



Session Objectives

I4MS Robotics Projects



Scope of the session

1. Introduce Robotics in the concept of I4MS (HORSE / ReconCell 5')
2. Introduce the Robotics Projects, overview of their scope, technologies and their relation to DIHs and I4MS (ReconCell - Aleš Ude, HORSE - Anastasia Garbi, 15' each)
3. Introduce the DIHs in robotics and related fields (All DIHs 10 ')
4. Discussion on commonalities, overlapping and differentiation points (20')
5. I4MS business models ideas (ReconCell - Claus Risager - 15')
6. Centers of Competence in HORSE, concepts and ideas (HORSE - Anastasia Garbi - 10')
7. Discussion (5 mins)



Robotics in I4MS

I4MS Phase 2, pillar [Advanced Robotics and Manufacturing](#), focuses on sharing best practices and lessons learnt in the fields of Advanced Robotics solutions, Simulations, and Sensors.

Robotics technologies have generally been adopted by capital intensive, large volume manufacturing industries.

SMEs:

- ▶ represent a big potential robotic market covering a wide range of industries
- ▶ often cannot make investments of the same order of magnitude as large volume industries
- ▶ face the same challenges in the global market thus requiring also rapid reconfiguration for their production systems, enhanced security, smaller lots production and reduced costs



Robotics in I4MS

The Robotics projects :

- ▶ Develop and promote new concepts that speed up and facilitate the adoption of robotics technologies in the manufacturing domain.
- ▶ Promote them and facilitate access to robotics by European industry.
- ▶ Remove barriers to the introduction of new robot technologies in SMEs, thus enabling European SMEs to become more flexible and responsive to rapid changes in market demands



DIHs

HORSE

- ▶ Croatia -CROBOHUB
- ▶ Serbia-HUBTECS
- ▶ Spain HUB4MANUVAL
- ▶ Czech republic-DIGIMAT
- ▶ Ukraine -HULIT (IOT)

RECONCELL

- ▶ Serbia -FS4SMIH
- ▶ Lithuania - RALM
- ▶ Estonia - SmartIC
- ▶ Spain - iAsturias 4.0
- ▶ Denmark - IndustryBrains

