



Towards an European Platforms Initiative?

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European Commission

H2020 Work Programme Robotics and Autonomous Systems



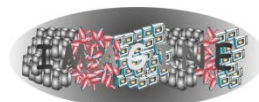
Call 1: 17 projects

Call 2: 19 projects (+ 2 FoF projects)

Call 3: 16 projects (+ 1 RRI-SSH)

Call 4: opens 14/12/2016

closes 25/04/2017





Digitising the European Industry

Roundtable 20/09/2016:

- Mainstreaming digital innovation across all sectors (WG1)*
- Strengthening competitiveness in digital technologies value chains and platforms (WG2)*

Jobs and skills

Regulatory framework conditions

- *Platforms*
- *Interoperability Frameworks*
- *Reference Architectures*

- *Standardisation in a global context*
- *Certification*

**DEI –
WG2**

- *Labs and testbeds*
- *Large scale /System level*
- *Experimentation*

- *Pan-European synchronisation*
- *Pooling of investment*



Platforms in Robotics

- *Robotics current SoA and trends*
- *Need to better support development and innovation*
- *Robotics is the "Science of Integration" 😊*
- *FP6/FP7/H2020 efforts on architectures, hardware and software developments*
- *Strategic Research Agenda (and MAR)*
- *Software Engineering, System Integration, Systems Engineering euRobotics Topic Group*
- *Digitising the European Industry*



Towards a European Robotics Platform Initiative ?

- *Timely initiative*
- *RobMoSys and ROSIN joining efforts (ex: this workshop)*
- *Role of the community*
- *Commitment of users*
- *Areas of applications*

Domains dependant platform?

- *Balance between generality and domain specific requirement*
- *Healthcare*
- *Autonomous Ground Vehicles*
- *Unmanned Aerial vehicles*
- *Human-Robot Collaboration*
- *Search&Rescue*
- *Social robotics*
- *Humanoids*
- *Industry 4.0*

Making the best of

- *what we have developed so far*
- *the newly funded projects RoBMoSys and ROSIN (15.5 MEUR in total!)*
- *the community interest and needs*

 ***How to engage all relevant stakeholders?***

How to focus efforts?

How to achieve concrete and useful results?