



# Towards a European Centre for Risk Management and Safe Innovation in Nanotechnologies

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**INERIS, assessing & increasing safety** for a sustainable development of the **nanotechnologies**

**INERIS**  
maîtriser le risque |  
pour un développement durable |



## Context and Objectives

Safe innovation, sustainable production and use of nanotechnologies need to:

- **Understand** risks (diagnostic, assessment) and benefit of nanotechnology
  - Identify and **implement risk reduction** strategies (manage)
  - Communicate on **residual risks** (acceptance)
- The knowledge production to inform risk-based decisions is very intense (hazard characterization, risk diagnostic, assessment) but at the same time the mechanisms to efficiently use this knowledge for risk management (reduction strategies) have still difficulties to become effective.

We need to:

- **Bridge the gap between research and application (public, private)**
- **Bridge the gap between knowledge on risks and risk management**
- **Promote Stair approach, Balance Science and Appliance**



## Project under construction/ development

A group of expert institutes has decided to create a **European Center for Risk Management and Safe Innovation in Nanotechnologies** to promote a harmonized vision of risk operational assessment and management.

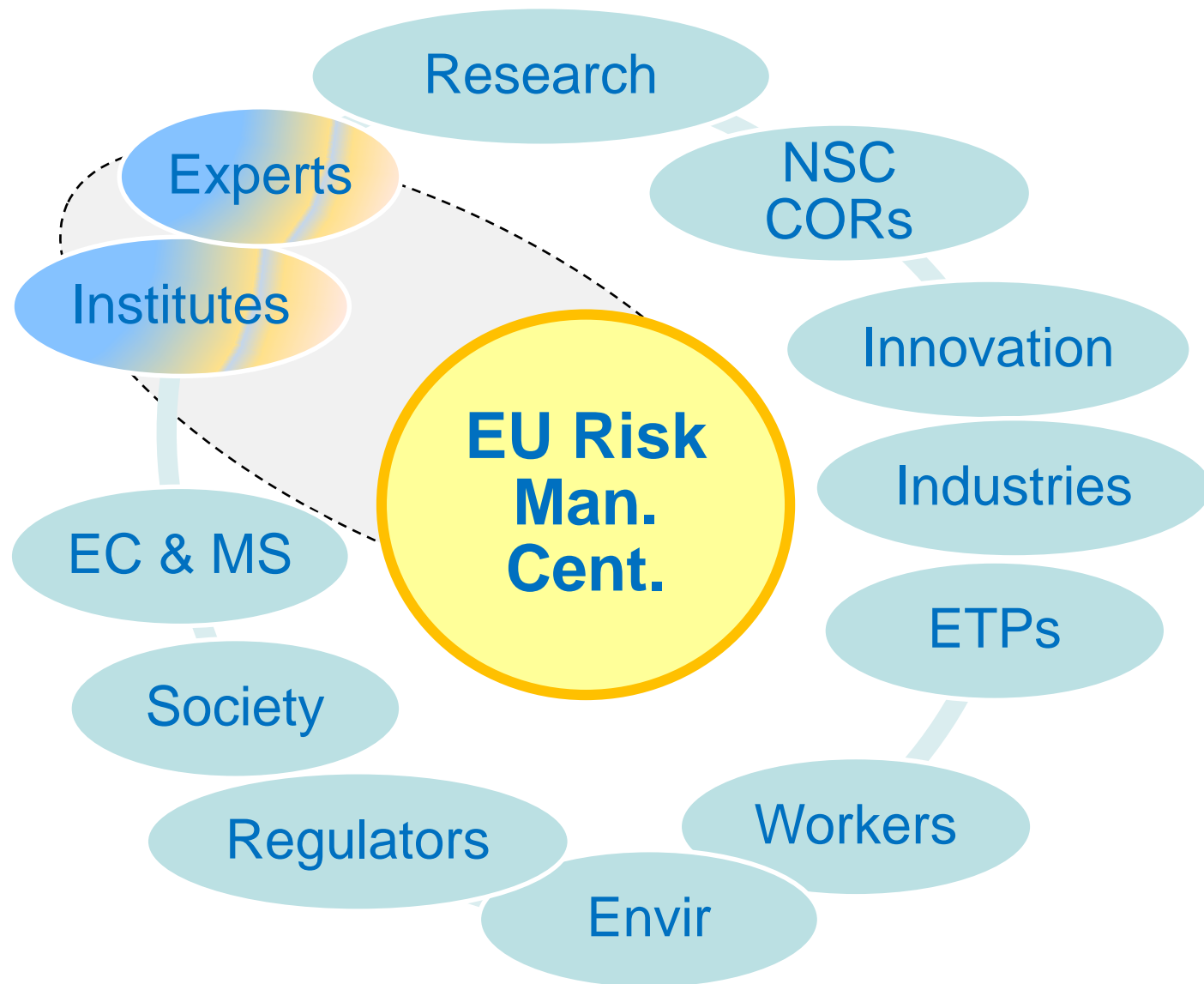
- Based on **distributed and shared knowledge** & tools between institutes that have developed an adequate public & private roles in their country
- Streaming knowledge to an **acceptable level** (regulatory demands, industry constraints, public concerns)
- Be able to **deliver public & private expertise** based on the highest level of collective knowledge and operational tools & methods and be able to give access to best practices and BAT platforms.
- Make available a **set of services that** support the effective research programming in the field of nanosafety and transfer of available knowledge to the stakeholders in the adequate format

- **Gather the available expertise** in the Member States, their respective infrastructures, SOPs and good practice → stream knowledge
- **Combine multidisciplinary expertise** for the integrated (global) risk management → reduce uncertainties in the decision
- **Make available reference information**, data, guides on nano for risk management (toolkit) and training programs → disseminate knowledge
- **Transfer research results into operational tools and services**, develop joint protocols and SOPs, promote to stds/certificate
- **Make available access to infrastructure for other organizations:** temporary (understand, be trained) or permanent (sharing resources).
- **Develop EU-wide education and training** programs adapted to the diversity of the stakeholders.
- **Monitor new and emerging risks** related to nanotechnologies (Radar)
- **Provide feedback on research** needs (upgrade knowledge)

Streaming  
knowledge,  
expertise &  
tools

For risk  
diagnostic &  
management

Promoting  
safe  
innovation



## Timeframe and Contact

- **June 2015 → See you in EuroNanoForum for the** presentation of the project (objective, actions, organization)
- **October 2015 → finalization** of the project (use opportunity of the CSA)
- **2017 – Euro. Center will be created**, a 1 year demonstration will start
- **2018 and after : Operational functioning** under a business model

**Any Interest in joining the project ?**

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