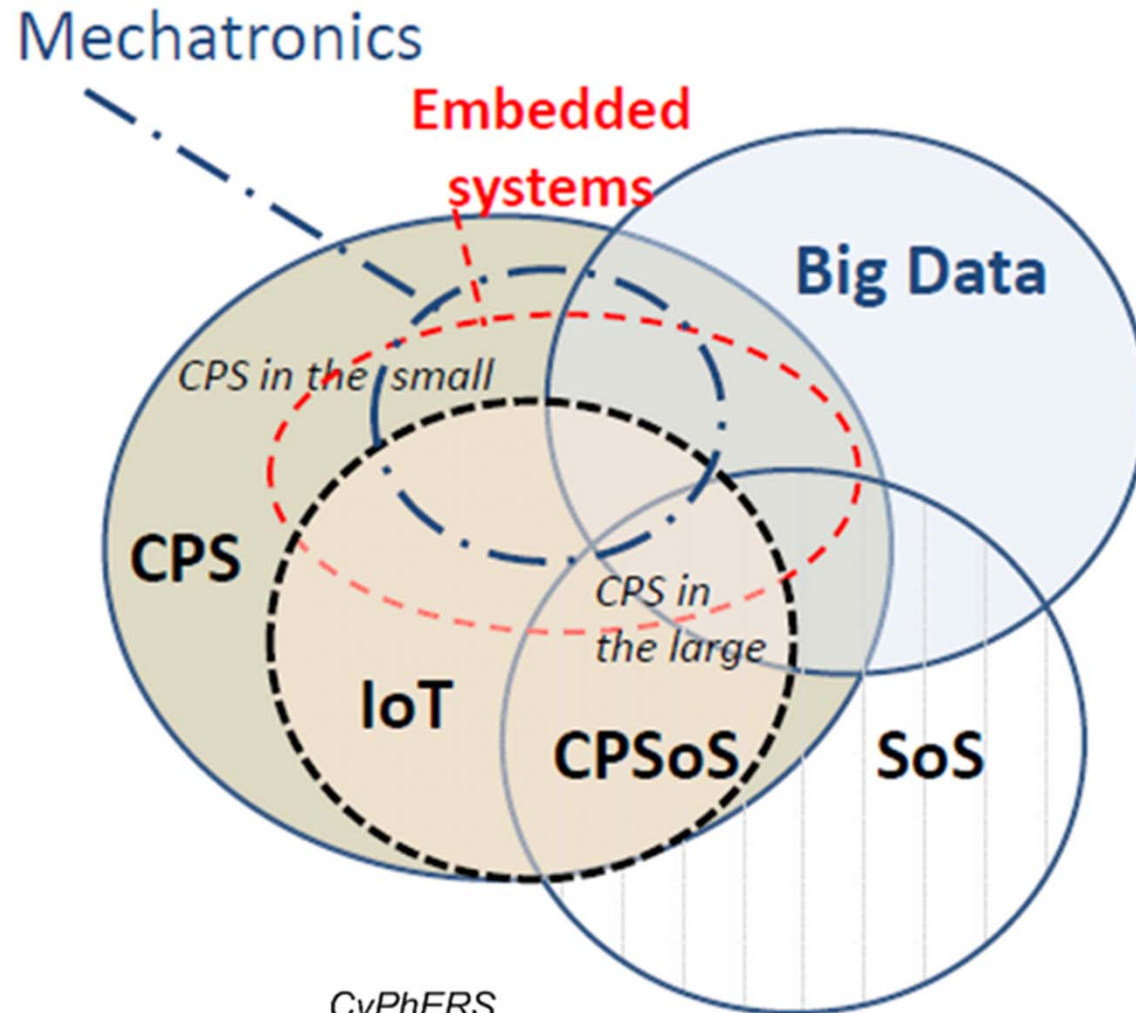


Example CPSoS domain: Intelligent transportation systems

Context: Cyber-physical systems



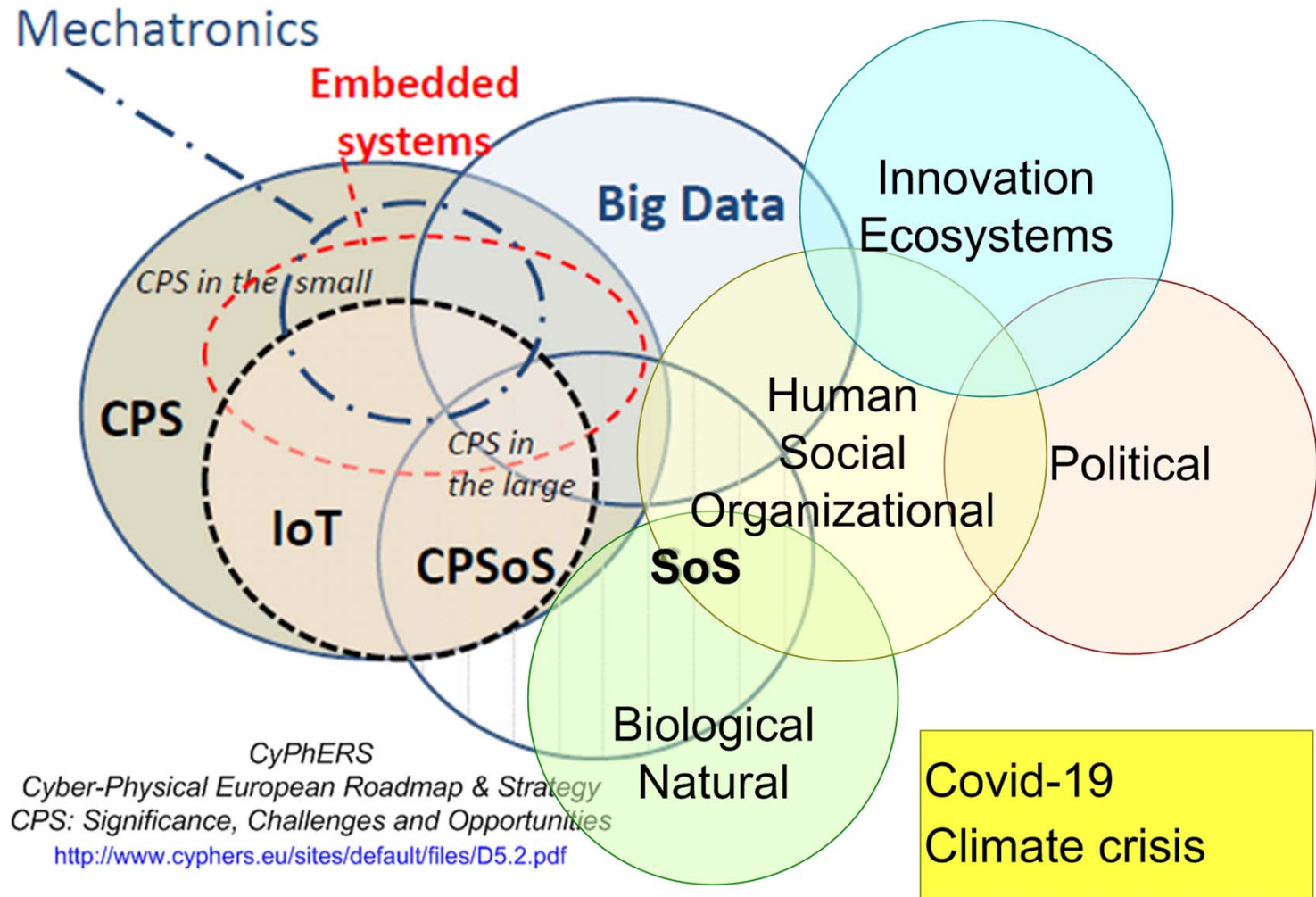
SoSE 2016



CyPhERS
Cyber-Physical European Roadmap & Strategy
CPS: Significance, Challenges and Opportunities
<http://www.cyphers.eu/sites/default/files/D5.2.pdf>



Anno 2021?





Purpose of session: Innovation Eco systems in the context of CPSoS

- What are hurdles and best practices – insights that can help stimulate and form innovation ecosystems in the context of CPSoS?
- Technology advancements
 - ➔ New services/capabilities with opportunities for entirely new SoS, within and across existing domains
 - ➔ Unprecedented innovation opportunities but with new eco-systems needing to be formed!
- Complex multistakeholder settings; fragmentation; regulations; business/collaboration models
- Innovation vs. cautionary principle
- How can innovation be accelerated or at least not prevented when referring to new cyber-enabled opportunities across traditional domains?
 - E.g. open innovation by data sharing data; successful models for data sharing while meeting legal requirements and mitigating risks?
- Experiences, pitfalls and best practices in multi-domain collaborations and open test arenas

Program: Keynote speaker and panelists!

- **Keynote speaker:** Professor Ron Adner
- **Panelists:**
- [Prof Ron Adner](#) (Tuck School)
- [Prof Monica Bellgran](#) (KTH)
- [Dr Martin Karlsson](#) (Atlas Copco)
- [Prof Nicolette Lakemond](#) (LiU)
- [Prof Tobias Larsson](#) (BTH)
- [Prof Kim Wikström](#) (Åbo Akademi)
- **Panel Chair:** [Prof Martin Törngren](#) (KTH)

