

# TG Meeting

## Software Engineering, System Integration, System Engineering

Arne Nordmann, Robert Bosch GmbH  
Christian Schlegel, Technische Hochschule Ulm

- 10:45 – 10:55 Introduction
- 10:55 – 11:05 Topic Group Infrastructure
- 11:05 – 11:30 Research Project Pitches
- 11:30 – 12:15 Discussion Panel

# EU Digital Industrial Platform for Robotics

Starting a Joint Effort of RobMoSys, ROSIN, SeRoNet, ...

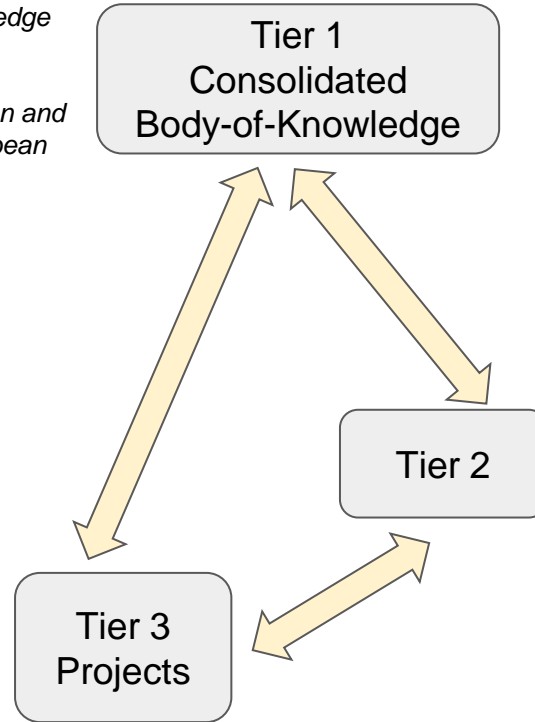
*early idea, starting point, ...*

# Towards an EU Digital Industrial Platform for Robotics

- RobMoSys
  - Christian Schlegel (HSU), Huascar Espinoza (CEA), Herman Bruyninckx (KUL), Gael Blondelle (Eclipse)
  - [www.robmosys.eu](http://www.robmosys.eu)
- SeRoNet
  - Martin Hägele (Fraunhofer IPA), Christian Schlegel (HSU)
  - [www.seronet-projekt.de/en/home.html](http://www.seronet-projekt.de/en/home.html)
  - [www.digitale-technologien.de/DT/Navigation/EN/Foerderprogramme/PAiCE/PAiCE.html](http://www.digitale-technologien.de/DT/Navigation/EN/Foerderprogramme/PAiCE/PAiCE.html)
- ROSIN
  - Carlos Hernandez (TU Delft)
  - [www.rosin-project.eu](http://www.rosin-project.eu)
- Eclipse Foundation
  - Gael Blondelle (Eclipse)
- euRobotics aisbl
- ...

# EU Digital Industrial Platform for Robotics

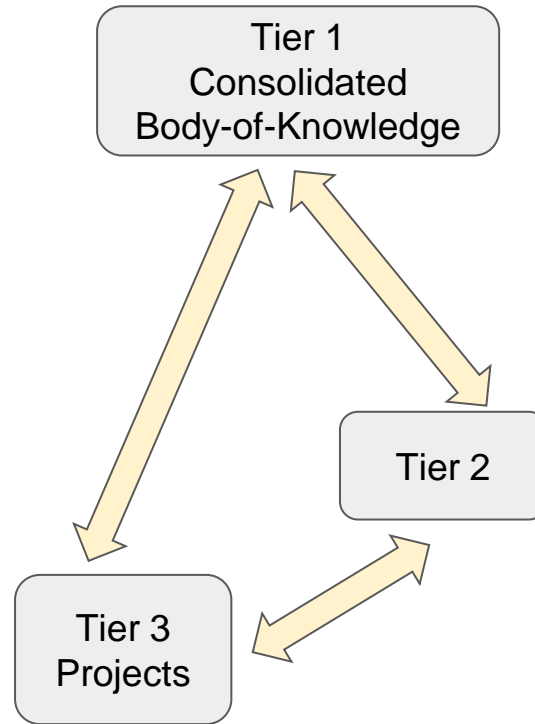
- *hosting a consistent body-of-knowledge which must be based on modeling*
- **moderating consens**
- *euRobotics aisbl is already **the** open and trustable body organizing the European robotics community*



- **individual projects** with their individual collaboration platforms
- all projects have unique selling points and can express their coverage and conformity to tier 1
- can be Eclipse projects but can be also any other hosting

- organized **structured dialogue** on the different concepts with shared collaboration platform

# EU Digital Industrial Platform for Robotics



## Tier 1: STEWARDSHIP

- Industry & Academia
- shaping & pushing the shared joint vision
- strategy & roadmapping
- advocacy group
- **trustee** for de-facto standard
- can outsource mature parts to standardization

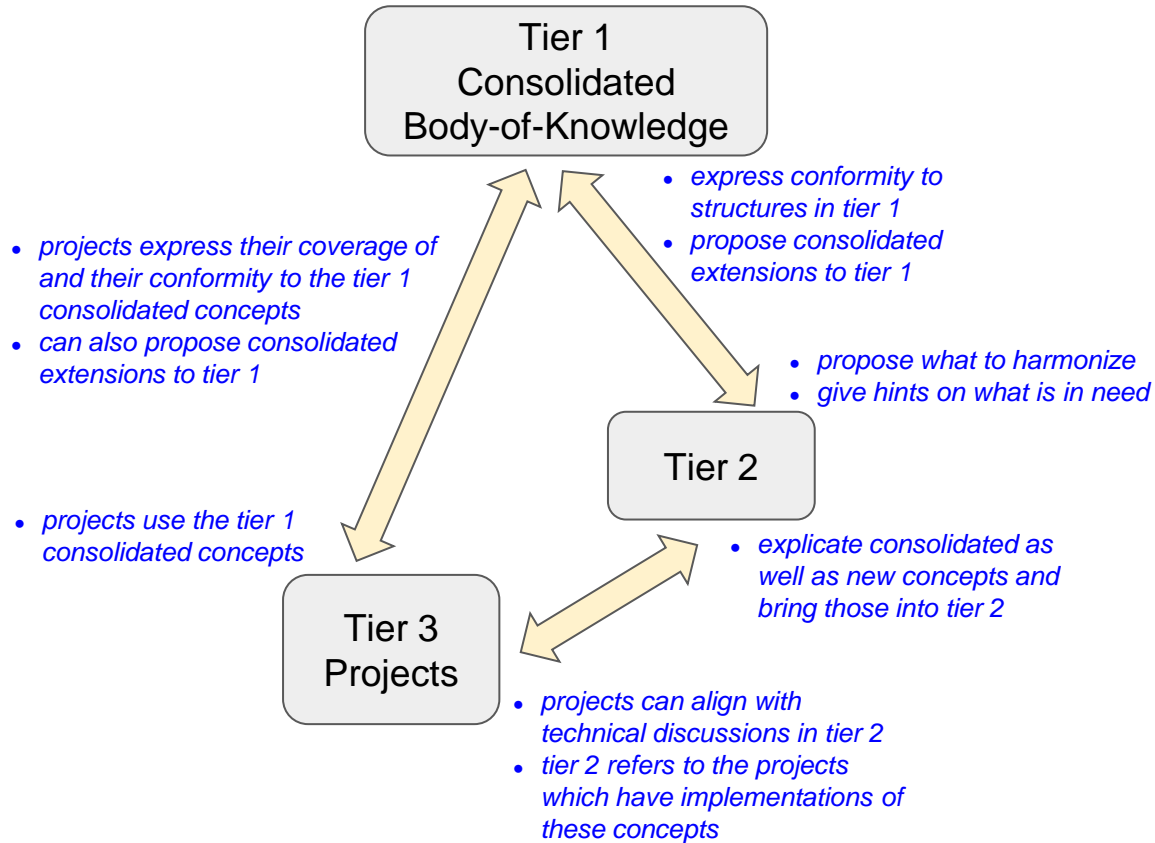
## Tier 2

- Industry & Academia
- **horizontal** professional technical exchange for convergence of concepts
- aims for mutual exchange, synergies and consolidated proposals upwards to tier 1
- tries to pick up and follow hints from tier 1

## Tier 3

- Industry & Academia
- **independent** projects, activities, ...
- implementations, software, ...

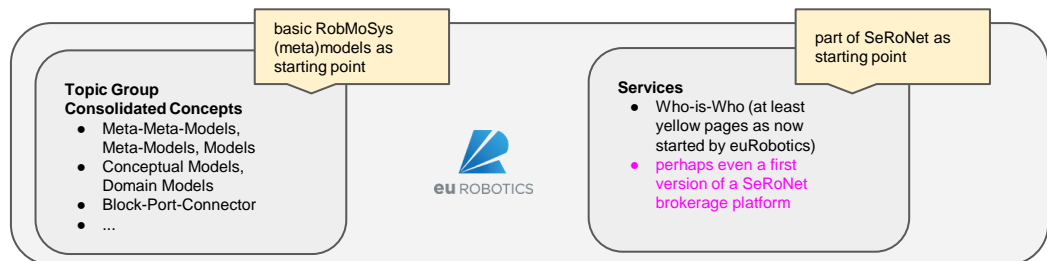
# EU Digital Industrial Platform for Robotics



# EU Digital Industrial Platform for Robotics

← shared joint vision for the benefit of Europe

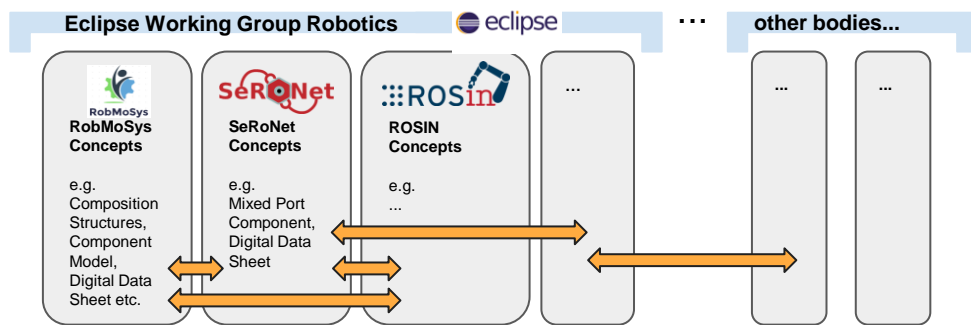
- hosting a consistent body-of-knowledge which must be based on modeling
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- Tier 1: STEWARDSHIP**
- Industry & Academia
  - shaping & pushing the shared joint vision
  - strategy & roadmaping
  - advocacy group
  - trustee for de-facto standard
  - can outsource mature parts to standardization

- projects express their coverage of and their conformity to the tier 1 consolidated concepts
- can also propose consolidated extensions to tier 1
- organized structured dialogue on the different concepts with shared collaboration platform
- projects use the tier 1 consolidated concepts

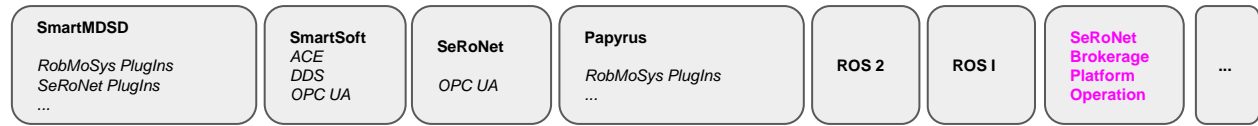
- express conformity to structures in tier 1
- propose consolidated extensions to tier 1
- propose what to harmonize
- give hints on what is in need



- Tier 2**
- Industry & Academia
  - horizontal professional technical exchange for convergence of concepts
  - aims for mutual exchange, synergies and consolidated proposals upwards to tier 1
  - tries to pick up and follow hints from tier 1

- individual projects with their individual collaboration platforms
- all projects have unique selling points and can express their coverage and conformity to tier 1
- can be Eclipse projects but can be also any other hosting

- explicate consolidated as well as new concepts and bring those into tier 2
- projects can align with technical discussions in tier 2
- tier 2 refers to the projects which have implementations of these concepts



- Tier 3**
- Industry & Academia
  - independent projects, activities, ...
  - implementations, software, ...