

Joint Regulatory Risk Assessors Summit
Advancing Safety & Sustainability Assessments of Advanced Materials

19th June 2025

Time	Topic	Chair/Presenter
Session I	Introduction and Setting the Scene	Thomas Kuhlbusch (BAuA)
09:00 – 09:30	Welcome to the OECD	Mar Gonzalez (OECD)
	<i>Welcome by organisers</i> Short introduction to MACRAMÉ, iCare, nanoPASS and ACCORDs	Steffi Friedrichs (AcumenIST)
09:30 – 09:40	<i>Keynote</i> Needs of regulatory and policy frameworks to support safe and sustainable advanced materials	Eric Bleeker (RIVM)
09:40 – 10:30	<i>Panel discussion</i> What are the issues in safety testing of advanced materials?	Chair: Thomas Kuhlbusch (BAuA) Panellists: Eric Bleeker (RIVM) Blanca Suarez-Merino (BIAC) Virginia Rodriguez (ECHA) Mar Gonzalez (OECD) Tommaso Serchi (LIST) Anke Jesse (BMUKN)
10:30 – 11:00	Tea, Coffee & Posters	
Session II	Characterization of Advanced Materials in Test Systems and Complex Matrices	Dan Hodoroaba (BAM)
11:00 – 11:05	Introduction to the challenges by the chair	Dan Hodoroaba (BAM)
11:05 – 11:20	Correlative Microscopy: identifying objects by combining technologies	Maike Stange (BAuA)
11:20 – 11:35	Nanoinformatics methods and <i>in silico</i> characterisation of advanced materials for predictive toxicology	Vladimir Lobaskin (UCD)
11:35 – 11:50	Advanced physico-chemical Characterisation & Correlation of Results with different Methods for GFM	Dan Hodoroaba (BAM)
11:50 – 12:20	Discussion	
12:20 – 12:30	Poster pitches	
12:30 – 13:30	Lunch & Posters	
Session III	Human Health Models to Predict the Safety of Advanced Materials	Blanca Suarez-Merino (TEMASOL)
13:30 – 13:35	Introduction to the challenges by the chair	Blanca Suarez-Merino (TEMASOL)
13:35 – 13:50	Development and Application of <i>In Vitro</i> Models to Assess Neurotoxicity of Advanced Materials, the iCare approach	Ernesto Alfaro-Moreno (INL)
13:50 – 14:05	In vitro testing of advanced materials for effects on the lung	Martin Wiemann (IBE)
14:05 – 14:20	Validating animal-free in-vitro-learned digital twin for quantitative inflammation prediction from acute to chronic condition addressing 4 OECD TGs	Janez Strancar (Infinite)
14:20 – 14:35	Toxicity test validation	Damjana Drobne (UL)
14:35 – 14:50	Discussion	
14:50 – 15:00	Poster pitches	
15:00 – 15:30	Tea, Coffee & Posters	
Session IV	Ecotoxicity, Release, Fate and Environmental Testing of Advanced Materials	Iseult Lynch (UoB)
15:30 – 15:35	Introduction to the challenges by the chair	Iseult Lynch (UoB)
15:35 – 15:50	Expanding the use of standardised <i>in vitro</i> ecotoxicity assays	Alberto Katsumiti (GAIKER)
15:50 – 16:05	<i>C. elegans</i> in Neuro-Nanosafety: A Translational Bridging Model and New Approach Methodology (NAM) Tool	Nivedita Chatterjee (INL)
16:05 – 16:20	Material Flow Analysis: A basic pillar for regulatory risk assessment and beyond	Luis Mauricio Ortiz Galvez (EMPA)
16:20 – 16:50	Discussion	

16:50 – 17:00	Poster pitches	
Session V	Poster Session	
18:00 – 20:00	Cocktails	

20th June 2025

Sessions	Topic	Presenter
Session VI	Challenges and Solutions in Testing Industrial Relevant Samples Along the Material Lifecycle	Iztok Urbančič (IJS)
09:00 – 09:05	Introduction to the challenges by the chair	Iztok Urbančič (IJS)
09:05 – 09:20	Representing material life cycles in regulatory-relevant data	Thomas Exner (7past9)
09:20 – 09:35	Relevance and applicability of alternative (eco)toxicity methods in industrial settings	Elise Morel (TEMASOL)
09:35 – 09:50	In depth analysis of commercial functionalized graphene nanoplatelets towards structure-activity relationships	Jörg Radnik (BAM)
09:50 – 10:05	Sampling and testing industrially relevant materials: Possibilities and Pitfalls	Christina Isaxon (Lund University)
10:05 – 10:20	Progress towards standardisation of toxicity testing for SSBD of GFMs	Mary Gulumian (NWU)
10:20 – 10:50	Discussion	
Session VII	Recommendations on Needs for Test Guideline & Standard Developments	Sean Kelly (NIA)
10:50 – 11:15	Introduction to the informed recommendations on needs for Test Guideline and standard development	Elisabeth Heunisch (BAuA)
11:15 – 11:30	Tea, Coffee & Posters	
11:30 – 13:00	<i>Breakout group discussion</i>	
13:00 – 14:00	Lunch & Posters	
14:00 – 14:45	<i>Panel discussion</i> With one representative from each breakout group Including a discussion with the audience	Chaired by Sean Kelly (NIA)
Session VIII	Way Forward and Closing of the Meeting	Thomas Kuhlbusch (BAuA)
14:45 – 14:55	Setting the scene, Malta Initiative and key messages of summit	Thomas Kuhlbusch (BAuA)
14:55 – 15:05	European Test Method and Validation Strategy	Monique Groenewold (NL)
15:05 – 15:15	New projects and next steps	Thomas Kuhlbusch (BAuA)
15:15 – 15:30	Closing of the meeting by OECD	Mar Gonzalez (OECD)