

**Topic 1**

**Challenges in regulatory risk assessment of nanomaterials**

Number	Organisation/ Country	Poster Submitter		Poster title/ Authors
		Name	Surname	
1.	National Institute of Health Italy	Dr Maria	ALESSANDRELLI	<b>Physicochemical characterization and potential cyto/genotoxicity of TiO<sub>2</sub> particles</b>  <b>Authors:</b> Maria ALESSANDRELLI, Cristina ANDREOLI, Flavia BARONE, Isabella DE ANGELIS, Barbara DE BERARDIS, Paola DI PROSPERO FANGHELLA, Pietro PISTOLESE, Maria LETIZIA POLCI, Maria Teresa RUSSO, Andrea ZIJNO
2.	INKOA SISTEMAS SL Spain	Ms María	BLÁZQUEZ	<b>Emission scenarios for engineered nanomaterials as plastic additives. A case study of the sirena-life project</b>  <b>Authors:</b> María BLÁZQUEZ (INKOA SISTEMAS), Idoia UNZUETA (INKOA SISTEMAS), Verónica MARCHANTE (CRANFIELD UNIVERSITY) and Laura GENDRE (CRANFIELD UNIVERSITY)
3.	Nanotechnology Industry Association Belgium	Dr David	CARLANDER	<b>REACHnano – A web based REACH Toolkit to support the chemical safety assessment of nanomaterials</b>  <b>Authors:</b> Carlos FITO, Natalia FUENTES, Esteban SANTAMARIA CORIA, David CARLANDER
4.	VSB - Technical University of Ostrava Czech Republic	Dr Pavel	DANIHELKA	<b>Gaps in Nanotechnology Risk Management Process</b>  <b>Authors:</b> P. DANIHELKA, L. SIKOROVÁ, T. BRZICOVÁ, R. PŘICHYŠTALOVÁ

## Poster Exhibition: List of participants by topics

Topical Scientific Workshop on Regulatory Challenges in Risk Assessment of Nanomaterials,  
23-24 October 2014

<b>5.</b>	<b>Wageningen University</b> The Netherlands	Dr Steffen	<b>FOSS HANSEN</b>	<b>NanoRiskCat and the Nanodatabase</b>  <b>Authors:</b> Steffen FOSS HANSEN and Anders BAUN
<b>6.</b>	<b>Darmstadt University, Society for Institutional Analysis - Sofia</b> Germany	Mr Martin	<b>FÜHR</b>	<b>Responsive Regulation of Innovations towards Sustainable Development - Nanomaterial case study</b>  <b>Authors:</b> Martin FÜHR, Julian SCHENTEN, Kilian BIZER and Yvonne EGGERT
<b>7.</b>	<b>RTI International</b> United States of America	Dr Khara	<b>GRIEGER</b>	<b>Improving Regulatory Risk Assessment of Nanomaterials through International Standardization Activities</b>  <b>Authors:</b> Khara D. GRIEGER and Heather BENKO
<b>8.</b>	<b>RIVM</b> The Netherlands	Dr Monique	<b>GROENEWOLD</b>	<b>Risks of Nanotechnology - Dutch Knowledge and Information Centre (KIR nano)</b>  <b>Authors:</b> Monique GROENEWOLD and Sven EVERTZ
<b>9.</b>	<b>National Research Centre for the Working Environment</b> Denmark	Dr Keld Alstrup	<b>JENSEN</b>	<b>NanoSafer version 1.1: A web-based precautionary risk management tool for manufactured nanomaterials using first order modelling</b>  <b>Author:</b> Keld Alstrup JENSEN, Anne THOUSTRUP SABER, Henrik Vejen KRISTENSEN, Ismo KOPONEN and Håkan WALLIN
<b>10.</b>	<b>European Chemicals Agency</b> Finland	Ms Anu Mr Olli	<b>KAPANEN</b> <b>RAHKONEN</b>	<b>ECHA's activities on nanomaterials</b>  <b>Authors:</b> Anu KAPANEN and Olli RAHKONEN

<b>11.</b>	<b>University College</b> Ireland	Dr Niall	<b>O'BRIEN</b>	<b>Integrating engineered nanomaterial kinetics with regulatory environmental exposure modelling</b>  <b>Authors:</b> Niall O'BRIEN and Enda CUMMINS
<b>12.</b>	<b>BAuA - Federal Institute for Occupational Safety and Health</b> Germany	Dr Rolf	<b>PACKROFF</b>	<b>A strategic approach on testing und information requirements for nanomaterials and other particulate matter</b>  <b>Authors:</b> Dr. Rolf PACKROFF and Prof. Dr. Thomas GEBEL
<b>13.</b>	<b>Centre for BioNano Interactions, University College Dublin</b> Ireland	Dr Louise	<b>ROCKS</b>	<b>Nanoparticle-Biological Interactions: Uptake, recycling, cell division and degradation</b>  <b>Authors:</b> Louise ROCKS and Kenneth A. DAWSON
<b>14.</b>	<b>Federal Environment Agency</b> Germany	Dr Kathrin	<b>SCHWIRN</b>	<b>Assessing ecological data on nanomaterials: current challenges and recommendations for an appropriate regulatory risk assessment</b>  <b>Authors:</b> Kathrin SCHWIRN and Doris VOELKER
<b>15.</b>	<b>Aarhus University</b> Denmark	Dr Janeck	<b>SCOTT-FORDSMAND</b>	<b>Managing risks of nanomaterials</b>  <b>Authors:</b> Janeck J. SCOTT-FORDSMAND and Chantal TARDIFF (CEA, France)

**Topic 2**

**Measurement and characterization of nanomaterials**

Number	Organisation/ Country	Poster Submitter		Poster title/ Authors
		Name	Surname	
<b>16.</b>	<b>BAuA - Federal Institute for Occupational Safety and Health</b> Germany	Dr Volker	<b>BACHMANN</b>	<p><b>Nanofibre Rigidity as Metric for Hazard Assessment</b></p> <p><b>Authors:</b> Volker BACHMANN (1), Asmus MEYER-PLATH (1), Jan TROELTSCH (1), Heinz STURM (2), Sabine PLITZKO (1)</p> <p>1: BAuA – Federal Institute for Occupational Safety and Health, Germany 2: BAM - Federal Institute for Materials Research and Testing, Germany</p>
<b>17.</b>	<b>CRP-Gabriel Lippmann</b> Luxembourg	Dr Arno	<b>GUTLEB</b>	<p><b>In vitro models as physiologically relevant tools to investigate pulmonary and intestinal toxicity</b></p> <p><b>Authors:</b> S. CAMBIER (1), S.G. KLEIN (1,2), A. GEORGANTZOPOULOU (1), T. SERCHI (1), C.C. LECLERCQ (1), J. RENAUT (1), M. KRUSZEWSKI (3), A. LANKOFF (3), E. LENTZEN (1), P. GRYSAN (1), J.N. AUDINOT (1), C. GUIGNARD (1), A. KREIN (1), J. JUNK (1), S. LEGAY (1), L. HOFFMANN (1), B. BLÔMEKE (2) and A.C. GUTLEB (1)</p> <p>1: Department Environment and Agro-biotechnologies (EVA), Centre de Recherche Public - Gabriel Lippmann, Grand-duchy of Luxembourg 2: Department of Environmental Toxicology, University of Trier, Germany 3: Institute of Nuclear Chemistry and Technology, Warsaw, Poland</p>
<b>18.</b>	<b>Institute of Occupational Medicine</b> United Kingdom	Dr Steve	<b>HANKIN</b>	<p><b>Aerodynamic diameter of nanoplatelet materials: implications for workplace exposure</b></p> <p><b>Authors:</b> Sofia BILLETT, Gordon FERN, Laura WEST, Gillian CARSE and Steve HANKIN</p>

<b>19.</b>	<b>National Research Centre for the Working Environment</b> Denmark	Dr Keld Alstrup	<b>JENSEN</b>	<b>Reactivity and biodurability of nanomaterials - New end-points for grouping and risk assessment?</b>  <b>Authors:</b> Keld Alstrup JENSEN, Yahia KEMBOUCHE, Signe H NIELSEN and Kirsten Inga KLING
<b>20.</b>	<b>PETA International Science Consortium</b> United Kingdom	Dr Monita	<b>SHARMA</b>	<b>A tiered-testing strategy for nanomaterial hazard assessment</b>  <b>Authors:</b> Monita SHARMA, Gilly STODDART and Amy J. CLIPPINGER
<b>21.</b>	<b>PerkinElmer</b> Canada	Dr Chady	<b>STEPHAN</b>	<b>Single Particle-ICP-MS for Nanoparticle Detection and Size Distribution Determinations</b>  <b>Authors:</b> Ph.D Stephan CHADY
<b>22.</b>	<b>NERC-CEH</b> United Kingdom	Dr Claus	<b>SVENDSEN</b>	<b>Toxicity of silver nanoparticles to 8 different bacteria</b>  <b>Authors:</b> Marianne MATZKE, Daniel S. READ, Kerstin JURKSCHAT, Cameron TAYLOR and Claus SVENDSEN
<b>23.</b>	<b>CSIC</b> Spain	Ms Mar	<b>VIANA</b>	<b>Exposure to Nanoparticle Formation and Emission Mechanisms during Clay Milling in an Industrial Setting</b>  <b>Authors:</b> A. S. FONSECA, M. VIANA, X. QUEROL, N. PÉREZ, A. ALASTUEY, A. LÓPEZ and E. MONFORT
<b>24.</b>	<b>Universitat de Barcelona</b> Spain	Ms María Pilar	<b>VINARDELL</b>	<b>Methods for checking and characterizing aluminum oxide nanoparticles to correlate with hemolytic effects</b>  <b>Authors:</b> María Pilar VINARDELL, A. SORDÉ, M. MITJANS, J. MENDOZA, J. DÍAZ-MARCOS

**Topic 3**

**Metrology and dose metrics for hazard and exposure assessment throughout the life cycle**

Number	Organisation/ Country	Poster Submitter		Poster title/ Authors
		Name	Surname	
<b>25.</b>	<b>European Chemicals Agency</b> Finland	Ms Camelia Ms Zuzana	<b>CONSTANTIN</b> <b>KLÖSLÖVA</b>	<b>When "dose by mass" is not enough...</b> <b>Authors:</b> Camelia CONSTANTIN and Zuzana KLÖSLÖVA

Topic 4

### Environmental fate, persistence and bioaccumulation throughout the life cycle

Number	Organisation/ Country	Poster Submitter		Poster title/ Authors
		Name	Surname	
26.	Environ Germany GmbH Germany	Dr Mathias	KÖNCZÖL	<p><b>NanoRem - Taking Nanotechnological Remediation Processes from Lab Scale to End User Applications for the Restoration of a Clean Environment</b></p> <p><b>Authors:</b> Catherine LEAF and Mathias KÖNCZÖL</p>
27.	ARCHE Belgium	Dr Koen	OORTS	<p><b>Modelling environmental exposure for nanoparticles with EUSES. Does it work?</b></p> <p><b>Authors:</b> Koen OORTS and Frederik VERDONCK</p>
28.	Federal Environment Agency Germany	Dr Kathrin	SCHWIRN	<p><b>Towards the development of improved OECD guidelines for the testing of nanomaterials - The OECD Expert Meeting on Ecotoxicology and Environmental Fate</b></p> <p><b>Authors :</b> Dana KÜHNEL, Carmen NICKEL, Kathrin SCHWIRN, Doris VÖLKER</p>

<p><b>29.</b></p>	<p><b>NERC CEH</b> United Kingdom</p>	<p>Dr Claus</p>	<p><b>SVENDSEN</b></p>	<p><b>Nanoparticle Fate Assessment and Toxicity in the Environment; Findings from the NanoFATE project</b></p> <p><b>Authors :</b> Claus SVENDSEN (1) , Maria DIEZ-ORTIZ (1), Alison CROSSLEY (2), Geert CORNELIS (3), Martin HASSELLÖV (3) , Susana LOUREIRO (4), Stephen LOFTS (1), Kees van GESTEL (5), Francesco DONDERO (6), Andrew JOHNSON (1), Richard WILLIAMS (1), Lee WALKER (1) and David SPURGEON (1)</p> <p>1.NERC-Centre for Ecology and Hydrology, Wallingford, Oxfordshire, OX10 8BB, UK 2.Department of Materials, Oxford University Begbroke Science Park, OX5 1PF, UK 3.Dept. of Chemistry and Molecular Biol., Göteborg University, SE-412 96 Göteborg, Sweden 4.Department of Biology, CESAM, Universidade De Aveiro, 3810-193 Aveiro, Portugal 5. Dept. of Animal Ecol., Inst. of Ecological Science, VU Universiteit, 1081 HV, Amsterdam, NL 6.Deptartment of Science and Technological Innovation,University of Piemonte Orientale, 15100 Alessandria, Italy</p>
<p><b>30.</b></p>	<p><b>NERC CEH</b> United Kingdom</p>	<p>Dr Claus</p>	<p><b>SVENDSEN</b></p>	<p><b>Uptake routes of silver nanoparticles in earthworms</b></p> <p><b>Authors:</b> Maria DÍEZ-ORTÍZ, Claus SVENDSEN, Dave SPURGEON, Cornelis A.M. van GESTEL</p>
<p><b>31.</b></p>	<p><b>European Chemicals Agency</b> Finland</p>	<p>Ms Laurence Ms Anu</p>	<p><b>DEYDIER</b> <b>KAPANEN</b></p>	<p><b>Challenges in the environmental fate assessment of nanomaterials in regulatory context</b></p> <p><b>Authors:</b> Laurence DEYDIER and Anu KAPANEN</p>



### Topic 5

### Read across and categories of nanomaterials

Number	Organisation/ Country	Poster Submitter		Poster title/ Authors
		Name	Surname	
32.	ETAD Switzerland	Dr Pierfrancesco	FOIS	<b>Size doesn't matter, safety does: Organic pigments as traditional, well-known nanomaterials</b>  <b>Authors:</b> Pierfrancesco FOIS
33.	National Research Centre for the Working Environment Denmark	Dr Keld Alstrup	JENSEN	<b>Classification and reporting of nanostructured silica materials</b>  <b>Authors:</b> Rambabu ATLURI and Keld Alstrup JENSEN
34.	Joint Research Centre Italy	Ms Lara	LAMON	<b>Nanocomput: computational methods for the toxicological assessment of manufactured nanomaterials</b>
35.	Institute of Occupational Medicine United Kingdom	Dr Craig	POLAND	<b>Use of physicochemical characterisation information for the rapid and cost-effective identification of potential hazards during nanomaterial and nano-product development</b>  <b>Authors:</b> Craig A. POLAND, Julia VARET , Ovidio BUSSOLATI, Gordon FERN, Lucia MIGLIORE, Sebastiano DI BUCCHIANICO, Lang TRAN, Steve HANKIN and Enrico BERGAMASCHI

<p><b>36.</b></p>	<p><b>National Institute of Chemical Physics and Biophysics</b> Estonia</p>	<p>Dr Mariliis</p>	<p><b>SIHTMÄE</b></p>	<p><b>Toxic effects of 11 metal oxide nanoparticles to bacteria and protozoa</b> <b>Authors:</b> M. SIHTMÄE , S. POKHREL , M. MORTIMER , V. ARUOJA and A. KAHRU</p>
<p><b>37.</b></p>	<p><b>National Institute of Health (INSA)</b> Portugal</p>	<p>Dr Maria João</p>	<p><b>SILVA</b></p>	<p><b>Is there a link between the physicochemical characteristics of multiwalled carbon nanotubes and their genotoxicity in human cells?</b></p> <p><b>Authors:</b> Henriqueta LOURO (1,2), Mariana PINHÃO (1), Ana TAVARES(1), Nádia VITAL (2,3), Teresa BORGES (2,4), Helena GOUVEIA (2,3), Maria João SILVA (1,2) and Rita ALBERTO (2,3)</p> <p>1: National Institute of Health Dr. Ricardo Jorge I.P (INSA), Portugal 2: PToNANO, Portugal 3: Institute of Welding and Quality (ISQ), Portugal 4: General-Directorate of Health (DGS), Portugal</p>
<p><b>38.</b></p>	<p><b>European Chemicals Agency</b> Finland</p>			<p><b>Read-across and categories of nanomaterials to bridge data gaps – Key questions</b></p>