

## Objectives of the Liaison

Our objectives are to establish and strengthen strategic and operational collaboration in order to create synergies.

The liaison should be based on an open and balanced information exchange with the research community, industry and its associations, regulatory authorities, innovation funding organizations as well as the society about:

- actual and future needs on safety and regulation related information and data
- Safe-by-Design concepts
- organized dossiers shared by stakeholders of pre-regulatory robust nano safety data
- standard operational procedures as well as other knowledge and skills
- in addition, liaisons will provide the liaised partners with proved methods, sound knowledge and training on these topics
- training on Safe Innovation and Safe-by-Design

## The Liaison

The liaison takes place through experts active in this project and actual and future EU projects addressing nanosafety e.g.: legislation and regulation of nanomaterials and products, self-responsibility of industry, precautionary measures such as Safe-by-Design, etc. This will foster complementary activities and prevent unnecessary duplication of efforts on the same topics.

A dedicated support will be provided to H2020 projects for the implementation of the Safe Innovation Approach and Safe-by-Design concept and respective approaches in industrial innovation processes.

## Liaison partners

NanoReg2 is looking for active liaisons with:

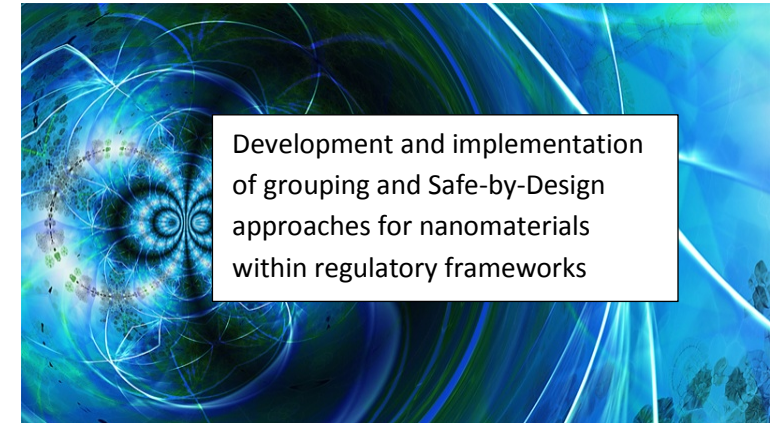
- Regulatory authorities of the Member and Associate States
- NanoSafety Cluster project consortia
- Research groups active in R&D and innovation of nano materials and nano inspired products
- Research groups and organisations working on EHS of nano materials and nano inspired products
- European industry and industry associations
- Organisations from outside Europe, research centres, academia, regulatory authorities, industries and its associations, etc.

### Interested to liaise with us?

Contact	<a href="mailto:karl.hoehener@temas.ch">karl.hoehener@temas.ch</a>
The NanoReg2 partners	<a href="http://www.nanoreg2.eu/partners">www.nanoreg2.eu/partners</a>
Further information	<a href="http://www.nanoreg2.eu/liaisons">www.nanoreg2.eu/liaisons</a>

### NanoReg2 Project ID

36 <b>partners</b> , 16 countries	
<b>Budget:</b>	13 M€ – EC contribution 10 M€
<b>Duration:</b>	September 2015 – August 2018
<b>Website:</b>	<a href="http://www.nanoreg2.eu">www.nanoreg2.eu</a>
<b>Project coordinator:</b>	Dr. hab. Emeric Fréjafon, INERIS <a href="mailto:Emeric.FREJAFON@ineris.fr">Emeric.FREJAFON@ineris.fr</a> Tel: +33 3 44 55 63 13
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Development and implementation of grouping and Safe-by-Design approaches for nanomaterials within regulatory frameworks

Safe nanomaterials and nano-inspired products

Invitation to liaise closely with the NanoReg2 Consortium in the field of Safe Innovation

## NanoReg2 at a glance

The NanoReg2 project will demonstrate Safe Innovation as a fundamental approach in R&D and innovation projects with novel manufactured nano materials (MNMs).

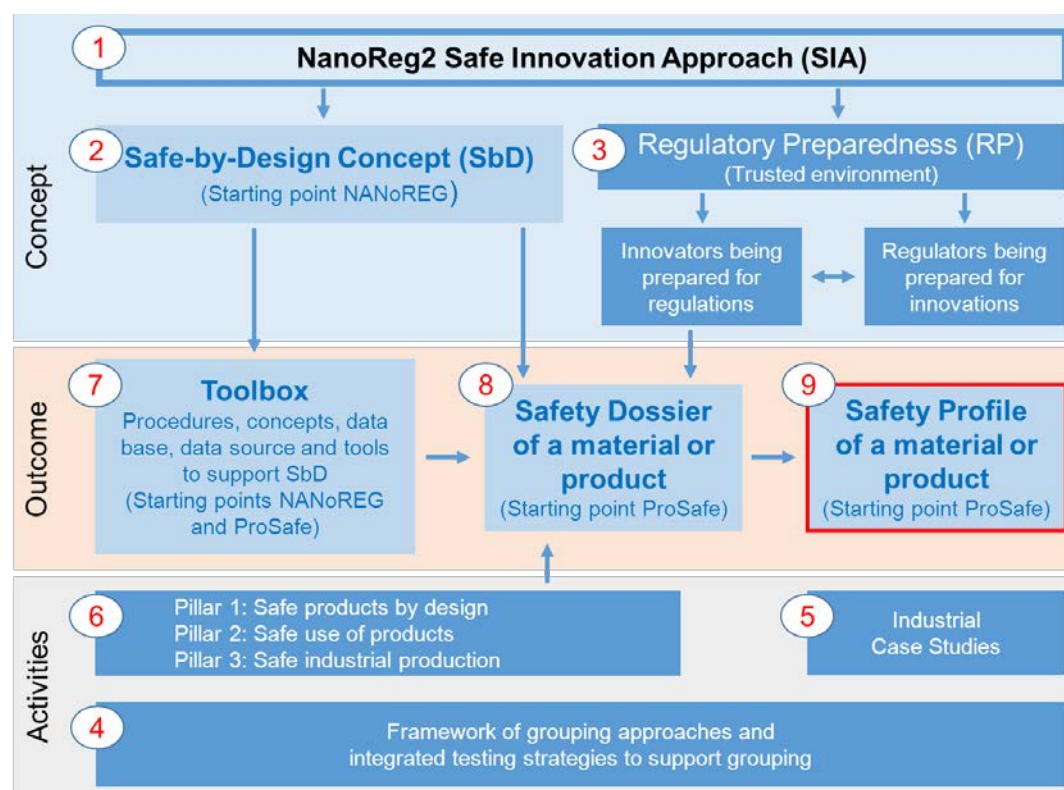
1. Timely clarification for innovators about safety requirements of nanomaterials addressing environmental, health and safety (EHS) before market introduction.
2. Integrate Safe Innovation, and especially Safe-by-Design in industrial R&D- and innovation processes to timely identify uncertainties and respective risks as well as to manage them.
3. Using our approach will allow faster insights into the safety of materials/products under development and thus speed up the process of innovation.
4. Integrate knowledge and expertise of innovators (academia and industry), risk assessors and regulators in order to achieve optimum efficiency, thereby addressing the question whether an innovative material/product is safe or not.

## Expected impacts

- ✓ **For industry:** Safer products, less uncertainties, overall saving of time and money as well as faster time to market
  - thanks to timely identification of uncertainties and risks to manage them, finding alternative solutions as early as possible
- ✓ **For regulators:** Be prepared for up-coming innovations in MNMs and respective products
  - thanks to insight into the innovation processes of MNMs and their products, dossier compatible data along the development process, regulation oriented tools and SOPs, etc.
- ✓ **For R&D community:** Strengthening R&D and innovation process through the Safe-by-design concept
  - Thanks to being well connected to the development and implementation of regulatory driven tools, SOPs, databases, etc.
- ✓ **For the society:** Transparent and traceable information on the safety of MNMs and nano inspired products.
  - Capability to understand and compare products on the market

## The overall approach of NANoReg2's Safe Innovation

Safe Innovation can be seen as the process to ensure that safety aspects of innovations are dealt with early on, i.e. before entering the market. This requires improved interaction between innovators and regulatory authorities throughout the whole innovation process. This will lead to a generally accepted Safe Innovation Approach.



### Explanation of the graph

#### Concept:

**1)** The Safe Innovation Approach of NanoReg2 consists of two key elements: a) The Safe-by-Design concept (SbD) and b) the Regulatory Preparedness (RP) for innovators and regulators. **2)** The SbD concept is the core process to be implemented in existing industrial innovation- and R&D- processes. **3)** The RP ensures that innovators are fully aware and prepared for regulatory requirements (such as REACH, Cosmetics, Food, etc.) defined in the Safety Dossier, and informs regulators about ongoing or upcoming innovations. Both processes build the basis for a trusted environment between the two stakeholders.

#### Activities:

**4)** The Framework of grouping approaches and integrated testing strategies to support grouping. **5)** Industrial Case Studies for the application and evaluation of the SbD concept and the SbD toolbox. **6)** The 3 pillars of NanoReg2 for a) safe products, b) safe use of products and c) safe industrial production.

#### Outcome:

**7)** The toolbox provides an overview of available concepts, procedures (SOPs), tools and data base/ data sources for the information and data defined in the Safety Dossier of a nano material or nano inspired product. **8)** The Safety Dossier defines all data and information needed to elaborate the Safety Profile of a specific nano material or nano inspired product. **9)** The Safety Profile is the structured collection of the information elaborated during the execution of a project. In the Safety Profile, the safety relevant information of a specific nano material or nano inspired product for different stakeholders will be summarized.