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ERA-NET SIINN

Consolidated Framework for EHS of Manufactured Nanomaterials

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- What is an ERA-NET?
- ERA-NET SIINN on Nanosafety
- Consolidated Framework for EHS of Manufactured Nanomaterials

What is an ERA-NET?



- European funding instrument (FP6/FP7)
- Eligibility: National or regional ministries and funding agencies from EU Member States and associated countries
- Other countries may participate as associated partners
- Main objective: Coordination of national funding programmes; preparation and implementation of joint transnational calls
- Cooperation of ERA-NET partners is funded by the European Commission
- Funding of research projects from national budgets of ERA-NET partners
- More than 190 calls with more than 2000 transnational projects since 2004
- More than 100 ERA-NETs between 2002 - 2010
- Funding volume (research projects): approx. € 300 mill. per year
- Significant leverage effect by ERA-NETs

ERA-NET SIINN – Safe Implementation of Innovative Nanoscience and Nanotechnology

- Term of 3 years: 01/08/2011 – 31/07/2014
- 19 partners from 14 countries und 3 regions
- EU funding: 1.5 million €
- Coordinator: Project Management Agency Jülich (Germany)
- Topical focus:
 - Appraisal of current status in the field of nanosafety research
 - Identification of knowledge gaps
 - Cooperation with international initiatives, roadmapping, communication
 - Development of a „Consolidated Framework for the safe handling of EHS risks related to manufactured nanomaterials“



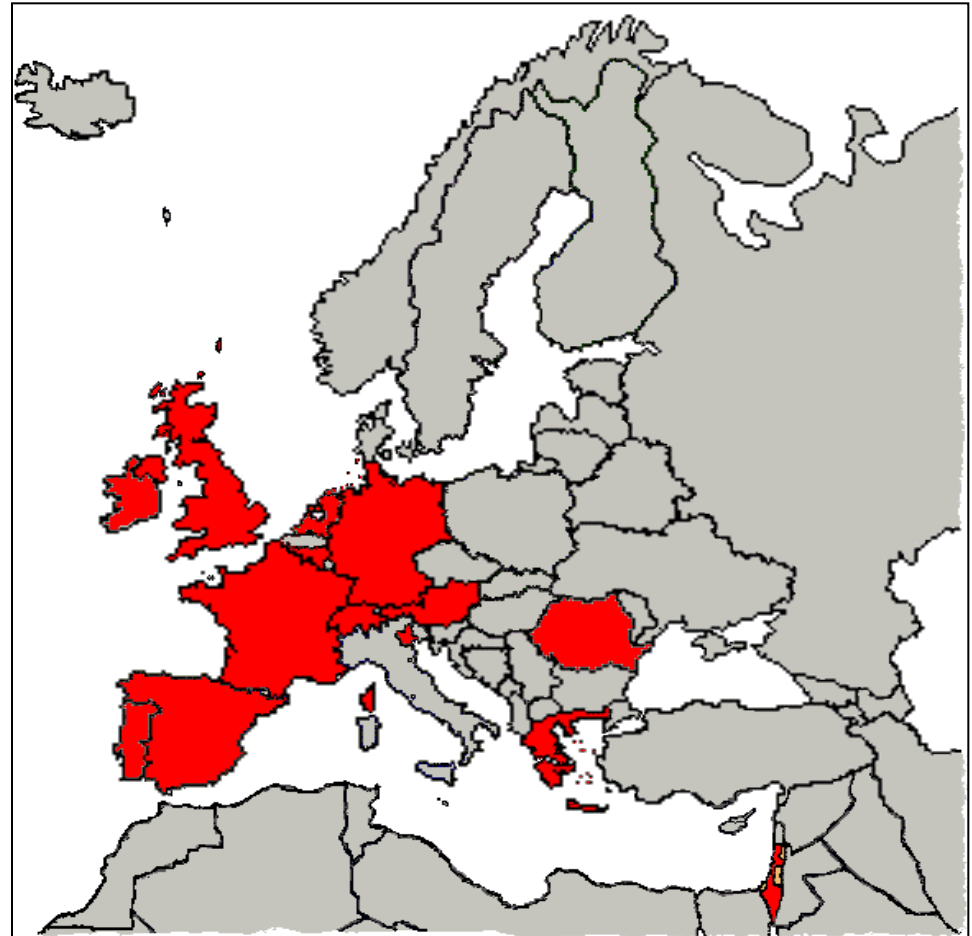
Main Objective:

■ 3 transnational joint calls

Topics: Effects of manufactured nanomaterials on biological systems, human health and environment, exposure assessment, characterisation methods, etc.

SIINN Participants (Partners of First Call)

- 19 partners (20 organisations) from 14 countries
- ministries and/or funding agencies from 10 EU Member States
 - **Austria**
 - **France**
 - **Germany**
 - Greece
 - Ireland
 - The Netherlands
 - **Portugal**
 - **Romania**
 - Spain
 - **United Kingdom**
- 3 EU Regions
 - **Wallonia (Belgium)**
 - Madrid (Spain)
 - Veneto Region (Italy)
- 2 associated countries
 - **Switzerland and Israel**



Topics of first and second joint SIINN call



- Models and methods for analytical tools, theoretical prediction and characterization
- Exposure assessment
- Environmental impacts of MNMs
- Effects of MNM on human health
- Over-arching aspects of nanosafety research
- Toxicity mechanisms

Third joint SIINN call planned in 2014
⇒ US interest to participate?
⇒ Option to connect to CoRs?

ERA-NET SIINN Consolidated Framework



- Within SIINN, high priority is given to **developing a consolidated framework to address nano-related risks and the management of these risks for humans and the environment by investigating properties of MNMs.**
- This consolidated framework for EHS represents one of the key deliverables of the SIINN project.
- First draft available on SIINN website (<http://www.siinn.eu/>)
- The consolidated framework is a living approach, continuous updates and improvements are foreseen. Collaboration in the frame of US-EU CORs is considered beneficial!



The consolidated framework targets the following stakeholder groups:

- European and national policy-makers
- European and national stakeholders and decision-makers
- Industry, industry unions / industrial associations, and interest groups
- Researchers working in the field
- Relevant European Technology Platforms and clusters
- European Commission
- International organisations such as the OECD, ISO, CEN, etc.
- Specialists for workers safety, human health and the environment
- Non-governmental organisations
- Insurance companies, risk assessment and validation organizations

PLUS: international experts in the field, for global coordination



The consolidated framework document ...

- is a gateway to the identification of: best practices, synergy potentials and the elaboration of recommendations for future collaborations on the strategic and operational level addressing nanomaterials' EHS.
- includes precautionary measures, pre-normative work, steps towards regulations, common actions and projects are included
- includes a summary that functions as an introduction to and overview of the selected topics.
- is organized in a way to give a guideline how to enter into the topic of EHS.
- gives substantial hints for further reading or own researches.
- However, it is not meant to replace in-depth full-length texts that are necessary for the respective specialists.

ERA-NET SIINN Consolidated Framework



State of work:

- A draft of the framework has been elaborated, discussed with internal and external experts, and is now available on the SIINN website:
<http://www.siinn.eu/en/news-events/consolidated-framework-for-ehs-of-manufactured-nanomaterials,3,40>
- This draft is a recommended guideline for approved SIINN ERA-NET research projects.

Outlook:

- Until the end of the year, feedbacks from all stakeholders will be collected. The NanoSafety Cluster has been asked explicitly for input in July 2013.
- So far, feedbacks from ...
 - Guenter Oberdoerster (University of Rochester)
 - Enrico Bergamaschi (University of Parma)
 - Véronique Garny (CEFIC)
 - Aart Dijkzeul (Project Manager of NANoREG project)
 - Patrice Conner (AFNOR)
- Further feedback is more than welcome (send to siinn@temas.ch)!
- Update of consolidated framework available in January 2014.
- The final delivery is due in February 2014.

Thank you for your attention!



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