ClusternaNanoroad project

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Driving economic development from nanotechnology

Brussels

www.clusternanoroad.eu

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Background & Aim

Background:

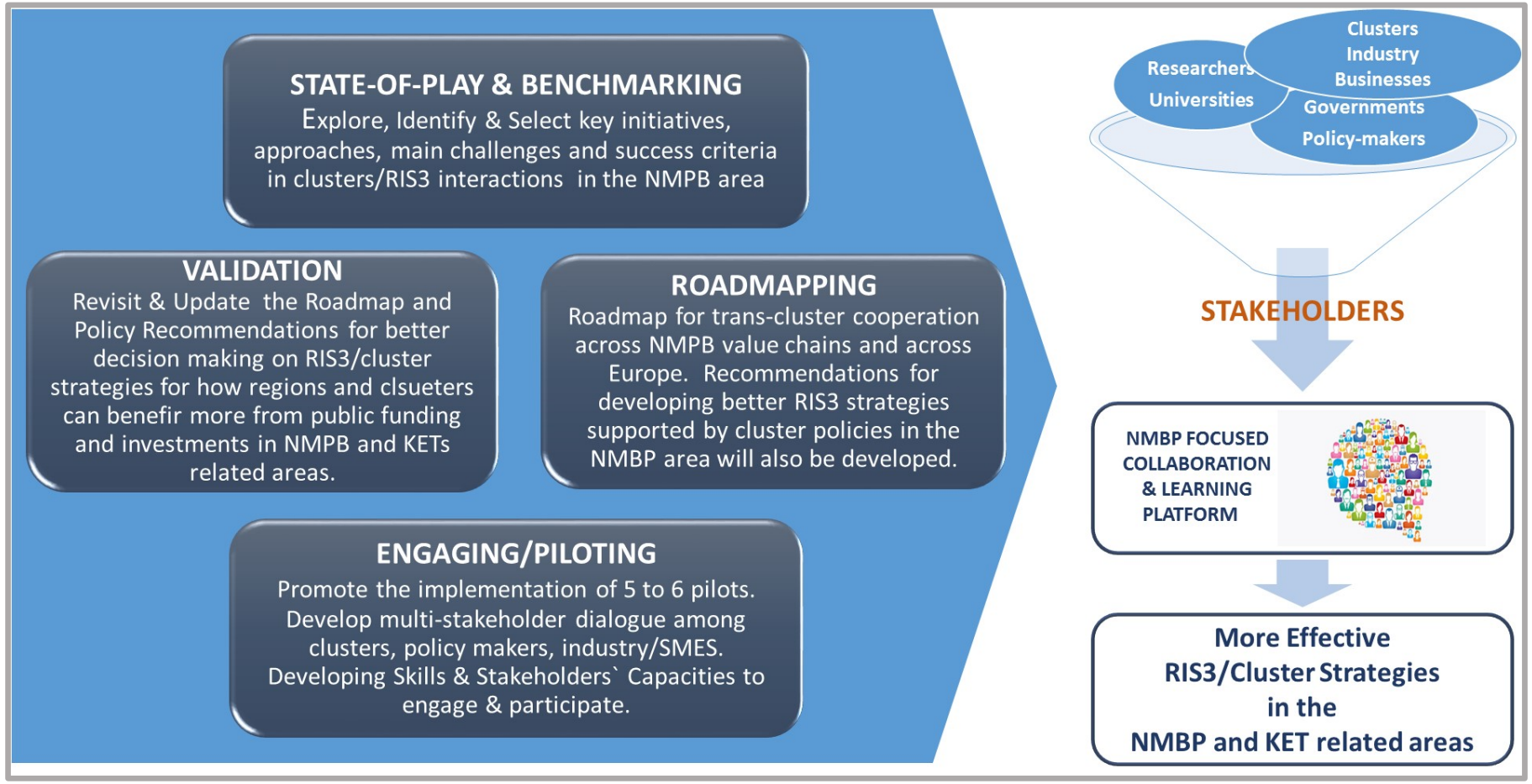
- NMBP-33-2016 - Networking and sharing best experiences in using regional clusters strategies with a focus on supporting innovation.
- Challenges surrounding NMBP, smart specialization, and the role of clusters in providing concrete inputs into the development of Smart Specialisation Strategies (RIS3).

Aim:

- **Better support to the involvement of clusters in the definition of RIS3 strategies** that will stimulate the uptake of NMBP & Key Enabling Technologies (KETs) including nanotechnology, advanced materials, biotechnology and advanced manufacturing into multiple sectors across Europe.

- Mobilise clusters, regional authorities and actors throughout the innovation chain and stakeholders throughout Europe in order to help shape strategic priorities for **future regional concerted RIS3/cluster policies, at a transregional and transnational level**

Conceptual approach



Get Involved!

- **Pilot actions**

ClusterNanoRoad is developing test cases which have the aim to help clusters work together for better identification and integration of enabling technologies into their own smart specialization strategies. Actions launched in September 2017, running with a combination or online and face to face services.

  - **Pilot 1: Focus on the relationship cluster organisation – cluster stakeholder in the process of delivering innovative solutions.** Mix model: A multidisciplinary approach to grab the opportunities offered by MNBP technology and transform them into concrete and sustainable solutions answering a real societal or business.
  - **Pilot 2: Cluster & Regional policy maker working groups:** improving knowledge sharing and collaboration between policy makers aiming at developing policy measures and instrument supporting innovation process.
  - **Pilot 3: Cluster to cluster collaboration:** Joint technical, market and regulatory horizon scanning which will support the innovation process.

- **Roadmap**

A roadmap is being developed, with workshops to be hosted in multiple countries as part of the validation process. Clusters and regions can take part in roadmap development and help to host validation workshops within regions.

Deliverables Published

- Roadmap we are developing that is then expected to support regions and clusters in the design, implementation and assessment of mechanisms to support the uptake of KETs through cluster-based actions.
- Background work developed during the 1st year of the project and that have provided the state-of-play and starting point for the activities that are being now developed. WE will present a summary and main conclusions of the following work and documents produced
  - Deliverable 1.1 - Mapping of EU and National initiatives
  - Deliverable 1.2 - Benchmarking Guide: KET cases for the visualization of good practices and success factors challenges/barriers for implementation
  - Deliverable 1.3 - Presentation of the novel approaches and categorization of success factors.

Recommendations Deliv. 1.3

- Lower the entrance threshold and **support the capacity building for SMEs** for easier access to research and innovation, including research and innovation infrastructure.
- Identify and **provide financial instruments that can allow SMEs to access RDI infrastructures inter-regionally/cross border,** e.g. through innovation vouchers.
- Policy measures including regional, national and European innovation strategies are crucial for innovation and regional development. **Further dissemination and communication actions to stimulate demand amongst SMEs and enhance the access to pilot plants and technology platforms** is therefore needed, addressing policy makers
- **Support industry and application driven multi-stakeholder partnerships, strategically targeting large-scale research, development and innovation activities using a combination of different funds.**
- **Support pilot production as the "scale-up"** stage needed to cross the innovation gap often called “Valley of Death”, allowing enterprises to test and demonstrate innovative solutions and gather information about the performance and behaviour of a future marketable product/service.
- Value creation often occurs at the cross over points between sectors. The enabling functions of KETs means that they are often key facilitators of cross sectoral collaboration. **Actions to enhance cross sectoral collaboration, via clusters, as part of a RIS3 implementation strategy can therefore play an important role in stimulating demand and regional competiveness.**

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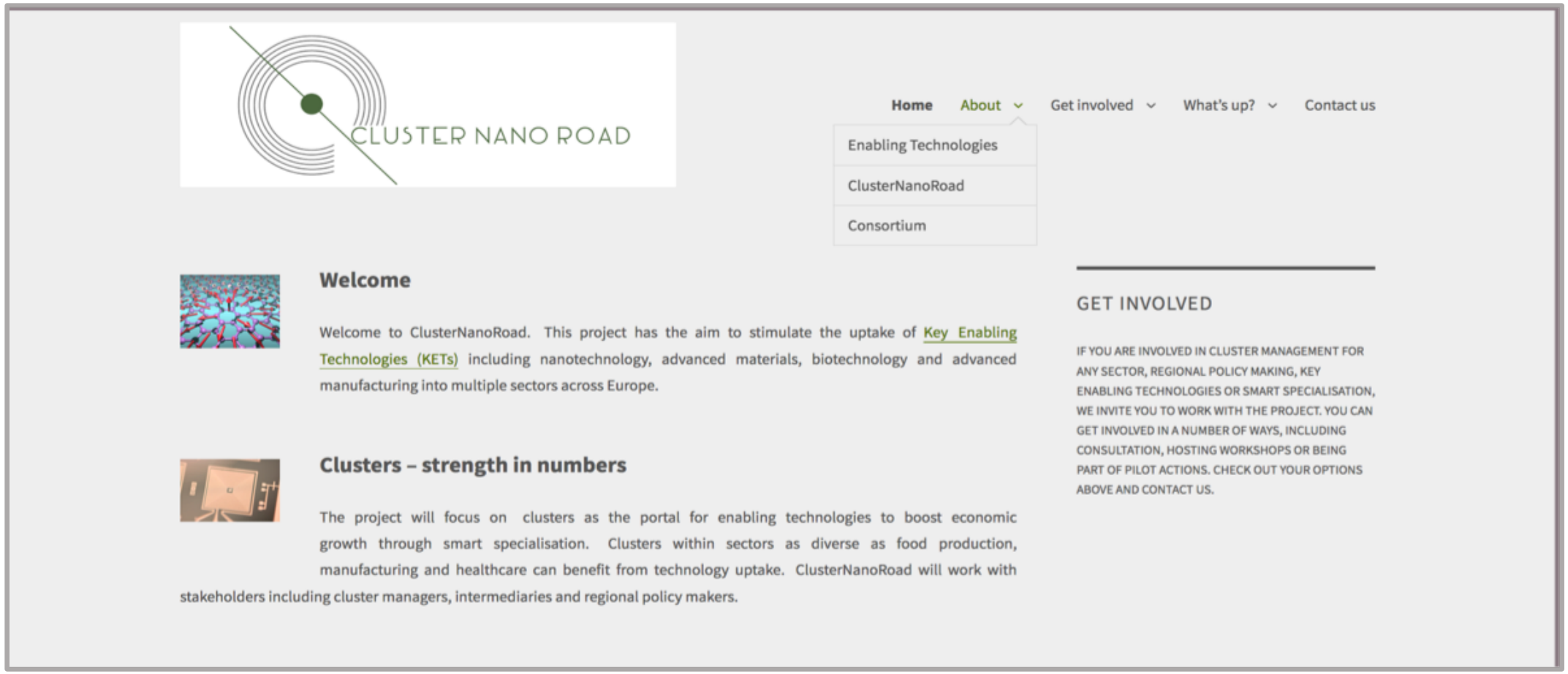

Thank you

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