



RobMoSys

RobMoSys

composable models and
software
for robotics systems



EUROPEAN
ROBOTICS FORUM

Brought to you by SPARC

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Edinburgh, Scotland, UK

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HORIZON 2020 project n° 732410
Innovation Action on systems development
technology

www.robmosys.eu

The project ID



RobMoSys

- **RobMoSys**: Composable Models and Software for Robotic Systems
- In response to **H2020** Project – ICT-26- TOPIC : System abilities, development and pilot installations
- SubTopic c: **Innovation Action** on systems development technology.

The “**System development tools**” sub-call

- **Start Date** 01/01/2017
- **End Date** 31/12/2020
- **Duration** 4 Years
- **Budget** 8M, where 4 M for Open-Calls
- **Web Site** <http://robmosys.eu/>

AMBITION

RobMoSys will coordinate the whole community's best and consorted efforts to realize a **step-change** towards an industry-grade software development European ecosystem

- open
- sustainable
- industrial quality

RobMoSys part of the effort on **Digital Industrial Platforms for Robotics**



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APPROACH



RobMoSys

Model-driven engineering as key enabler for

- complex software and system integration
- high-quality standards compliance

Expected results

- repository of formal models for robotics
- tooling for correct-by-construction composition and code generation
- open-source software and tools “track”

Community Involvement

- Workshops Series for fast feedback from the community: **1° today at ERF 16.15 – 17.45!**
- Open Calls (better tools, models and software)



IMPACT



RobMoSys

Professionalization of software development in robotics

Improvement of product and service **quality** at **reduced development costs**

The further **commoditization** of basic robotics **software, models** and **advanced modeling tools**

Grow the potential market of **new-generation** robotics systems

