

***A Joint  
Workshop* 2012**



**eu-us**  
*bridging nanoEHS research efforts*

25-26 OCTOBER 2012, HELSINKI, FINLAND

# Risk Assessment

## Workshop Report

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- **Scope**

Sharing of knowledge and expertise to **harmonize** and **synthesize research** on methods and practices for **analyzing risks** for human health and the environment associated with **exposure** of ENM and nano-enabled products along the value chain.



## Objectives

1. **Coordinate** with the other CoR's
  - Ontologies and Databases CoR: on **terminology & resources** that
    - enable **inputs** from the Ecotoxicology CoR & Predictive Modelling CoR & the Exposure CoR
    - to be meaningfully **analyzed**
    - that finally **supports** the Risk Management & Control CoR
2. **Inventory** methods and tools available for **assessing** and **comparing risks**
3. **Match** tools with end-user **mission** and **decision needs**
  - use of appropriate risk definitions
  - value chain
  - risk assessment (and management) tools of appropriate computational complexity

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4. **Identify gaps** among tools, data, stakeholder missions, and management need and communicate to the other CoR's what is needed
5. **Compare risks** associated with engineered nanoparticles with those presented by incidental and naturally occurring nanomaterials and evaluate associated uncertainty,
7. **Recommend** methods for calculating risks that allow for the ability to **assess associated uncertainty** as well as adapt and update risk estimates as new information becomes available or as stakeholder mission and decision needs change, and
9. **Identify** steps forward required for comparable risk calculations within a defined context or mission.



## Actions so far:

- Extension of #participants (especially US- side)
- 2 Teleconferences (September/ October 2012)
- Launching of taskgroup on Definitions

## Achievements

- Final draft Scope & Objectives
- EU-US collaborations (Examples which could be fit into/ linked to CoR)
  - Roadmap Human Health Effect Studies (JOEM paper)
  - Nano Risk Banding tools workshop (Amsterdam 01/10/2013)



## Work plan

- **Initiate focus groups** to address
  - either cross-cutting issues,
  - specific objectives,
  - or themes, e.g. human health risk or human health benefit assessment, environmental risk assessment, or epidemiology.
- The output of the focus groups and their associated time lines might be different,
  - e.g. reviewing/ harmonization of methods and tools,
  - white papers, position papers,
  - or recommendations for research, etc.
  - Organization of satellite meeting

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- Main issues discussed:
  - 1) "Benefit analysis"- conclusion: skip benefit from the title of the CoR
  - 1) Include subgroups
    - "Benefit analysis"
    - "Product Cycle/ Fate Analysis/ Value Chain"
    - "Exposure Pathways/ Scenarios"
    - "Data needs"
    - "Data harmonization"
    - "Inventory tools"
    - "Human RA"/ "Environ. RA"
  - 3) much effort focused on "Hazard Assessment, - much less on "exposure"
    - mainly work focuses on pristine NM/ simple NM

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## Next steps/ timeline:

- Get new participants involved: go to website (<http://us-eu.org/>) **NOW**  
in case of problems: communicate to Stacey ([sstandridge@nnco.nano.gov](mailto:sstandridge@nnco.nano.gov))
- Questionnaire (e.g. Doodle like) to define subgroups & assign members to subgroups **NEXT FEW WEEKS**
- Start the subgroups **Jan 2013**
- Link to other activities (e.g. OECD SG6) **VIA NEXT YEAR**
- Identify events (conferences, workshops):
  - link to this e.g. via satellite workshops
  - e.g. doodle in advance to check who will attend
- Identify project from EU & US side that can feed in content into our CoR