



mKETs-Pilot lines project

The goal of the mKETs-PL project is to prepare and foster a common understanding and consensus for future actions in Europe focusing on multi-KETs pilot lines



Final Conference of the Multi KETs pilot lines project:

Public support for multi-KETs pilot production: A roadmap to jobs and growth

Program and outline

21-22 January 2015

Date: 21nd January 2015
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Number of pages: 6

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Final Conference of the Multi KETs pilot line project

We welcome you to the conference of the Multi Key Enabling Pilot Lines project “Public support for multi-KETs pilot production: A roadmap to jobs and growth” and wish you an inspiring conference with fruitful discussions and insights.

Place and date

The event takes place:

On 21st of January 2015 (welcome buffet)
at the Members Salon in the European Parliament.

The Access Pass will be available at the Main Entrance of the European Parliament facing Place Luxembourg from 18h45 to 19h45 on Wednesday, 21 January.

And 22nd of January 2015

at the Microsoft Executive Briefing Centre, Rue Montoyer 51, 1000 Brussels, Belgium.

The registration desk is situated at the entrance of the Centre.

<http://www.microsoft.eu/ebc/>

Objectives

The multi-KETs Pilot Lines (mKPL) project develops a shared vision for the development of Key Enabling Technologies (KETs) pilot lines in Europe. The objective of this closing event is to present and disseminate the results and the lessons learned of the mKPL demonstration activities and the project in general. An important issue is to discuss the findings with the broader audience, as well as policy implications in order to finalise the tentative policy roadmap for multi-KETs pilot production activities.

The conference takes place in the frame of the “multi Key-Enabling-Technologies Pilot Lines” Project initiated by the European Commission DG Enterprise and Industry. The project aims at the preparation of a common understanding of pilot production activities and how they could be supported by the European Commission. Pilot production activities (including pilot lines or plants) build the bridge between research and industrial production. Today, many promising technologies remain in the laboratory, as they are not able to cross this bridge, even though they could contribute to productivity and growth. A policy to support pilot production activities is a promising tool to help companies in overcoming the so called “valley of death”.

Scope of the conference

The one-day conference features high-level experts from industry sharing experience in pilot activities, as well as keynotes from policy makers with insight into new funding opportunities and strategies. The entire experience is moderated and enhanced with the latest findings from the mKPL consortium. Attendees also have the chance to interact with managers of top rated pilot line demonstrators during the showcase of selected demonstration pilots.

Target audience

Target audience of the Final Conference of the Multi KETs pilot line project are stakeholders from:

- Industry
- Policy makers (EU, national, regional)
- Research and academia

The event is free of charge.

Further information

You can find further information on the Multi KETs pilot line project and project results on the following web page:

<http://www.mkpl.eu/>

Program

21.1.	Members Salon in the European Parliament	
19.00	Registration	
19.30	Welcome reception	Welcome Address: Lambert van Nistelrooij, MEP Arnold Stokking, Managing Director TNO
22.1.	Microsoft Executive Briefing Centre, Rue Montoyer 51, Brussels	
08.30	Registration and coffee	
9.00	Welcome	Chairman: Thomas Reiss, Fraunhofer ISI
9.10	Multi KETs Pilot production: EU policy	Pedro Ortun, Director of DG ENTR, European Commission
9.25	The Multi KETs Pilot Lines (mKPL) project	Ruud Baartmans, TNO, mKPL project manager
9.40	mKPL project scope and findings: a common understanding of pilot production activities	Maurits Butter, TNO, mKPL scientific manager
10.10	<i>Coffee break</i>	
10.30	Technology validation in a common Pilot production	Tommy Höglund, Acreo Printed Electronics Arena Manufacturing
10.50	mKETs-pilot production in medium sized companies and Mid-caps	David Billon Lanfrey, Sofradir
11.10	Shared facilities for Pilot production	Wim Soetaert, Bio Base Europe Pilot Plant
11.30	Multiple partner consortia and joint innovation in a technology eco-system	Johann Massoner, Infineon
11.50	Tentative Policy roadmap	Maurits Butter, TNO, mKPL scientific manager
12.10	<i>Lunch break</i>	
13.10	Introduction to parallel sessions	Thomas Reiss, Fraunhofer ISI
13.20	Parallel sessions on roadmap: How to handle complexity of KETs – The tentative policy roadmap	
<i>Session 1</i>	Technological complexity: Technology infrastructure and institutional support (Shared facilities, RTOs)	Chair: Göran Gustafsson, Acreo Swedish ICT
<i>Session 2</i>	Value network complexity: aligned development in an Eco-system (Network support)	Chair: Rob Hartman, ASML
<i>Session 3</i>	Market complexity: Pilot production for the verification of applications (Demonstrators)	Chair: Olof Sandberg, RISE
14.10	<i>Coffee break</i>	
14.30	Wrap up of parallel sessions	Chairs
14.45	Panel discussion: Panel of 6 representatives from policy, industry and RTOs (see addendum)	Chair: Thomas Reiss, Fraunhofer ISI
15.45	Conclusions and final remarks	Thomas Reiss, Fraunhofer ISI
16.00	End of the conference: Snacks and drinks	Optional tour through exhibition

Program addendum

Parallel sessions (13.10h - 14.10h)

There will be three parallel sessions on different topics related to the policy roadmap. Within these sessions, the different topics will be discussed with the audience after a short introduction. Afterwards there will be a wrap up of each session in the plenary.

Session 1: “Technological complexity: Technology infrastructure and institutional support (Shared facilities, RTOs)”

Chair: Göran Gustafsson, Acreo Swedish ICT

We have identified that technological complexity of mKETs, together with the high capital needed, is one of the major reasons why pilot production has a high risk and is avoided. Often, research and development on product and process side are needed in pilot production, although a demonstrator of a particular product is already available. The equipment for scale-up and pilot production can differ strongly from laboratory equipment. As such, access to technological infrastructure is needed. If this is not available or too expensive to engage in pilot production, it evidently is a barrier, especially for smaller companies.

One of the policy measures to overcome this barrier are shared facilities for pilot production and RTOs, who can play an important role in mKET pilot production activities. In this session, we would like to discuss policy measures related to the involvement of RTOs and universities in pilot production activities and the need for shared facilities to be used for pilot production.

Session 2: “Value network complexity: aligned development in an Eco-system (Network support)”

Chair: Rob Hartman, ASML

The innovation eco system of a company is very important when it comes to the introduction of novel technologies through pilot production. In pilot production, typically several stakeholders have to collaborate in order to solve the technical and non-technical problems. Especially for highly advanced (multi-KET) pilot production activities, the competence needed to successfully implement a pilot production activity does not lie in a single organization. Owing to the technological and the market complexity, the owner of a pilot production has to involve other stakeholders such as suppliers, RTOs or customers to get access to competence or resources or speed up the innovation process. Although such an innovation network can be beneficial for the pilot production activity, several barriers exist that lead to the avoidance of engaging in collaboration. Most important barrier is the risk of losing core-knowledge. The creation of trust between potential partners is therefore of highest importance. Besides that, the finding of right partners is also crucial.

Network support is one of the most common ways to support innovation on regional, national and supra-national level. Most of the existing measures are working well, but an improved coordination is needed. First experiences on the European level with network support especially dedicated to pilot production activities have been collected. The question, the roadmap tries to address, is to which extend the policy measures for the innovation eco-systems have to be tailored to pilot production activities and what the peculiarities are that need to be regarded.

Session 3: “Market complexity: Pilot production for the verification of applications (Demonstrators)”

Chair: Olof Sandberg, RISE

Multi-KET pilot production requires high investments. With increasing complexity of the different technologies and with more technologies combined in a product the effort even increases. For decision makers within the companies and financing institutions the most crucial question to support such an investment is if the final product will find a valuable market. Thus, key to investment is to demonstrate and assess the relevant markets. One of the main barriers on this way is to find a first potential customer who is willing to join in the innovation process and invest itself in the integration of the new technology. If a technology can prove its usability in one application it is at least easier to convince customers for other applications.

In order to increase the number of multi-KET pilot productions in Europe, policy can support actively this kind of collaborations between technology companies and the first applicant firms. Even though this and other market oriented measures would presumably have a high leveraging effect, until now there are only a very few funding schemes for technology deployment addressing market articulation approaches. Within the workshop we would like to discuss, if policy should expand their funding catalogue by market articulation interventions in order to foster pilot production investments in the industry.

Panel discussion (14.45h - 15.45h)

The panel discussion is guided by the chair of the day, Thomas Reiss from Fraunhofer ISI. The participants of the panel discussion are:

- Gavino Murgia (DG ENTR, EC)
- Manfred Kircher (Cluster Industrial Biotechnology, CLIB)
- David Billon Lanfrey (Sofradir)
- Walter Nadrag (Sico)
- Dr. Martin Pfeiffer (Heliatek)
- Mathias Rauch (Fraunhofer)
- Peter Eriksson (VINNOVA)

Within the one hour panel discussion pilot production and the related support will be discussed. Some aspects from the earlier programme will be reflected against the background of the experiences of the experts. The audience is invited to address any open issues or questions related to the topic.

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