ERA-NET SIINN
Consolidated Framework for EHS of Manufactured Nanomaterials

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Outline

- 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
  - 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?
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.
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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