MACRAME Advanced Characteristics Methodologies to processed predict

Advanced Characterisation Methodologies to assess and predict the Health and Environmental Risks of Advanced Materials

Wrap-Up



nanoPASS



1ST JOINT ONLINE WORKSHOP: HARMONISATION & STANDARDISATION OF TEST METHODS FOR NANO- AND ADVANCED MATERIALS

22ND – 23RD NOVEMBER 2023, ONLINE



The MACRAMÉ project has received funding from the European Union's Horizon Europe Research and Innovation programme under grant agreement No. 101092686.

Day 1 – Harmonisation: (Eco)Tox Testing

Review/development of OECD TGs/GDs ... Validation ... in-vivo / in-vitro / NAMs

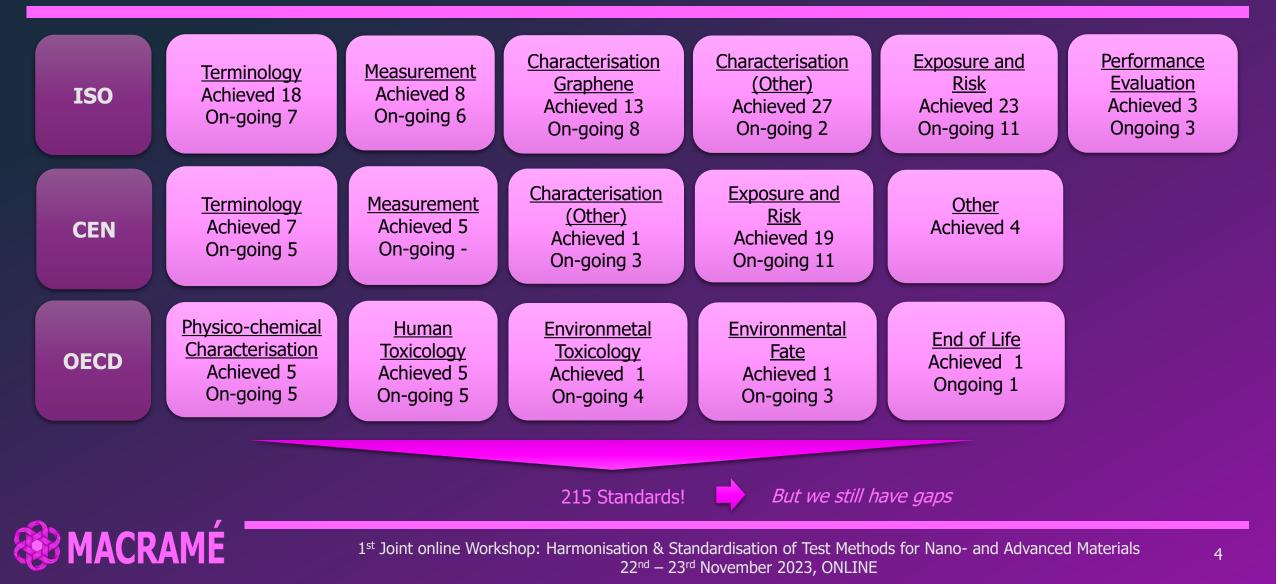
- TG/GD reviews/developments: harmonisation, validation, acceptance, use
 - Malta Initiative, NanoHarmony
 - iCare Project, MACRAMÉ Project, nanoPASS Project
- NAMs 'New Approach Methodologies' / 'Non-Animal Methods'
 - Discussion with policy-making and policy-informing organisations
 - What is to be included? 'we need a whole range of mechanistic methods ...'
 - How are NAMs going to be further developed? 'the right mix of policy incentives' and 'the right mix of contributors'
 - How are NAMs going to be applied? 'it seems that the more NAMs we develop, the fewer NAMs we use ...'

Day 2 – Standardisation

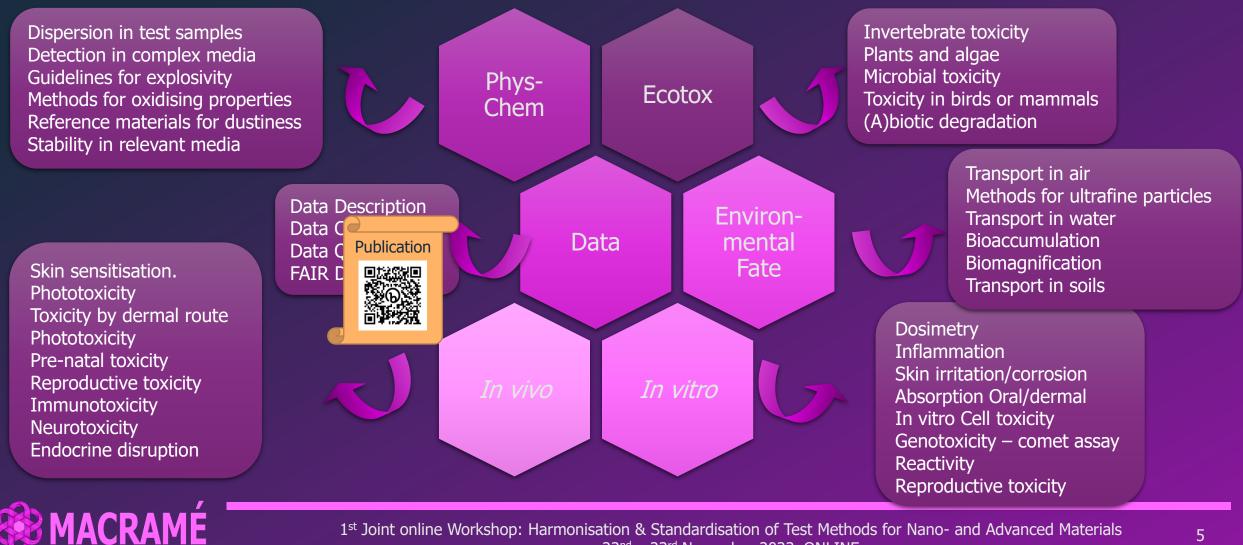
- VAMAS / CEN / ISO Committees & their results on nanotechnologies ... and graphene
- Graphene R&I and its outcomes and impacts in the Graphene Flagship
- Next steps for 'graphene' R&I:
 - Ongoing standardisation needs
 - Prioritisation of most relevant materials / forms of `graphene'
 - Safety-testing for market access
 - Increased collaborations with the nanomaterials (safety) community (cf. ACCORDs Project)



Harmonisation & Standardisation of Nanomaterials ... and beyond



(Nano)Materials Standardisation Gaps



1st Joint online Workshop: Harmonisation & Standardisation of Test Methods for Nano- and Advanced Materials 22nd – 23rd November 2023, ONLINE

Meeting Announcements



1st MACRAMÉ Regulatory Risk Assessors' Summit: 27th – 28th November 2023, Berlin

'Materials Week 2024': 17th – 21st June 2024, Limassol, Cyprus





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Thank you

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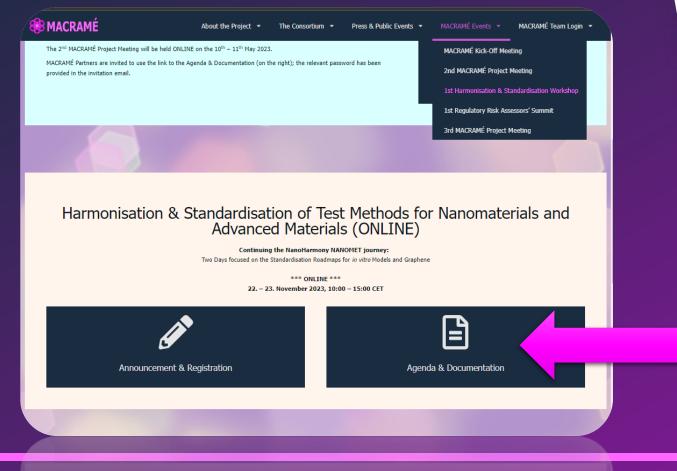
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Workshop Agenda

MACRAMÉ

... best accessed *via* the website: <u>www.macrame-project.eu</u>



Core MACRAME MALTA

8

Core MACRAME MALTA

Workshop Agenda – Day 1

MACRAMÉ

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Time (CET)	Session Title	Speakers
10.00-10.20	Welcome & Introduction to the Workshop	Steffi Friedrichs (AcumenIST)
10.20-10.40	Status of OECD TG developments for nanomaterial	Mar Gonzalez (OECD)
10.40-11.00	The European Partnership on Metrology (EPM) and VAMAS: Opportunities for Pre- Standardisation Activities	Georges Favre (LNE)
11.00-11.20	Contribution of ECVAM towards Validation and regulatory Acceptance of in vitro Methods	Valerie Zuang (ECVAM)
11.20-11.40	Approach Methodologies (NAMs) and how to bridge them into regulation	Andrea Haase (BfR)
Developments of i	n-vitro Models and bridging them towards Standardisation / Harmonisation and Regula	ation
11.20-11:40	MACRAMÉ's Approach towards the Harmonisation of in vitro/ex vivo Models for Inhalation Toxicology	Tommaso Serchi (LIST)
11:40 -12.40	Lunch Break	
12.40-13.00	The Work planned in nanoPASS to support the Weight of Evidence of AOP302 Lung Surfactant Function Inhibition Leads to reduced Lung Function	Jorid Birkelund Sørli (NRCWE)
13.00-13.20	iCare's Approach towards the Harmonisation of human and ecotox Models for Neurotoxicity	Alberto Katsumiti (GAIKER)
13.20-13.40	Strategies to increase the technical Quality of new Approach Methodologies (NAMs) and Nanoecotoxicology Tests	Elijah Petersen (NIST)
13.40-15.00	Round Table on Harmonisation & Standardisation of in vitro Models and how to bridge them into Regulation	Chair: Blanca Suarez Merino (NIA) Participants: presenters of the day
15.00-15.15	Round-up of Day 1	Sean



1^{st} Joint online Workshop: Harmonisation & Standardisation of Test Methods for Nano- and Advanced Materials $22^{nd} - 23^{rd}$ November 2023, ONLINE

Workshop Agenda – Day 2

MACRAMÉ

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Time (CET)	Session Title	Speakers	
10.00-10.10	Welcome & Introduction to Day 2	Ernesto Alfaro-Moreno (INL)	
10:10-10.30	OECD Test Guidelines for Nanomaterials: Support and future steps towards TG development by Malta Initiative and NanoHarmony	Elisabeth Heunisch (BAuA)	
10.30-10.50	Status and Challenges in Regulation of Graphene	Eric Bleeker (RIVM)	
Session on (Pre-)Standardisation Activities for pristine Graphene			
10.50 - 11.10	ISO and VAMAS Activities on (pristine) Graphene	Charles Clifford (NPL)	
11.10 - 11.30	Achievements of the Graphene Flagship and the Way forward	Jörg Radnik (BAM)	
11.30-11.50	Framework on Characterisation	Terance Barkan (Graphene Council)	
11.50-12.30	Lunch Break		
Activities on Determination of Graphene in complex Media			
12.30-12.50	Interlaboratory Study of graphene using TGA	Dusan Losic (University of Adelaide)	
12.50 - 13.10	Simultaneous Screening of the Stability and Dosimetry of Nanoparticles Dispersions using SMLS for in vitro Toxicological Studies	Guillaume Lemahieu (Formulaction)	
13.10 - 13.30	Approaches to identify and measure the Stability of Graphene in complex Media	Fanny Caputo (LNE)	
13.30 - 15.00	Round Table on the Needs for Characterisation and Test Method Developments for Graphene	Chair: Georges Favre (LNE) Participants: presenters of the day	
15.00-15.15	Workshop Wrap-Up – Conclusions - Outlook	Steffi Friedrichs (AcumenIST)	

