





# 1st Sustainable Nanotechnology School

Understanding the environmental, health and safety implications of manufactured nanomaterials to foster their sustainable applications:

A COST MODENA, SUN and GUIDEnano training school

	11th January	12th January	13th January	14th January	15th January	16th January
TIME	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
8:30-9:00	Arrival  Check in  Registration	Arrival, Check in, Registration	Arrival, Check in, Registration	Arrival, Check in, Registration		Arrival, Check in, Registration
09:00-09:30		<b>Safe Nanomaterials by Design: is it a realistic challenge?</b> Anna Luisa Costa (ISTEC, Italy)	<b>Occupational and Consumer Exposure Assessment</b> Keld Alstrup Jensen (NRCWE, Denmark) Martie Van Tongeren (Institute of Occupational Medicine, UK)	<b>PBPK Modelling Use for Risk Assessment of Nanomaterials</b> Lang Tran (Institute of Occupational Medicine, Scotland)	Arrival, Check in, Registration <b>EU Regulatory Perspectives on Nanomaterials</b> Juan M. Riego Sintes (EC Joint Research Centre, Italy)	<b>A crash course in do-it-yourself ethics of Nanotechnology</b> Ineke Malsch (Malsch TechnoValuation)
9:30-10:00						
10:00-10:30		<b>Coffee Break</b>				<b>Nanotechnologies EHS Research in the European Union</b> Georgios Katalagarianakis (European Commission, Belgium)
10:30-11:00						
11:00-11:30		<b>Safe Production, Handling and Disposal</b> Terence A. Wilkins (University of Leeds, UK)	<b>Coffee Break</b>	<b>Integration of Structural, Physicochemical and Biological Data for In-silico Nanotoxicology</b> Roberto Rallo (University Rovira i Virgili, Spain)	<b>Coffee Break</b>	<b>Industrial Perspectives on Nanotechnology</b> David Carlander (Nanotechnology Industries Association, Portugal)
11:30-12:00						
12:00-12:30		<b>Lunch</b>	<b>Environmental Exposure Modelling &amp; Monitoring</b> Geert Cornelis (University of Gothenburg, Sweden) Fadri Gottschalk (EHSS, Switzerland)	<b>Lunch</b>		<b>Summary and closing remarks</b>
12:30-13:00						
13:00-13:30		<b>Life Cycle Assessment of Nanomaterials and Nanoproducts in the Context of Life Cycle Thinking</b> Michael Steinfeldt (University of Bremen, Germany)	<b>Lunch</b>	<b>OSAR Modelling of Nanomaterials</b> Ceyda Oksel	<b>Lunch</b>	<b>Farewell cocktail</b>
13:30-14:00						
14:00-14:30		<b>Life Cycle Considerations for Assessing the Risks of Nanomaterials</b> Bernd Nowack, (EMPA, Switzerland)	<b>Toxicology, Ecotoxicology and Effects on Ecosystem Services</b> Vicki Stone (Heriot-Watt University, UK) Teresa Fernandes (Heriot-Watt University, UK)	<b>Decision Support for Sustainable Nanotechnology</b> Igor Linkov (US Army Corps of Engineers, USA)	<b>Decision Support for Sustainable Nanotechnology</b> Igor Linkov (US Army Corps of Engineers, USA)	      
14:30-15:00						
15:00-15:30		<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>		
15:30-16:00						
16:00-16:30		<b>Predictive Toxicology of Nanoparticles Using Decision-Tree Model</b>	<b>Journal club: Decision Support for Sustainable Nanotechnology</b>	<b>Journal club: Decision Support for Sustainable Nanotechnology</b>		
16:30-17:00						
17:00-17:30		<b>Introduction to the School</b> Antonio Marcomini (University Ca' Foscari Venice, Italy)	<b>Risk Assessment of ENMs</b> Antonio Marcomini (University Ca' Foscari Venice)	<b>Journal Club: Toxicology and Ecotoxicology</b>	<b>Journal club: In-silico Modelling for Risk Assessment</b>	
17:30-18:00	<b>Defining and Measuring Sustainable Nanotechnology</b> Igor Linkov (US Army Corps of Engineers, USA)					
18:00-18:30	<b>Welcome cocktail</b>	<b>General Discussion</b>	<b>Journal Club: Human and Environmental Exposure Assessment</b>	<b>Social Dinner</b>		
18:30-19:00						