

# Fate and Ecotoxicity of Nanoparticles in the Environment

CURRENT STATUS AND THE WAY FORWARD

PROGRAMME

Wednesday 2 October 2013

12:00 Lunch

13:00	Welcome	Bart Bosveld, SETAC
13:05	Introduction: aims and outline	Janeck J. Scott-Fordsmand, Aarhus University, DK

## Measurement, Fate and Effect Methods

13:10	Methods for modeling flows, concentrations and risks of ENM in soils and sediments	Bernd Nowack, Swiss Federal Laboratories for Materials Science and Technology, CH
13:40	The way forward in modeling fate and transport of ENM in natural soils	Geert Cornelis, University of Gothenburg, SE
14:10	Detect Nano: how to analyse engineered nanoparticles in a real environment	Frank von der Kammer, University of Vienna, AT

14:40 Break

15:00	Effect assessment in plants, the way forward	Willie Peijnenburg, RIVM, NL
15:30	Challenges for effect assessment in animals: integration of (novel) tools	Mónica Amorim, University of Aveiro, PT
16:00	Challenges for effect assessment in sediments organisms	Teresa Fernandes, Heriot-Watt University, UK

## Breakout Sessions

16:30	Introduction to breakout groups	
16:40	<ul style="list-style-type: none"> <li>On measurement methods: Aim – discussing current and possible new measurement methods</li> <li>On fate assessment methods: Aim – discussing current and possible new fate assessment methods</li> <li>On effects methods: Aim – discussing current and possible new effect assessment methods</li> </ul>	<ul style="list-style-type: none"> <li>Geert Cornelis, University of Gothenburg, SE</li> <li>Willie Peijnenburg, RIVM, NL</li> <li>Mónica Amorim, University of Aveiro, PT</li> </ul>
17:40	Wrap-up of breakout groups	

18:00 Poster Session

19:00 Symposium Dinner

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09:00	Summary of first day and introduction to second day	Janeck J. Scott-Fordsmand, Aarhus University, DK
<b>Industry Requirements/Progress</b>		
09:30	Grouping and ranking of nanomaterials	Robert Landsiedel, BASF, DE
09:50	Safety Issues and Regulatory Challenges of Nanomaterials: industry needs	David Carlander, Nanotechnology Industries Association, BE
10:10	Experiences and challenges in risk assessment of metal nano particles	Koen Oorts, ARCHE consulting, BE
10:30	Coffee	
<b>Administrative Requirements/Risk Assessment Issues/Progress</b>		
10:45	European approach to the regulatory testing of nanomaterials (NANOREG)	
11:30	Applicability of OECD test guidelines and guidance for testing fate and effects in soils and sediments	Jukka Ahtiainen, Tukes, FI
12:00	Lunch	
<b>Finalizing Breakout Sessions</b>		
13:00	<ul style="list-style-type: none"><li>• On measurement methods</li><li>• On fate assessment methods</li><li>• On effects methods</li></ul>	<ul style="list-style-type: none"><li>• Geert Cornelis, University of Gothenburg, SE</li><li>• Willie Peijnenburg, RIVM, NL</li><li>• Mónica Amorim, University of Aveiro, PT</li></ul>
13:30	Risk assessment: the way forward	Janeck J. Scott-Fordsmand, Aarhus University, DK
14:00	Merging of list from breakout groups 1-3	Janeck J. Scott-Fordsmand, Aarhus University, DK
15:00	Coffee End of symposium	