

Programme



Federal Ministry for the
Environment, Nature Conservation,
Building and Nuclear Safety

Scientific Stakeholder Meeting on Nanomaterials in the Environment

10th -11th of October, 2017

German Environment Agency, Dessau-Roßlau

Day 1

09:00-09:30	Registration at UBA
09:30-09:45	Welcome Remarks by the German Environment Agency (<i>Jutta Klasen, Division on Chemical Safety, UBA</i>)
09:45-10:00	Welcome Remarks by the Federal Ministry of the Environment, Nature Conservation, Building and Nuclear Safety (<i>Anke Jesse, IG II 6, BMUB</i>)
10:00-10:10	Overview on current funding activities of the BMBF in the area of nanosafety (<i>Rosita Cottone, BMBF represented by Eva Gerhard-Abozari, PT Jülich</i>)
10:10-10:15	Housekeeping Information (<i>UBA</i>)
Session 1	Regulatory Key Note Talks
10:15-10:35	Regulatory activities in the area of environmental risk assessment of nanomaterials (<i>Anu Kapanen, ECHA</i>)
Session 2	Scientific Key Note Talks
10:55-11:25	Importance of physical-chemical properties of ENM (intrinsic/extrinsic) for environmental hazard and risk assessment (<i>Iseult Lynch, University of Birmingham, UK</i>)
11:25-11:55	Environmental release modelling in contexts of high uncertainty for engineered nano-CeO ₂ , -SiO ₂ and -Ag in Germany (<i>Fadri Gottschalk, ETSS, CH</i>)
12:00-13:30	Lunch and Poster Session
Session 3	Effects and Accumulation
13:30-13:50	Adaptation of OECD test guidelines on ecotoxicity tests – experience gained from the EU project MARINA and further considerations (<i>Kerstin Hund-Rinke, Fraunhofer IME, GER</i>)
13:50-14:10	What is the meaning of pristine nanoparticles, their lifecycle and fate? An overview and forward look (<i>Marianne Matzke, NERC, UK represented by Iseult Lynch, University of Birmingham, UK</i>)
14:10-14:30	Ecotoxicity and Fate of nanomaterials in laboratory and outdoor lysimeter experiments – experiences from the BMBF project DENANA (<i>Karsten Schlich, Fraunhofer IME, GER</i>)

Day 1 (continued)

14:30-14:50	Investigating effects of silver nanoparticles on the soil community – An outdoor TME study (<i>Monika Hammers-Wirtz, gaiac, GER</i>)
14:50-15:10	NanoUmwelt - Risk analysis of engineered nanomaterials in the environment: identification, quantification and analysis of the human- and ecotoxicological effects (<i>Florian Meier, Postnova Analytics GmbH, GER</i>)
15:10-15:30	Fate and effect of manufactured nanomaterials in the aquatic food chain (<i>Christian Schlechtriem, Fh IME, GER</i>)
15:30-16:00	Coffee and Poster Session
Session 4	Fate and Exposure in different environmental compartments
16:00-16:20	Getting our feet back on the ground: How the environment controls nanoparticle fate (<i>Frank von der Kammer, University of Vienna, AT</i>)
16:20-16:40	The fate of nanoparticles in the subsurface - a risk for drinking water resources? (<i>Sondra Klitzke, UBA, GER</i>)
16:40-17:00	Behavior of engineered nanoparticles in the pathway wastewater - sewage sludge - plant using the examples TiO ₂ , CeO ₂ , MWCNT and quantum dots (<i>Karsten Franke, HZDR - Institute of Resource Ecology, GER</i>)
17:00-17:20	Investigation on possible risks - Are ENMs released during the combustion of nanoparticle-containing waste? (<i>Jürgen Oischinger, Fraunhofer UMSICHT, GER</i>)
17:20-17:40	Mobility of different nanomaterials in unsaturated soils (<i>Carmen Nickel, IUTA, GER</i>)
17:40-18:00	Measurement of manufactured nanomaterials in environmental samples (<i>Andreas Wimmer, Technical University of Munich, GER</i>)
18:00	Get Together and Poster Session

Day 2

Session 5	Applications and Assessment		
09:00-09:20	Nanopesticides: state of knowledge and implications for regulatory exposure assessment (<i>Web Conference: Melanie Kah, University of Vienna, AT and CSIRO, AUS</i>)		
09:20-09:40	Comparing nano-enabled copper formulations govern release, hazards, antifungal effectiveness and sustainability throughout the wood protection lifecycle (<i>Wendel Wohlleben, BASF, GER</i>)		
09:40-10:00	Volumes and life cycle of CeO2, SiO2 and Ag nanomaterials - knowns and unknowns (<i>Bernd Giese, BOKU Vienna, AT</i>)		
10:00-10:20	Prosafe’s review on reliability of methods and data for regulatory assessment of nanomaterial risks – part environment (<i>Klaus Steinhäuser, GER</i>)		
10:20-10:40	Grouping/Read Across approaches to reduce the testing of nanomaterials regarding their environmental hazard (<i>Dana Kühnel, UFZ, GER</i>)		
Session 6	Knowledge Café		
10:40-10:50	Introduction to Knowledge Café		
10:50-12:00	Knowledge Café (including coffee supply): In depth discussion on selected topics		
	Table 1: Importance of & Methods for determining Intrinsic and Extrinsic Properties (<i>chaired by Iseult Lynch, University of Birmingham, UK</i>)	Table 2: Needs for Test Guideline Development (<i>chaired by Jukka Ahtiainen, FIN</i>)	Table 3: Exposure Assessment of Nanomaterials (<i>chaired by Wiebke Galert, UBA, DE</i>)
	Table 4: Short, Mid and Long Term Goals for Risk Assessment Tools (<i>chaired by Anu Kapanen, ECHA</i>)		Table 5: Research on Nanosafety (<i>chaired by Thomas Kuhlbusch, BAuA, DE</i>)
12:00-13:00	Lunch and Poster Session		
Session 7	Lessons Learned		
13:00-14:00	Summary of results of the Knowledge Café		
14:00-14:30	Lessons Learned with statements by different stakeholders and discussion with the plenary		
14:30-14:45	Conclusion and Closure of the Meeting		