Info-Day on Research PPPs

Factories of the Future implementation in the Horizon 2020 programme

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EFFRA Chairman
Status of Factories of the Future PPP

Just do it!
We are ready to contribute...

- general agreement on PPP approach
- ongoing simplification process
- light model financial framework regulation
- linking research and innovation to tackle societal challenges
Status of Factories of the Future PPP

EFFRA: two years of activities

Industry re-engaged in projects
• statistics show industrial participation of more than 50%
• AIAG works well and ensures that roadmap reflects industrial needs

Political support for PPPs
• positive feedback from DG Research Director-General and from MEPs
• interim assessment confirms that PPP is the right approach
Status of Factories of the Future PPP

Market oriented RD&I

US ADVANCED MANUFACTURING PARTNERSHIP (AMP)

• “Companies alone cannot justify investments in newest technologies and infrastructures: private investment must be complemented by public investment…”

• … investing in the emerging technologies will create high quality manufacturing jobs and enhance global competitiveness…

• …private-public initiative to spark a renaissance in manufacturing …to compete with anyone in the world…

• …ensure that we remain a nation that “invent it here and manufactures it here”…

• …partnership between government, industry and academia to identify the most pressing challenges and opportunities to improve technologies, processes and products across multiple manufacturing industries…

• …a new partnership to get the products from the drawing board to the factory floor to the market place more quickly”

FY 2012 governmental funding of $ 500 million to grow in four years to $1 billion per year
Factories of the Future beyond 2013

RD&I roadmap 2014-2020

• roadmap will not only cover R&D but also innovation activities

• guiding principles: industry competitiveness, from research to retail

• identification of industrial application fields

• proposals on additional market take-up measures

• multi-sector consultation process already started
Factories of the Future beyond 2013

RD&I challenges and enablers

- Environmental
- Social
- Economical
- New products/markets

Challenges

- Innovative technologies and enablers
  - ICT for manufacturing enterprises
  - ICT for manufacturing systems
  - Advanced materials in manufacturing
  - Novel processes for advanced materials
  - Knowledge workers and technologies

Innovative technologies and enablers
Proposal for Factories of the Future budget 2014 - 2020

Maintaining European leadership

- future size of Europe’s research PPPs should surpass competing initiatives (US, Japan, China)
- focus on demonstration and innovation requires additional financial investments
- Factories of the Future should be 3-4% of Horizon 2020 budget
- industry ready to match EU investments with own RD&I resources
- measure the programme impact with market oriented and macro-economic indicators
Proposal for PPP governance model

A contractual partnership agreement

• for long-term stability of Factories of the Future

• assigning specific roles to the public and private partners

• for simple and streamlined management processes

• for a more transparent and formalised cooperation between EFFRA and the Commission
Proposal for PPP governance model

Roles and responsibilities

PPP GOVERNING BOARD
- Commission representatives from relevant departments
- Industry and research leaders delegated by EFFRA

joint decision-making on strategic objectives

EC - “public”
- Coordination with respective Programme Committees
- Call administration
- Evaluation process
- Project negotiation
- Financial administration
- Internal audits

EFFRA - “private”
- Roadmapping 2014 - 2020
- Establishing annual priorities
- Nominating expert evaluators
- Project management
- Monitoring RDI projects
- Clustering projects and dissemination of programme
Factories of the Future implementation in the Horizon 2020 programme

Conclusions

- our competitors are moving fast, EU needs to become pro-active
- speed-up the formalisation of the partnership
- finalise FoF roadmaps and dedicated budget for 2014-2020

how to get involved

- support the association efforts
- participate in 2012 call projects
- contribute to the Factories of the Future 2014-2020 roadmap, open to consultation
- join EFFRA!