Factories of the Future: state of the Partnership

Progress since 2011 Info Day

- total of 61 projects running
- industrial participation continues to increase: well over 50%
- FoF PPP explicitly mentioned in EC Horizon 2020 proposal

Strong political support:
- “an example of effective co-operation”  
  Commissioner Máire Geoghegan-Quinn
- “the manufacturing sector maintains the key building blocks of our innovation ecosystem”  
  Commissioner Neelie Kroes
EFFRA continues to grow: 100+ participants at General Assembly 2012

now 115 members: large industry, SMEs, RTOs & Associations

developing close-cooperation with the European Commission through official body called AIAG

strategic roadmap - ‘Factories of the Future 2020’ - in development

expanded dissemination & communication of project developments, news & key information
Factories of the Future: state of the Partnership

Declaration of Commitment
(sent to EU Leaders prior to the last EU Summit)

“Our industries are ready to enter into joint programmes and investments to develop, implement and deploy innovative solutions that will secure the sustainability and competitiveness of European industry along with the highly skilled jobs that it provides”

From PPP Declaration Signed at Aarhus Industrial Technologies 2012
Factories of the Future: state of the Partnership
Monitoring & Assessment

Database on all FoF projects in the pipe-line which looks at information from different angles:

- projects
- organisations
- roadmaps & their (interrelated) research priorities
- results, spin-offs, patents

Aim: to monitor the implementation and assess the progress of the PPP
Factories of the Future: state of the Partnership

From FP7 to Horizon 2020

- challenges present at launch of European Economic Recovery Plan are still there
- Europe still a world-leader, however...
- ...competitors are acting too: AMP in US
- economic, societal & environmental challenges need to be over-come
- European Commission proposal on Horizon 2020: industry working on strategic roadmap
- Advanced Manufacturing also identified as a KET: implementation through FoF
- an appropriate budget is necessary to support effective projects
- continued effective & close relationship with DG RTD & DG CONNECT needs formalisation
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Next Strategic Roadmap

**Challenges & Opportunities**
- Economic
- Social
- Environmental
- New Product Markets

**Technologies & Enablers**
- Advanced Manufacturing Processes
- Mechatronics for Advanced Manufacturing Systems
- ICT
- Manufacturing Strategies
- Knowledge Workers
- Modelling, Simulation & Forecasting
Factories of the Future: state of the Partnership

Research priority domains

Domain 1: Advanced Manufacturing processes
Innovative processing for both new and current materials or products

Domain 2: Adaptive and smart manufacturing systems
Innovative manufacturing equipment at component and system level, including mechatronics, control and monitoring systems

Domain 3: Digital, virtual and resource-efficient factories
Factory design, data collection and management, operation and planning, from real-time to long term optimisation approaches

Domain 4: Collaborative and mobile enterprises
Networked factories and dynamic supply chains

Domain 5: Human-centric manufacturing
Enhancing the role of people in factories

Domain 6: Customer-focused manufacturing
Involving customers in manufacturing value chain, from product-process design to manufacturing associated innovative services

Challenges & opportunities
- Manufacturing future products
- Economic
- Social
- Environmental

Technologies & enablers
- Advanced manufacturing processes
- Mechatronics for advanced manufacturing systems
- Information and Communication Technologies
- Manufacturing strategies
- Knowledge workers
- Modeling, simulation and forecasting
Factories of the Future Public-Private Partnership

Roadmap Public Consultation

- launched today!
- gather a truly European vision
- identifying research priorities: these will be the foundation for future calls
- expected impact evaluation to be completed
- we invite you to examine consultation document & provide feedback via dedicated form
- deadline: Friday 1 October 2012

effra.eu/consultation
Factories of the Future: state of the Partnership

Outlook: Horizon 2020

- official presentation of FoF PPP Proposal (including vision, strategic roadmap and expected impact) for European Commission: January 2013

- FoF PPP continuation under Horizon 2020: formalised relationship with the European Commission

- FoF PPP will implement & promote the Advanced Manufacturing Systems KET

- monitoring through projects database
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Conclusion

- for the first time ever, we feel enthusiasm within the manufacturing community about EU R&D and Innovation Policy - thanks to the PPP
- partnership must be fully supported both now & in the long term with appropriate budget for projects
- a formalised partnership: recognition of its added-value & of real impacts to be achieved

What can you do?

- contribute to the public consultation on the strategic roadmap & inform your networks
- speak up: use your opportunity to co-determine implementation of EU R&D&I Policy
- get involved in EFFRA

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