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2015

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ERA-NET SIINN

Consolidated Framework

12.06.2015

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EuroNanoForum 2015, Joint Seminar on NanoSafety

Topic

- › SIINN deliverable D2.6:
Consolidated Framework for nano-EHS of Manufactured Nanomaterials



Background

SIINN has as its primary aim the promotion of the rapid transfer of the results of nanoscience and nanotechnology research into industrial applications by helping to create **reliable conditions**.

Priority of SIINN is to focus on developing a consolidated framework for the stakeholders to **better address nano-related risks and the management of these risks** for humans and the environment.

SIINN “Consolidated Framework for nano-EHS of Manufactured Nanomaterials”



Background

The following **stakeholders** are addressed:

- › European and national policy-makers, stakeholders and decision-makers for EHS related issues, precautionary actions and regulations,
- › Industry and industrial associations and interest groups,
- › Researchers working in the field of N&N or nanosafety,
- › Relevant ETPs (such as NANO futures ETIP) and clusters (e.g. the NanoSafety cluster),
- › The European Commission,
- › International organizations such as the OECD, ISO, CEN, etc.,
- › Industrial unions such as CEFIC,
- › Specialists for workers safety, human health and the environment,
- › Non-governmental organisations (NGO),
- › Insurance companies, risk assessment, validation organizations,
- › The Partners and Associate Partners of SIINN.



Goal

The purpose of the Consolidated Framework document is to present to the reader in a condensed and accessible form a **gateway** to basic information and definitions for nanomaterials, the identification of best practices, synergy potentials and the elaboration of recommendations for future collaborations on the strategic and operational level addressing MNM EHS.

This includes precautionary measures, pre-normative work, steps towards regulations as well as common actions and projects.



Goal

The document is intended as a **summary** that functions as an introduction to and overview of the selected topics.

However, it is not meant to replace in-depth full-length texts that are necessary for the respective specialists.



Development of the Framework

- › Concept:
Speranta Tănăsescu (UEFISCDI), and Mats-Olof Mattsson (AiT)
Jürgen Höck, and Karl Höhener (TEMAS)



Development of the Framework

- › A draft document was elaborated with internal experts under the coordination of the Swiss SIINN partner TEMAS AG (Jürgen Höck and Karl Höhener)
 - Denis **Duret**
 - Bertrand **Fillon**
 - Luana **Golanski**
 - Rainer **Hagenbeck**
 - Mats-Olof **Mattsson**
 - Sylvie **Motellier**
 - Stefano **Pozzi Mucelli**
 - Evangelia **Sarantopoulou**
 - Speranta **Tănăsescu**
 - Marina **Urbina**

- › The draft was complemented and consolidated internally and externally in several rounds



Development of the Framework

- › Based on all feedbacks and latest developments, a final draft was elaborated in April 2015
- › Approval by SIINN Executive Board on April 30, 2015.



Contents: Consolidated Framework

0. Introduction
1. Glossary
2. Risk assessment
3. Precautionary measures and Safe-by-Design approach
4. Good practices
5. Standardisation and assessment recommendations
6. Regulatory aspects of nanomaterials
7. Data sources
8. SIINN roadmap

ANNEX



Next steps

- › Distribution via liaisons to Stakeholders → snowball effects resulting from those:
 - The partners and associate partners of SIINN,
 - European and national policy-makers,
 - Industry and industrial associations and interest groups,
 - Relevant ETPs (such as NANO futures ETIP) and clusters (e.g. the NanoSafety cluster),
 - The European Commission,
 - International organisations: OECD, ISO, CEN,
 - Industrial unions: CEFIC,
 - Non-governmental organisations (NGO),
 - Insurance companies, risk assessment and validation organizations.



Next steps

- › Consolidated Framework also to be transferred and implemented by projects resulting from SIINN transnational calls:

Call 1: NanoIndEx
Nanoheter
NanOxiMet

Call 2: FENOMENO
NanoToxClass
NanoSafeLeather
NANOGEKO
PLATOX

Call 3: The Third SIINN Call was launched in October 2014

SIINN “Consolidated Framework for nano-EHS of Manufactured Nanomaterials”



Feedbacks...

... are highly welcome! Please contact:

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The Consolidated Framework can be downloaded at:

http://www.siinn.eu/bin/D2.6_Consolidated_Framework_for_EHS_FinalVersion.pdf

Thank you for your attention.