



**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



# Multi-KETs Pilot Lines

Assessing options for policy support.

## Crucial role of Key Enabling Technologies

The European Commission has identified 6 Key Enabling Technologies that are crucial to the further development of the European economy. Whilst a significant part of the goods and services that will be available in the markets of the 2020's are as yet unknown, the main driving force behind their development will be the deployment of these KETs. As such, application of these KETs is considered to directly or indirectly stimulate competitiveness and generate jobs, growth and wealth in the economy.

## Bridging the valley of death

Although much research in these KETs is conducted, the actual application is not optimal. Bridging this so-called "Valley of Death" to upscale new KET technology based proto-types to commercial manufacturing often is a weak link in successful use of the potential of the KETs. To bridge this gap, pilot lines are needed to initiate the first experience with the new technologies and enable commercial manufacturing.

## Preparing a common understanding of pilot lines

The up scaling of technologies towards commercial manufacturing is often hardly supported by policy. The mKPL project aims at the preparation of a common understanding of what these pilot lines are and how they can be supported by the European Commission. This ambitious project pays specific attention for those initiatives which are driven by a combination of technologies (multi-KETs).

## Two step process in the project

The overall goal of this project is to prepare and foster a common understanding and consensus for future actions in Europe focusing on multi-KETs pilot lines. This is going to be done by a combination of an assessment of the policy and industrial initiatives in this field (phase 1) and an in depth practical analysis of two pilot lines (phase 2).

### Phase 1: Assessment of state of play

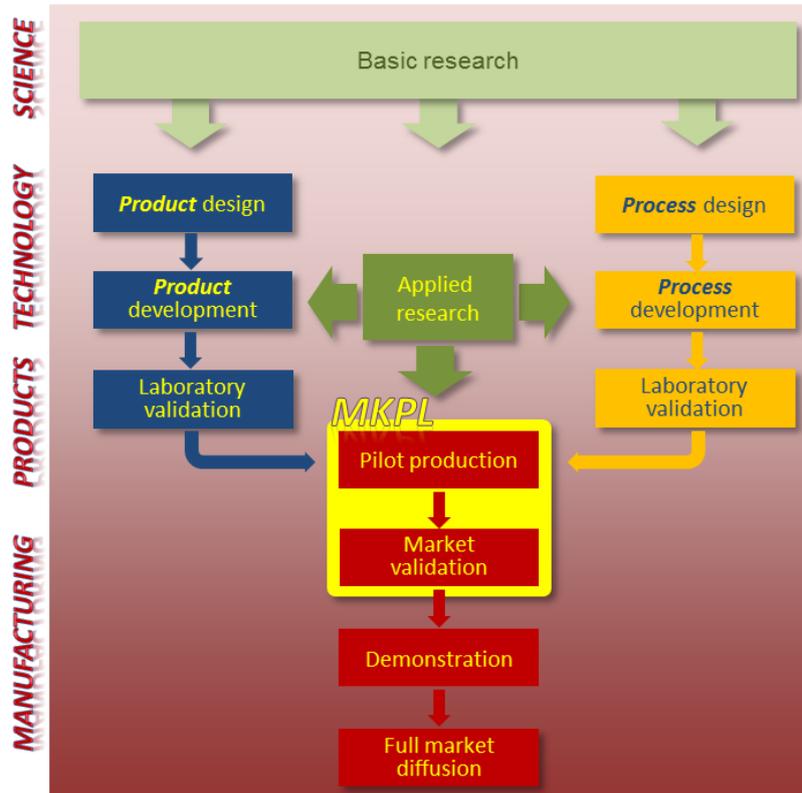
Although there is a broad consensus within Europe on the benefits of Key enabling technologies for the economy and society at large, a clear view of the concepts, what kind of policy initiatives are already being implemented and what pilot initiatives can be seen is lacking. This phase aims on

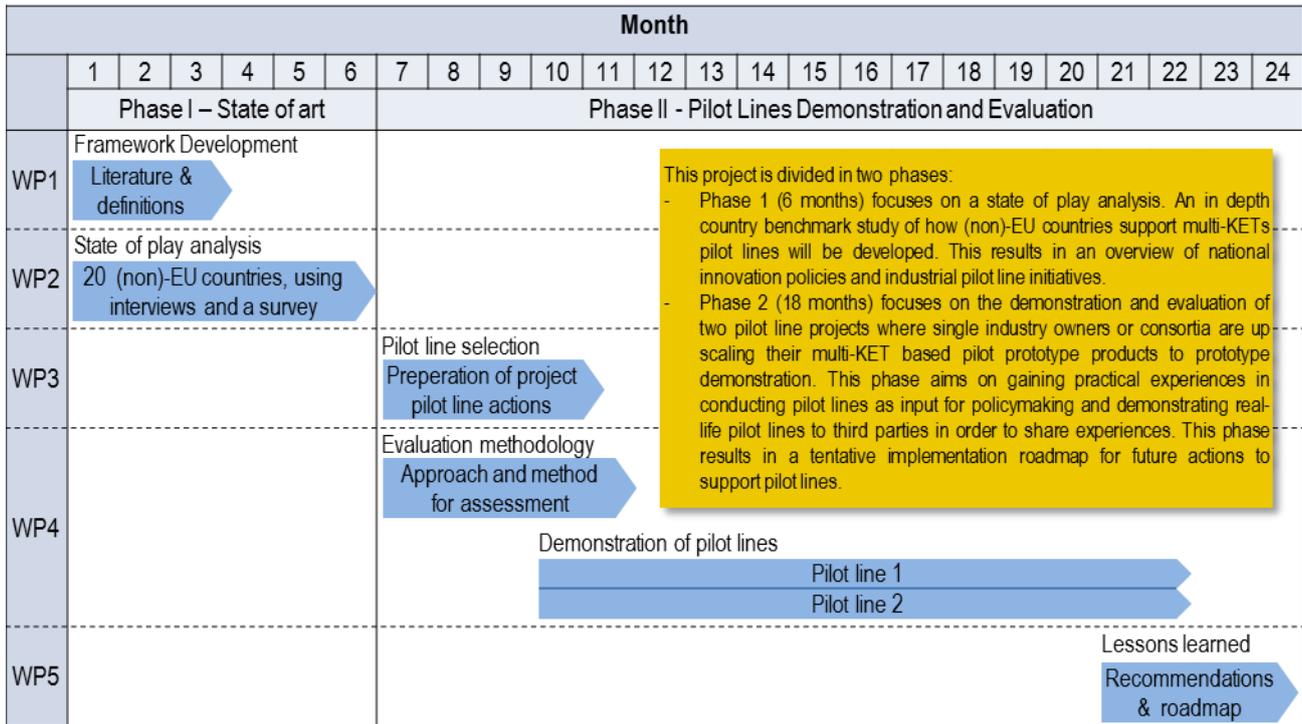
developing a shared vision for the efficient development of multi-KETs pilot lines and on developing an overview of how EU member state support (multi)-KETs pilot lines. Some 20 countries are assessed on their state of play, including the identification of national policies and industrial initiatives in the field of pilot lines.

### Phase 2: Conduction two multi-KET pilot line projects

Core in the study is the analysis of two multi-KETs pilot line projects, where single industry owners or consortia are up scaling their KET based pilot prototype

products to prototype demonstration. The objective of these pilot line projects is twofold: 1) gaining practical experiences in conducting pilot lines as input for policymaking and 2) demonstrating real-life pilot lines to third parties in order to share experiences. These aim at increasing the capacity of SME's, research organisations, intermediary organisations to engage in Pilot line activities.





#### Five work packages to cover the breadth of the project

The work packages are distributed over a 24 month time period. A graphical representation of the project is displayed above. The work packages include the following activities:

- WP1: developing and finalizing the approach and framework for conducting the work in phase I of the project, including literature collection, definitions, stakeholder lists and templates in preparation for WP2.
- WP2: preparing a multi-stakeholder benchmark analysis including a state of play, country and comparative analysis of 20 EU and non-EU countries.
- WP3: developing the methodology and criteria for the selection of multi-KETs pilot lines and the preparation and implementation of multi-KETs pilot lines demonstration activities.
 

*The 2 pilot lines to be assessed will be selected during the project out of the industrial pilot lines identified during WP2.*
- WP4: assessment and demonstration of two demonstration pilot lines to third parties. The demonstration has to be designed, implemented and assessed with a view to draw useful lessons for policy making related to multi-KETs pilot lines.
- WP5: integration of all findings and formulating of conclusions and the policy roadmap. This includes the final workshop, final conference and final report.

During the course of the project, several conferences and workshops will be organized to discuss the outcomes of the various phases and gain input from experts in the field.

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