



## FOCUS: An Introduction

### awareness

Increasing current awareness and definition of FoF priorities



### methodology

Methodology on effective cluster creation, execution and monitoring



### dissemination

Dissemination and exploitation



### management

Management of the whole project



Many of the projects within the framework of the Factories of the Future Public Private Partnership (FoF-PPP) have very good results in terms of meeting the technological objectives, but take-up of the outcomes by the European manufacturing society may to some extent have been behind expectations. The impact expectations of PPPs such as sustainable growth and competitiveness through the renewal of industry and creation of jobs are critical for Europe. An assessment has shown that directly involved project partners have applied the outcomes in their businesses and business processes. Take-ups in general, however, i.e. by non-project members, were more difficult to identify. Challenges were identified on how to increase the take-up and amongst them were:

- i. Project consortia do not pay enough attention to the dissemination of their project results.
- ii. The outcomes are not always clearly demonstrated in an industrial environment which makes it difficult for non-project partners to understand the viability of the obtained results.
- iii. Exploitation routes to bring the promising project outcomes to the market are not clearly organized.

Recommendations that were made are now being addressed by the FOCUS consortium and are based upon the conclusion that creating clusters of FoF project activities, according to their objectives and addressed themes, is an effective way to enhance the impact of FoF projects.

Within FOCUS, five clusters (Zero Defect Manufacturing, Clean Factory, Robotics, High Precision Manufacturing, Maintenance & Support) will share experiences and best-

practices and will also define a methodology that can work for future clusters. FOCUS partners will provide proactive support to the projects in the participating clusters to disseminate their tangible outcomes and raise awareness of them, thus increasing the industrial exploitation and take-up in the short-term.

In line with this CSA (Coordination and Support Action), all achieved results will be made available via newsletters, tweets, press release and in cooperation with organizations like EFFRA (European Factories of the Future Research Association).

## OBJECTIVES:

### In five existing FoF clusters we will:

- Provide pro-active support to disseminate the projects' tangible outcomes to support industrial exploitation and take-up within the clusters.
- Review the state of the art and propose future FoF priorities.

### Building upon these five existing FoF clusters we will:

- Deliver a model and associated methodology for effective cluster creation, execution and monitoring in future FoF PPP clusters.
- Deliver a model and associated methodology for industrial exploitation and take-up of future FoF PPP projects.

## The FOCUS Project Newsletter Issue 1 - March 2015

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## Welcome to the first quarterly newsletter of the FOCUS project!

The FOCUS on FoF newsletter will keep you updated on the latest developments in the project and key news from our consortium partners on a quarterly base. It will also serve to raise awareness of the tangible outcomes and successes of projects within the participating clusters.

Please click here to sign up to our email newsletter and please share it with your friends and colleagues.

“*FOCUS outcomes will be multiplied by using the network of the five clusters and partnering with organizations like EFFRA.*”

Odd Myklebust, NTNU, Project Coordinator



This project is co-funded by the European Commission as part of the European Economic Recovery Plan (EERP) adopted in 2008. The EERP proposes the launch of Public-Private Partnerships (PPP) in three sectors one of them being Factories of the Future (FoF). Factories of the Future is a EUR 1.2 billion program in which the European Commission and industry are collaborating in research to support the development and innovation of new enabling technologies for the EU manufacturing sector.

# FOCUS Consortium: Kick Off Meeting, February 2015

On 26th February, FOCUS Project Coordinator Odd Myklebust welcomed 18 representatives from the 11 participating partners of the FOCUS project. The FOCUS consortium is made up of a unique blend of partners from industry, research institutions and universities who are all highly motivated to deliver project results to European manufacturing industries. The consortium involves 11 partners from 7 different countries throughout Europe. Partners involved are NTNU (Norway), University of Sheffield (UK), Delcam (UK), IK4-Ideko (Spain), TECNALIA (Spain), Centro Ricerche Fiat (Italy), Royal Philips (Netherlands), KULEUVEN (Belgium), UNIPD (Italy), Fraunhofer (Germany) and Politecnico di Milano (Italy).

The FOCUS partners will not only meet the project objectives but will also represent five chosen clusters. Their experience will be used to maximise the impact of the projects within these clusters as well as jointly developing a proven model and associated methodology for future effective cluster creation, execution and monitoring.

During the Kick Off Meeting, Hanna Kuittinen (of Tecnalia, who are leading the work on methodology for cluster creation, industrial exploitation and take-up) explained possible approaches to realize this. Markus Wabner (of Fraunhofer, who are leading the work on increasing current awareness and definition in the clusters of FoF priorities) explained how to initiate and execute the work planned whilst also introducing the five participating clusters with help from the cluster leaders.



The FOCUS Consortium at the KO Meeting, Brussels

The clusters within FOCUS are: Zero Defect Manufacturing (4ZDM), Clean Factories, Robotics, High Precision Manufacturing (High Micro) and Maintenance and Support; a diverse 'community' but representative for the European manufacturing industry, enabling us to meet our objectives.

## Partner Profiles



The Norwegian University of Science and Technology, (NTNU) is Norway's primary university for science and technology, founded as the Norwegian Institute of Technology (NTH) in 1910 and later merged with the University of Trondheim. NTNU includes 7 faculties

and 53 departments with approx. 22 000 students, half are studying in technology or natural sciences. NTNU has a staff of 5000 people; 2700 in scientific positions and about 350 PhD degrees are awarded yearly. NTNU has a broad range of contacts with global R&D actors, in academia and in the industry. NTNU is an active participant in the EU R&D Framework Programs.

The department of Production and Quality Engineering has a long and deep experience with industrial projects, particularly in the area of Intelligent systems, manufacturing systems, data mining and knowledge discovery, diagnosis and prognosis of engineering systems and risk and maintenance management.



The University of Sheffield is a member of the UK's prestigious Russell Group of leading research-led institutions, offering world-class teaching and research excellence across a wide range of disciplines.

The University of Sheffield AMRC is a world-leading cluster of industry-focused manufacturing R&D centres and supporting facilities, including the original Advanced Manufacturing Research Centre with Boeing and the Nuclear AMRC – the two core centres are both part of the High Value Manufacturing Catapult, a consortium of seven leading manufacturing and process research centres backed by Innovate UK.

AMRC now employs almost 500 highly qualified researchers and engineers from around the globe, in purpose-built facilities on and around the Advanced Manufacturing Park in South Yorkshire.

“  
With such a motivated and experienced group of partners the project as such will have an impact while their foreseen results will guarantee also future impact in other and new clusters.  
”

Hanna Kuittinen, Tecnalia

## Coming soon...

- Press release of the Kick Off meeting - March 2015
- FOCUS Clusters, in detail - April 2015 onwards
- Issue 2 of the newsletter released - June 2015



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## Follow the progress of FoF!



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