

# 4<sup>th</sup> EU-Asia Dialogue on NanoSafety

## REPORT

7<sup>TH</sup> OF OCTOBER 2020  
ONLINE



Federal Ministry  
Republic of Austria  
Climate Action, Environment,  
Energy, Mobility,  
Innovation and Technology

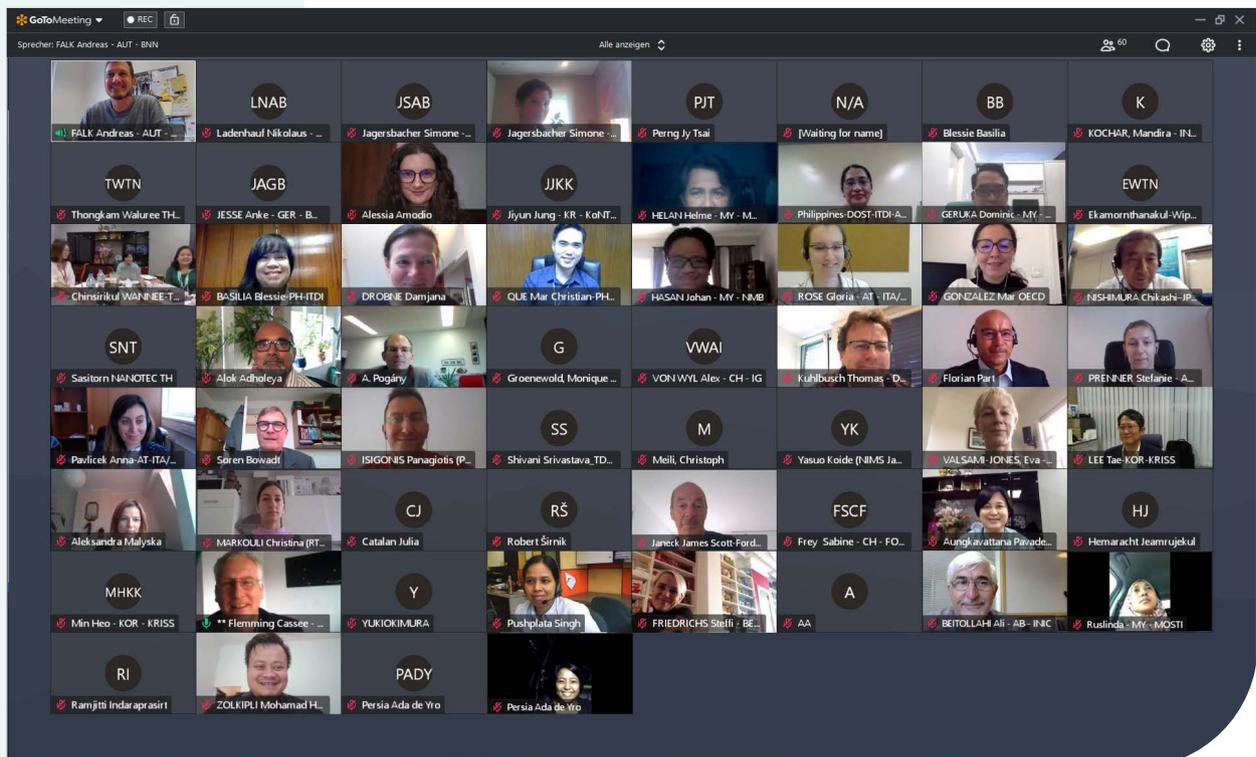


# 4th EU-Asia Dialogue on Nanosafety

## “FROM DISCUSSIONS TO IMPLEMENTATION”

The 4th EU-Asia dialogue on Nanosafety was performed in a way to make progress from discussions towards implementation of actions. Thus, already developed initiatives have been presented as well as findings from previous workshops (e.g. Malta-Initiative, EU-US-BL-LAT-report, previous EU-Asia-dialogue-output). Specific activities and recommendations from that pre-work have been central part of the meeting, (i) already in the preparation in the information package to bring all participants on the same information level, and (ii) during the event with excellent talks and wor-

king sessions. Within the key-notes, several success stories of already ongoing collaboration between EU and Asia have been highlighted and further challenges and action fields identified. Standardisation, the “MALTA-initiative” and “governance” have been further items of the talks, rounded up by scientific contributions of young scientists. The breakout sessions tackled thematic collaboration fields and offered an exchange field on governance best practices and certification/labelling experiences.



Around 70 participants from more than 20 countries joined the dialogue.

This meeting report shall be shared with the EC and the member states, Asian countries, as well as the OECD and other interested groups. It shall include recommendations (breakout session A), which research needs shall be addressed within future programs (e.g. Horizon Europe, national programs in Europe and Asia, etc.) and what are the take home messages from the governance discussions (breakout session B).

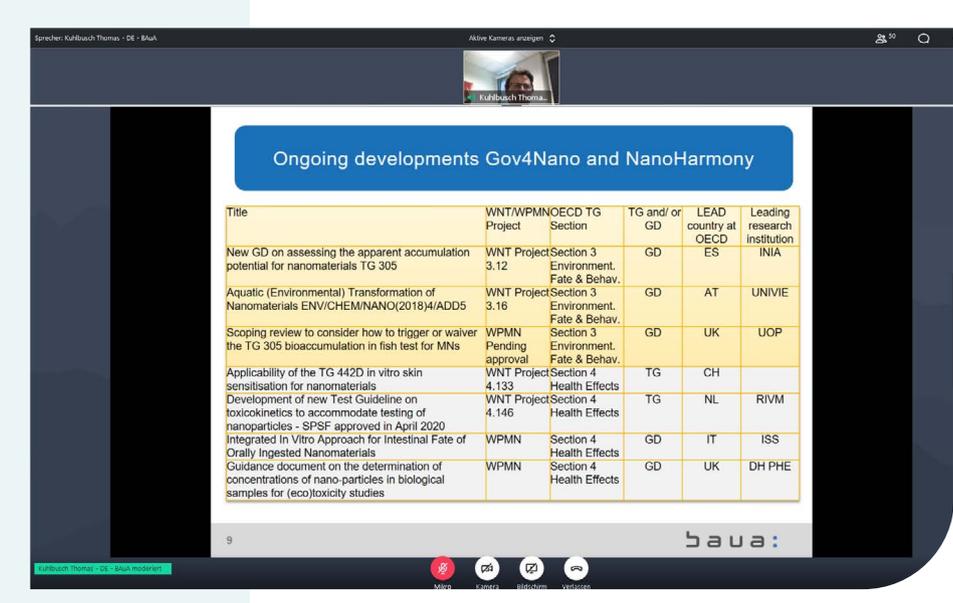
The presentation slides are public accessible: <https://www.bnn.at/presentations-of-4th-eu-asia-dialogue-on-nanosafety-available-now/>

Thus, the report focusses on the results of the breakout sessions and a short “action plan on the way towards the 5th EU-Asia Dialogue on Nanosafety”.

Some colleagues have also shared publications specifically relevant for the participants. Please find those added at the end of this report.

# Breakout session A – Thematic Collaboration Fields

CHAIR: THOMAS KUHLBUSCH, WANNEE CHINSIRIKUL,  
MAR GONZALEZ, FLEMMING CASSEE



The screenshot shows a presentation slide with a blue header and a table of ongoing developments. The table has five columns: Title, WNT/WPMN/OECD TG Project Section, TG and/or GD, LEAD country at OECD, and Leading research institution. The slide also includes a video call interface with a small video window and a 'b a u a' logo at the bottom.

Title	WNT/WPMN/OECD TG Project Section	TG and/or GD	LEAD country at OECD	Leading research institution
New GD on assessing the apparent accumulation potential for nanomaterials TG 305	WNT Project Section 3 3.12 Environment, Fate & Behav.	GD	ES	INIA
Aquatic (Environmental) Transformation of Nanomaterials ENV/CHEM/NANO(2018)4/ADD5	WNT Project Section 3 3.16 Environment, Fate & Behav.	GD	AT	UNIVIE
Scoping review to consider how to trigger or waiver the TG 305 bioaccumulation in fish test for MNs	WPMN Section 3 Pending approval Environment, Fate & Behav.	GD	UK	UOP
Applicability of the TG 442D in vitro skin sensitisation for nanomaterials	WNT Project Section 4 4.133 Health Effects	TG	CH	
Development of new Test Guideline on toxicokinetics to accommodate testing of nanoparticles - SPSF approved in April 2020	WNT Project Section 4 4.146 Health Effects	TG	NL	RIVM
Integrated In Vitro Approach for Intestinal Fate of Orally Ingested Nanomaterials	WPMN Section 4 Health Effects	GD	IT	ISS
Guidance document on the determination of concentrations of nano-particles in biological samples for (eco)toxicity studies	WPMN Section 4 Health Effects	GD	UK	DH PHE

The session on thematic collaboration fields started with a presentation on the Malta Initiative, a European action to develop OECD test guidelines for nanomaterials. This initiative was founded by European member states and is based on voluntary collaboration in this field by all stakeholders e.g. industry, governments, scientists. The Malta Initiative can also be seen as a raw model how collaboration between Asian and European could be organised in the field of test method developments to be used in national regulation.

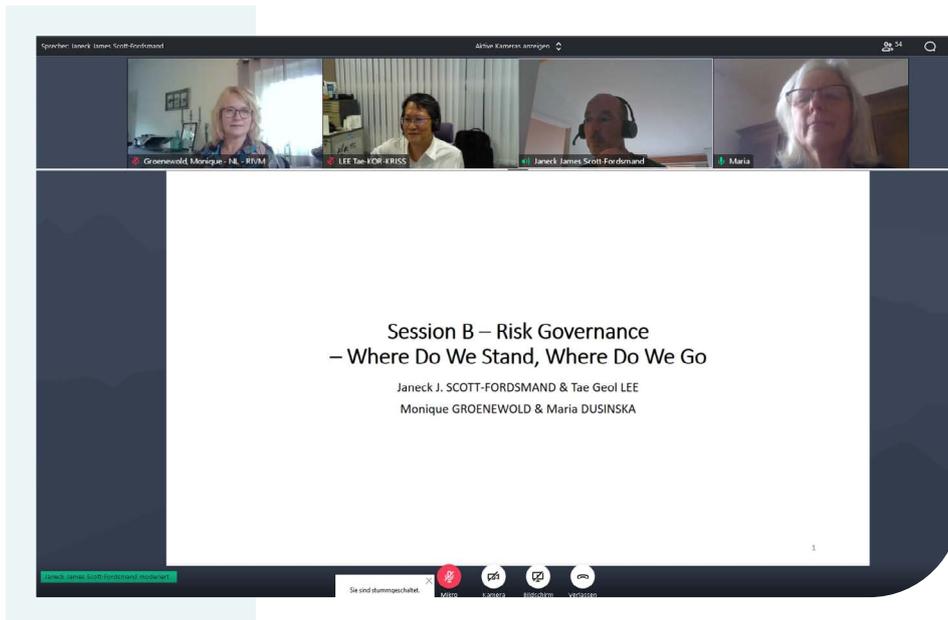
Wanee Chinsirikul informed in her presentation about Thailand's policy and their international activities and technological capabilities. In the last section she raised specific points on collaboration in the field of standardisation and harmonisation including inter laboratory studies and common workshops.

The point of collaboration and organisation of this thematic collaboration was then discussed. Several suggestions to link to existing networks and organisations were made. This will be taken up by a steering group to facilitate a successful start. While exchanging on the collaboration it became evident that the way Asian and European countries look at nano and its regulation is quite different. Asian countries look from the perspective of the product and use while Europe looks from the perspective of chemicals.

From the lively dialogue it became evident that a strong collaboration in various areas is wished by all participants and that the exchange between Asia and Europe should be strengthened by common activities and topic related projects.

# Breakout session B – Risk Governance – Where do we stand and where do we go

CHAIR: JANECK J SCOTT-FORDSMAND, TAE G. LEE,  
MONIQUE GROENEWOLD, MARIA DUSINSKA



The Governance session build on the previous session on placing the development of nano-data, -tools and -frameworks into a perspective of nano risk governance, including the development of road maps. It initiated a general dialogue on where we stand in regard to governance and suggested possible ways forward.

The session started with a presentation by Professor Tae G. Lee on the Korean Nanosafety Roadmap, where various consumptions were described for the next 7 years. He further outlined that there already was good collaboration with European projects partly involved in test guideline development, partly in developing Governance paradigms. It was further emphasised that also here Safety is key, and that this is a global issue.

In relation to this, Dr. Janeck J Scott-Fordsmand sketched the present status and the way forward in relation to nano risk governance, work ongoing in European research project. He showed how the large scale European Projects worked together on this, integrating previous research on data, tools, framework and Governance into a coherent Governance approach focussing on the future aspect. He outlined how a key focus has been to include all possible stakeholder in the development process, this including a high emphasis on global perspective.

Following this was a lively dialogue showing how various regions in Asia has integrated different approaches, e.g. certification concept which will give the companies to do some testing to support this certification. There was a

consensus in the audience this Nano risk Governance was highly important issues and a key wish to make supported efforts across the regions.

## Action plan

### ON THE WAY TOWARDS THE 5TH EU-ASIA DIALOGUE ON NANOSAFETY

- Setup of Committee to conceptualize a network-initiative → Alexander Pogany
- Develop a concept including an implementation plan for the network → network-initiative committee
- Direct interaction with the chairs of the breakout sessions: potential contributors to the thematic collaboration fields and/or to the governance aspects raised during the dialogue shall directly approach the session chairs to follow up to define if/what/how the collaboration can be started:
  - thematic collaboration fields → please contact Thomas Kuhlbusch
  - risk governance → please contact Janeck J Scott-Fordsmand
- Preparation of 5th EU-Asia Dialogue on Nanosafety, 2021 → Ruslinda A. Rahim
- Developments for 6th EU Asia Dialogue event in 2022 → Anke Jesse

Once again, we like to thank all speakers, especially the breakout session chairs and co-chairs for their efforts and also thanks to the participants who made this event a success

**Looking forward to the next EU-Asia Dialogue on Nanosafety!**

**ALEXANDER POGÁNY**

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Host and organizer of 4th EU-Asia Dialogue on Nanosafety

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