Preliminary Agenda
Workshop
Impact of the Factories of the Future PPP

Date and Place: 11-12 March 2013, Brussels, Belgium
Rapporteur for the event: Paul Kidd, Cheshire Henbury

11 March, Monday
Venue: Centre Borschette, rue Froissart 36, Brussels

13:30-14:00 Registration
14:00-14:30 Getting together in preparation of the parallel sessions

Parallel sessions – Rooms AB-3A, AB-3B, AB-3D

14:30-18:00 Presentations on the Impact of FoF PPP Projects (by topic)
Objective: Assessing the achievement of the expected impacts and of potential benefits of clustering

(Coffee break 16:00-16:30)

Session 1: Sustainable Manufacturing – 30 Projects in 8 Topics
Chair: Andrea Gentili, EC, DG RTD
Facilitators: Damián Borná-Cayuela - Sébastien Mortier, EC, DG RTD
Rapporteur: Johan Stahre, Chalmers University

Topics:
FoF.NMP.2010-2 Supply chain approaches for small series industrial production – 6 projects
FoF.NMP.2011-1 The eco-factory – 3 projects
FoF.NMP.2011-2 Cooperative machines and open architecture control systems – 3 projects
FoF.NMP.2011-3 Robots for automation of post-production – 4 projects
FoF.NMP.2012-1 Adaptive production systems and measurement and control equipment in manufacturing processes – 2 projects
FoF.NMP.2012-2 Methodologies and tools for maintenance of production equipment – 3 projects
FoF.NMP.2012-6 Knowledge-based tools and approaches – 4 projects
FoF.NMP.2012-7 Innovative technologies for casting, material removing and forming processes – 5 projects
Session 2: ICT for Manufacturing – 38 Projects in 5 Topics
Chair: Rolf Riemenschneider, EC, DG CNECT
Rapporteur: Prof Marco Taisch, Politecnico di Milano

Topics:
FoF.ICT.2010.10-1 Smart Factories: ICT for agile and environmentally friendly manufacturing – 8 projects
FoF.ICT.2012.7.1 Smart Factories: Energy-aware, agile manufacturing and customisation – 10 projects
FoF.ICT.2011.7.3 Virtual Factories and Enterprises – 10 projects
FoF.ICT.2011.7.4 Digital Factories: Manufacturing design and product lifecycle management – 8 projects
FoF.ICT.2011.7.2 Manufacturing solutions for new ICT products – 2 projects

Session 3: High-Performance Manufacturing – 30 Projects in 8 Topics
Chair: John Cleuren, EC, DG RTD
Facilitators: Neophytos Neophytou - Jan Ramboer, EC, DG RTD
Rapporteur: Amanda Allison, TWI

Topics:
FoF.NMP.2010-1 Plug and produce components for adaptive control – 6 projects
FoF.NMP.2010-3 Intelligent, scalable, manufacturing platforms and equipment for components with micro- and nano-scale functional features – 5 projects
FoF.NMP.2011-4 High-tech solutions for customised healthy, green and safe consumer products – 2 projects
FoF.NMP.2011-5 Towards zero-defect manufacturing – 4 projects
FoF.NMP.2011-6 Manufacturing chains for nano-phased components and coatings – 2 projects
FoF.NMP.2012-3 Intelligent production machines and 'plug-and-produce' devices for the adaptive system integration – 3 projects
FoF.NMP.2012-4 High-performance manufacturing technologies – 4 projects
FoF.NMP.2012-5 High precision production technologies for 3D micro parts – 4 projects

18:00 Networking Cocktail with welcome address by the Directors
12 March 2012, Tuesday  
Venue: Centre Borschette, rue Froissart 36, Brussels  

Plenary session – Room AB-0A  

Chair: José-Lorenzo Vallés, Head of Unit, DG RTD  

9:00-9:10 Welcome and Objectives of the Workshop  

9:10-9:25 Factories of the Future and Horizon 2020  
Herbert von Bose, Director, DG RTD, Industrial Technologies  

9:25-9:40 Impact of the FoF PPP – Viewpoints of Industry  
Rikardo Bueno, FoF Ad-Hoc Industrial Advisory Group  

9:40-10:30 Feedback on the parallel sessions  

10:30-11:00 Coffee break  

11:00-11:45 Success Stories  
- HARCO, Gian Mauro Manenia, CESI  
- E-CUSTOM, Dimitris Mourtzis, University of Patras  
- IMAGINE, Antonis Ramflos, Intrasoft  
- FEMTOPRINT, Nathaniel Groothoff, TUE  

11:45-12:45 Panel/Roundtable discussion: How can synergies and cluster activities increase the impact of the FoF initiative?  
- Prof José Caldeira, INESC  
- Kai Peters, VDMA  
- Juan Antonio Arrieta, IK4-IDEKO  
- Jan Willem Gunnink, Delcam  

12:45-14:00 Lunch Break  

14:00-14:10 EFFRA Project Database, Chris Decubber (EFFRA)  

14:10-15:10 Panel/Roundtable discussion: What lessons can be drawn from the four years of implementation of the FoF initiative?  
- Eberhard Bessey, DAIMLER  
- Sven Herrmann, Bosch  
- Egbert-Jan Sol, TNO  
- Jean-Bernard Hentz, AIRBUS  

15:10-15:40 Rapporteur's Summary & Conclusions  

15:40-15:50 Statement from the Private side of the FoF PPP  
Massimo Mattucci, EFFRA  

15:50-16:00 Statement from the Public side of the FoF PPP  
EC Representatives  

16:00 End
Session 1: Sustainable Manufacturing
30 projects

Topics:

FoF.NMP.2010-2 Supply chain approaches for small series industrial production – 6 projects
PHOCAM, E-CUSTOM, S-MC-S, MICRODRESS, MANUCLoud, CORENET

FoF.NMP.2011-1 The eco-factory: cleaner and more resource-efficient production in manufacturing – 3 projects
REFORM, EMC2-FACTORY, ENEPLAN

FoF.NMP.2011-2 Cooperative machines and open architecture control systems – 3 projects
HOL-I-WOOD, AUTORECON, PRACE

FoF.NMP.2011-3 Robots for automation of post-production and other auxiliary processes – 4 projects
THERMOBOT, MIROR, MAINBOT, CABLEBOT

FoF.NMP.2012-1 Adaptive production systems and measurement and control equipment for optimal energy consumption and near-to-zero emissions in manufacturing processes – 2 projects
DAphNE, FACTORY-ECOMATION

FoF.NMP.2012-2 Methodologies and tools for the sustainable, predictive maintenance of production equipment – 3 projects
IMAIN, SUPREME, POWER-OM

FoF.NMP.2012-6 Knowledge-based tools and approaches for process planning and integrated process simulation at factory level – 4 projects
CAPP-4-SMES, APPS 4 AME, DREAM, DES-MOLD

FoF.NMP.2012-7 Innovative technologies for casting, material removing and forming processes – 5 projects
AMCOR, PLAST4FUTURE, FLEXICAST, EFEVE, DIPLAT

Session 2: ICT for Manufacturing
38 projects

Topics:

FoF.ICT.2010.10-1 Smart Factories: ICT for agile and environmentally friendly manufacturing – 8 projects
PLANTCOCKPIT, QCOALA, FOFDATION, KAP, CUSTOMPACKER, TAPAS, ROBOFOOT, ACTIONPLANT

FoF.ICT.2011.7.3 Virtual Factories and Enterprises – 10 projects
MSSEE, COMVANTAGE, VENIS, EPES, IMAGINE, EXTREMefaCTORIES, ADVENTURE, GLONET, PREMANUS, BIVEE
Session 3: High-Performance Manufacturing
30 projects

Topics:

FoF.NMP.2010-1 Plug and produce components for adaptive control – 6 projects
COMET, POPJIM, HARCO, DYNXPERTS, LOCOBOT, AIMACS

FoF.NMP.2010-3 Intelligent, scalable, manufacturing platforms and equipment for components with micro- and nano-scale functional features – 5 projects
FAB2ASM, MANUCYTE, FEM2PRINT, WAFERLEVELOPTCS, IMPRESS

FoF.NMP.2011-4 High-tech solutions in the production processes for customised healthy, green and safe consumer products – 2 projects
FASHIONABLE, MYWEAR

FoF.NMP.2011-5 Towards zero-defect manufacturing – 4 projects
MEGAFIT, MUPROD, IFACOM, MIDEMMA

FoF.NMP.2011-6 Manufacturing chains for nano-phased components and coatings – 2 projects
GRAFOL, NANO-MASTER

FoF.NMP.2012-3 Intelligent production machines and 'plug-and-produce' devices for the adaptive system integration of automation equipment, robots and other intelligent machines, peripheral devices, smart sensors and industrial IT systems – 3 projects
SKILL-PRO, I-RAMP, PRIME

FoF.NMP.2012-4 High-performance manufacturing technologies in terms of efficiency (volumes, speed, process capabilities etc), robustness and accuracy – 4 projects
AMAZE, MEGAROB, DYNMILL, HYPROLINE

FoF.NMP.2012-5 High precision production technologies for high quality 3D micro parts – 4 projects
HI-MICRO, 3D-HIPMAS, HIPR, SMARTLAM