

I4MS 2016

Barcelona, 2nd of May



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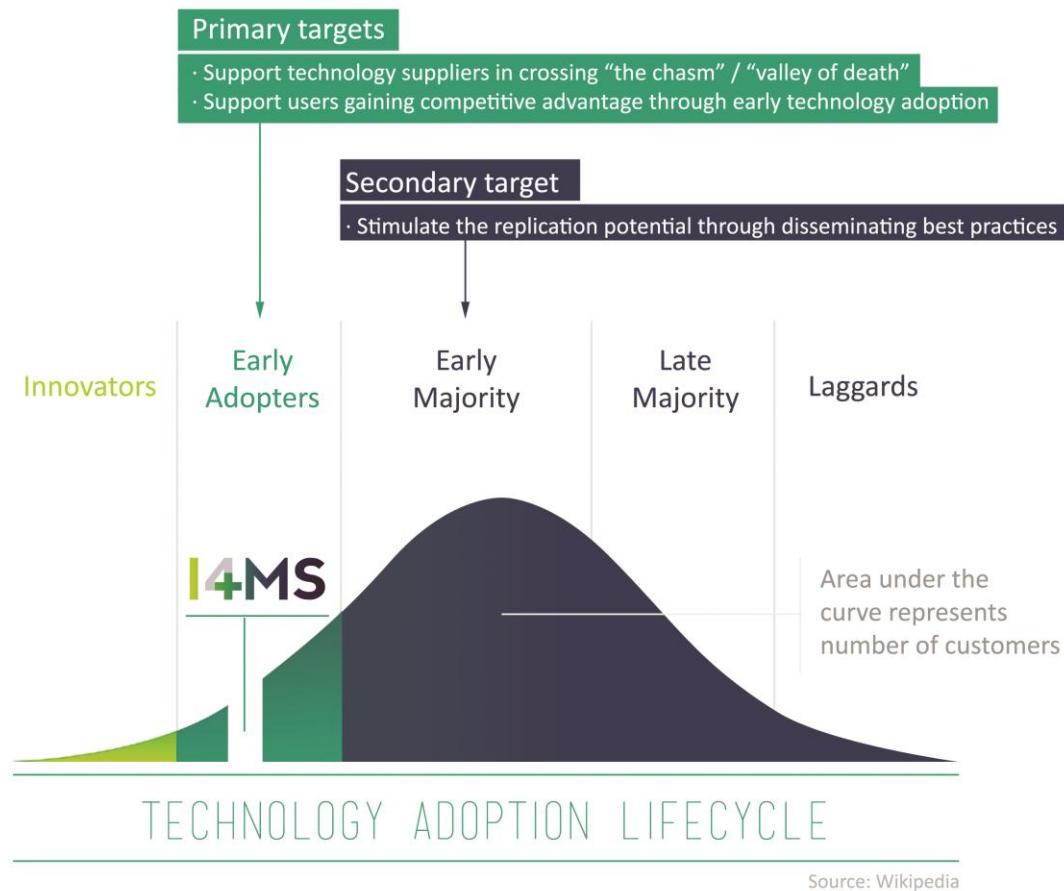
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The I4MS Initiative



Digitizing Europe

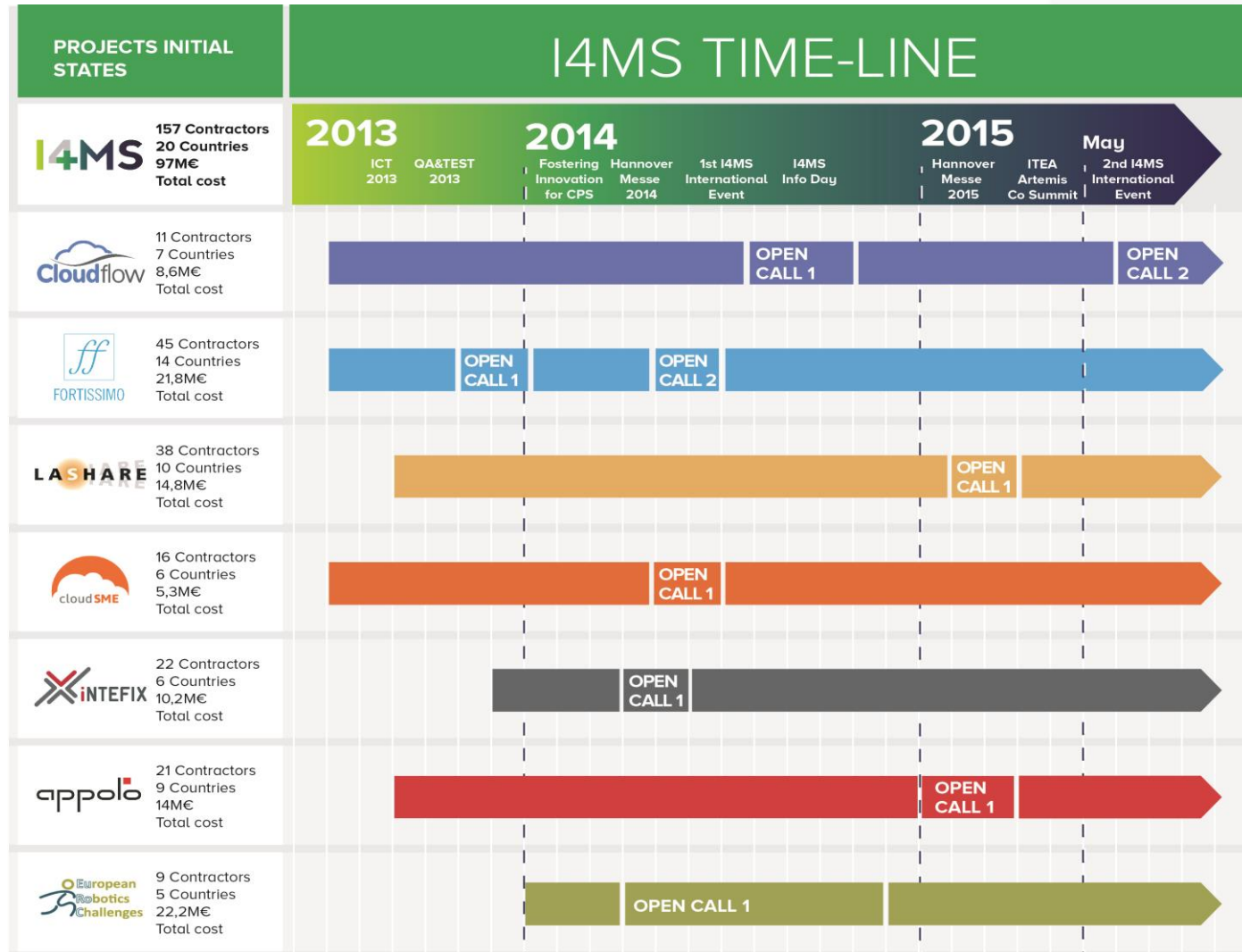


The Methodology



- COMPETENCE CENTERS
- SMEs:
 - Application experiments
 - Assessment experiments
- OPEN CALLS
- SMES' BENEFITS

I4MS Time-Line



Cloud services and simulation



FORTISSIMO

Simulation services on High Performance Computing cloud infrastructure to increase the competitiveness of European SMEs in the manufacturing domain.



CLOUDFLOW

Computational Services distributed on the cloud and accessible on-demand for the optimization of the SMEs' engineering design workflows.



CLOUDSME

Cloud Simulation Platform designed for developing simulations as a Service (SaaS) in the cloud in order to enhance the productivity of manufacturing and engineering SMEs.

I4MS - Laser

Laser technologies



APPOLO

Customisation and validation of emerging innovative laser technologies and processes in end-user application areas such as photovoltaics, automotive, printing and decoration.



LASHARE

Laser-based Equipment Assessments to support small and medium sized companies to develop demand driven innovative solutions for improved manufacturing performance that serve current production needs.

I4MS - Robotics

Robotics and intelligent fixtures



EUROC

Attract new end users toward customisable robot solutions for the development of new products and services so to enable future manufacturing in areas such as production, logistics and maintenance. These activities are complemented by EU actions having a similar structure such as ECHORD and ECHORD++.



iNTEFIX

Intelligent fixture systems developed for increasing the performance of machining processes through the ability to monitor, control and adapt manufacturing lines.

I4MS New Projects

BEⁱⁿCPPS



FORTISSIMO



RECONCELL

- 85 application experiments (mostly newcomers)
- 8.8M€ for open calls

Cloud services and simulation



FORTISSIMO 2

Follow on to the Fortissimo project, it will enable European SMEs to be more competitive globally through the use of simulation services running on a High Performance Computing cloud infrastructure.

Cyber physical systems



BEINCPPS

Improving the adoption of Cyber Physical Production Systems all over Europe by means of the creation, nurturing and flourishing of CPS-driven regional innovation ecosystems, made of competence centers, manufacturing enterprises and IT SMEs starting from five selected Smart Specialization Strategy Vanguard regions (Lombardia in Italy, Euskadi in Spain, Baden Wuerttemberg in Germany, Norte in Portugal, Rhone Alpes in France).

I4MS - ROBOTICS

Robotics



HORSE

Fostering technology deployment towards SMEs by developing a methodological and technical framework for easy adaptation of robotic solutions and by setting up infrastructures and environments that will act as clustering points for application experiments in the manufacturing sector.



RECONCELL

Enabling few-of-a-kind production for manufacturing SMEs by deploying a widely autonomous robotic workcell that allows very short, self-adaptable and affordable changeovers under the conditions demanded and based on end-user needs.

I4MS - highlights

Highly attractive to industry

In Phase 1 and Phase 2, out of 480 current contractors **340 are from industry**.

75% of the industrial partners are **SMEs and mid-caps** out of which around 65% had never participated in EU research and innovation programmes before.

As 50% of the industrial participants are end-users, the direct application of the experiments' results is guaranteed.

As opposed to financially oriented SME instruments I4MS provides **SMEs** with **easy access** to:

- competences and skills
- pan-European competence and business networks
- financial support

I4MS - highlights

Collaboration across Europe for a stronger European industry

More than 70% of the experiments have a relevant European dimension and are executed in collaboration of partners from different EU member states combining existing regional strengths and know-how. Even more of them facilitate collaboration and interaction across different regions.

29 member states and associated countries are involved (Phase 1 and Phase 2).

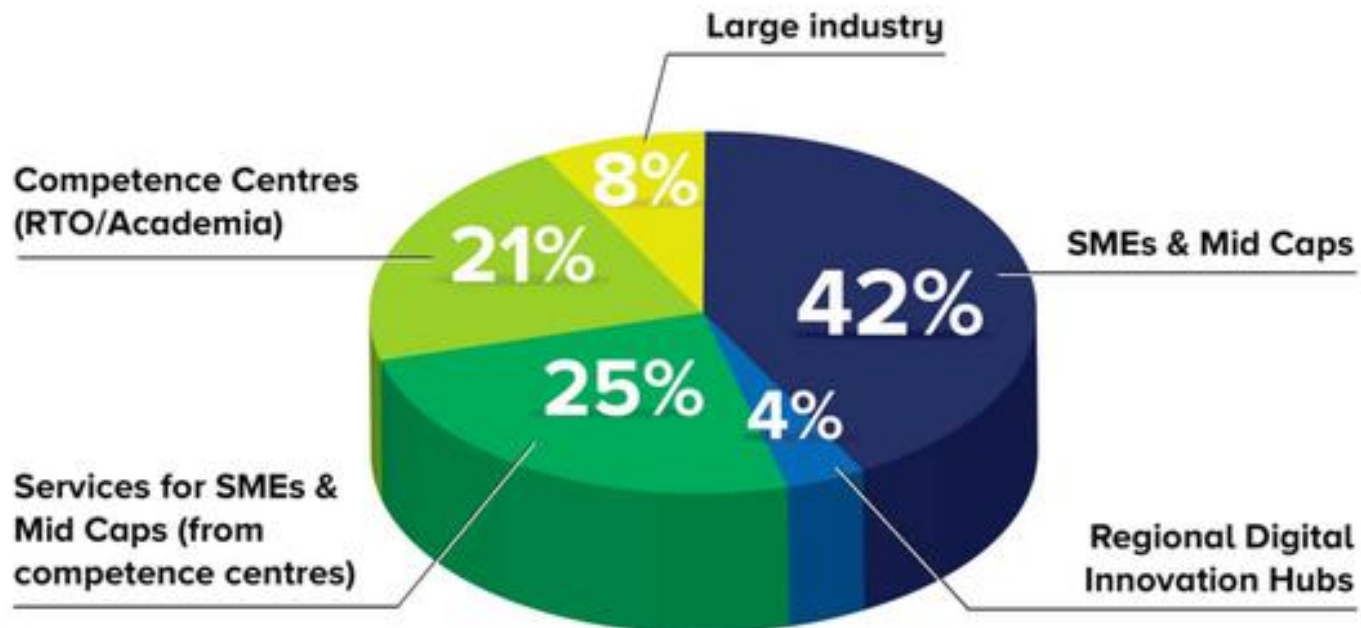
195 experiments have already been started in Phase 1. They have either been completed achieving the intended technological and economic impact or are in their final state of implementation.

25 experiments have been launched at the outset of Phase 2 and **60 additional experiments** are planned to be selected through open calls establishing new user-supplier collaborations.

I4MS - highlights

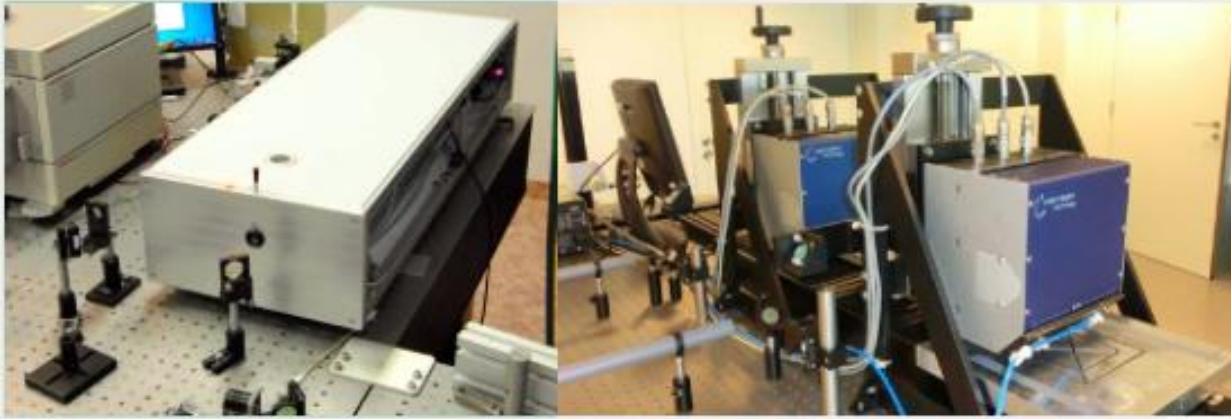
Financial support to SMEs and Mid-Caps

Distribution of the nearly 110 million EUR funding in % (Phase 1 and Phase 2)

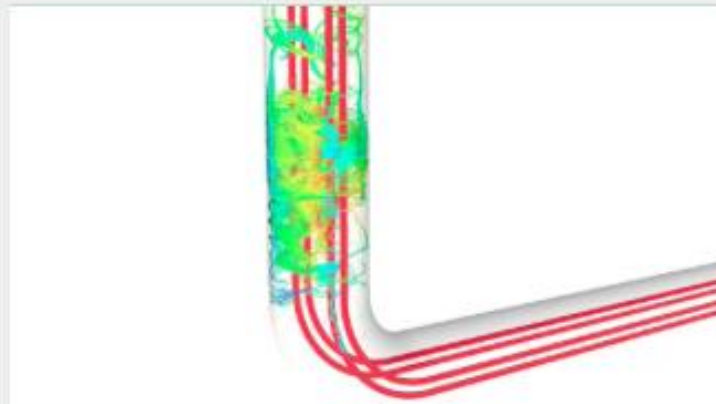


I4MS Results

Changing the way we design and manufacture technologies of the future



Cheaper cable production through 3-D design



I4MS Results

Cloud simulation for more green energy



Digital innovation hubs I4MS Phase 2



I4MS European Event 2016

23rd, 24th of June, Amsterdam
Jointly with "Industrial Technologies"

- Latest results
- New phase I4MS
- Conference
- Exhibition

Register !!



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THANK YOU

FOR YOUR ATTENTION

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