

## **NanoReTox: The Reactivity and Toxicity of Engineered Nanoparticles: Risks to the Environment and Human Health**

Contract Agreement: NMP4-SL-2008-214478

Website: <http://www.nanorettox.eu>

NanoReTox aims to investigate the potential risks of engineered nanomaterials to the environment and human health by comprehensively addressing five key questions:

- [1] How does the environment affect the physicochemical properties and the bioreactivity of nanoparticles?
- [2] How does this impact on their ability to interact with and/or penetrate organisms and cells and will bioavailability result in toxicity?
- [3] Is there a pattern of cellular reactivity and/or toxicity related to physicochemical properties?
- [4] What combination of conditions are most likely to pose a risk to human health and the environment?
- [5] How can this information be incorporated in a risk assessment model?

A team of experts from across the EU and the US are working together to address these questions in depth.