















This project is funded by the Horizon 2020 Framework Programme of the European Union under grant agreement no 723630

ClusternaNanoroad project

11th April 2018

Driving economic development from nanotechnology

Brussels

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



STATE-OF-PLAY & BENCHMARKING

Explore, Identify & Select key initiatives, approaches, main challenges and success criteria in clusters/RIS3 interactions in the NMPB area

VALIDATION

Revisit & Update the Roadmap and Policy Recommendations for better decision making on RIS3/cluster strategies for how regions and clsueters can benefir more from public funding and investments in NMPB and KETs related areas.

ROADMAPPING

Roadmap for trans-cluster cooperation across NMPB value chains and across Europe. Recommendations for developing better RIS3 strategies supported by cluster policies in the NMBP area will also be developed.

ENGAGING/PILOTING

Promote the implementation of 5 to 6 pilots.

Develop multi-stakeholder dialogue among clusters, policy makers, industry/SMES.

Developing Skills & Stakeholders` Capacities to engage & participate.

Researchers Industry
Businesses
Universities Governments
Policy-makers

STAKEHOLDERS

NMBP FOCUSED COLLABORATION & LEARNING PLATFORM



More Effective
RIS3/Cluster Strategies
in the
NMBP and KET related areas

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.

- <u>Pilot 1: Focus on the relationship cluster organisation cluster stakeholder in the process of delivering innovative solutions.</u> 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.
- <u>Pilot 2: Cluster & Regional policy maker working groups:</u> improving knowledge sharing and collaboration between policy makers aiming at developing policy measures and instrument supporting innovation process.
- <u>Pilot 3: Cluster to cluster collaboration</u>: 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 <u>Benchmarking Guide: KET cases for the visualization of good practices and success factors challenges/barriers for implementation</u>
 - Deliverable 1.3 <u>Presentation of the novel approaches and categorization of success</u> factors.

Recommendations Deliv. 1.3

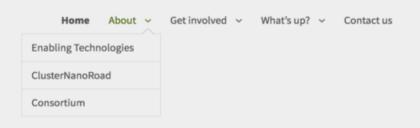


- Lower the entrance threshold and **support the capacity building for SMEs** for easier access to research and innovation, including research and innovation infrastructure.
- Identify and provide financial instruments that can allow SMEs to access RDI infrastructures inter-regionally/cross border, e.g. 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.

www.clusternanoroad.eu









Welcome

Welcome to ClusterNanoRoad. This project has the aim to stimulate the uptake of <u>Key Enabling Technologies (KETs)</u> including nanotechnology, advanced materials, biotechnology and advanced manufacturing into multiple sectors across Europe.



Clusters – strength in numbers

The project will focus on clusters as the portal for enabling technologies to boost economic growth through smart specialisation. Clusters within sectors as diverse as food production, manufacturing and healthcare can benefit from technology uptake. ClusterNanoRoad will work with stakeholders including cluster managers, intermediaries and regional policy makers.

GET INVOLVED

IF YOU ARE INVOLVED IN CLUSTER MANAGEMENT FOR ANY SECTOR, REGIONAL POLICY MAKING, KEY ENABLING TECHNOLOGIES OR SMART SPECIALISATION, WE INVITE YOU TO WORK WITH THE PROJECT. YOU CAN GET INVOLVED IN A NUMBER OF WAYS, INCLUDING CONSULTATION, HOSTING WORKSHOPS OR BEING PART OF PILOT ACTIONS. CHECK OUT YOUR OPTIONS ABOVE AND CONTACT US.















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Thank you

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