

Introducing NanoHarmony

July 7, 2020

NanoHarmony

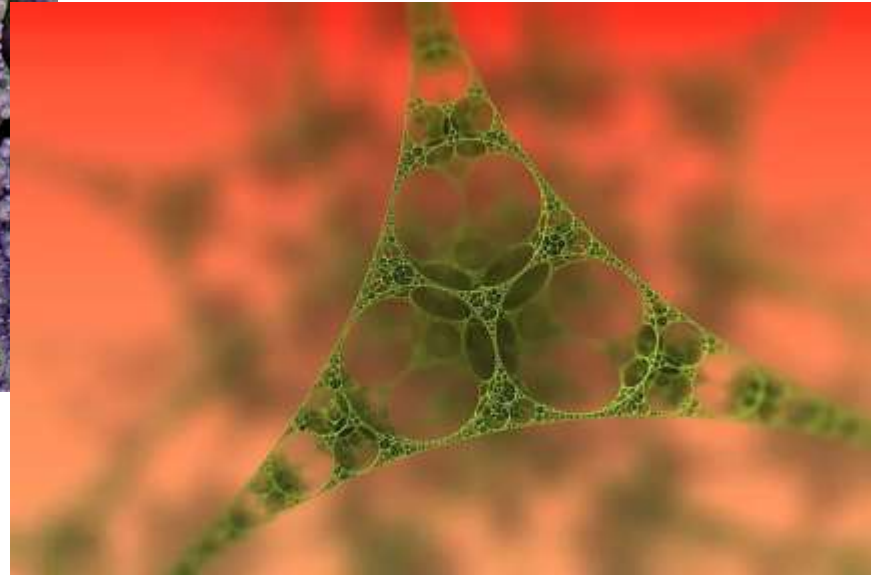


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The Nano (scale)

NanoHarmony



Focus: Nanomaterials



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 885931

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The Harmony (for safe society)

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Chemical safety:

EU rules ensure high levels of protection for citizens and the environment and contribute to efficient functioning of the Single Market [\(source\)](#)



Chemical safety and biosafety

The OECD assists countries in developing and implementing policies and instruments that make their systems for managing chemicals as efficient and robust as possible, while protecting human health and the environment [\(source\)](#)



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NanoHarmony Partners

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5 a u a :



In addition...

> 24 institutions and industries from e.g. South Korea, South Africa, Canada and the USA have expressed their interest to become Associated Partners of NanoHarmony

Letters of participation will confirm their role



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Welcome to

NanoHarmony



NanoHarmony



Introducing the Project



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The Beginning – Malta Initiative

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The



Initiative – A European Action to Develop OECD Test Guidelines for Nanomaterials

Why

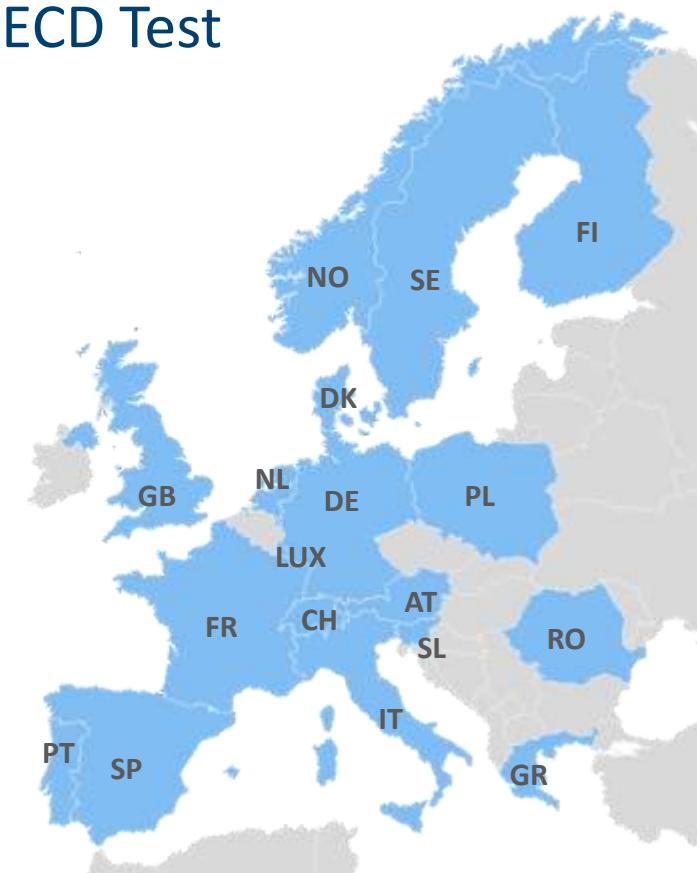
- Ensuring that nanomaterial safety regulation keeps pace with innovation
- Strengthening European and international cooperation
- Setting priorities in TG/GD developments
- Involving all stakeholders
- Initiating activities
➔ here EU projects

Who

18 European States
+ Industry/ECHA/JRC
are currently active
in the Malta Initiative

Chair of the Board:
Anke Jesse, BMU, Germany

[READ MORE](#)



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The EU NMBP 13 Projects

Risk Governance of nanotechnology (RIA):
Here focus on research related to MI

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NANORIGO

Review of available guidelines, SOPs with subsequent recommendations and conclusions for the sections of Material, Exposure, Hazard - Human, Hazard – Environment, Risk

RISK
GONE

Adaptation of available and development of new TGs mainly related to properties/endpoints at the OECD stage - Pre Project Proposal

Gov4Nano
meeting the needs of nanotechnology

Adaptation of available and development of new TGs now mainly at the OECD stage: WNT Projects and task to coordinate the scientific developments towards OECD TG/GDs between each other and with the OECD secretariat



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The EU NMBP 34 Projects

In support of documentary standards (CSA)

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NanoMet

Coordinates OECD-EU activities that support TG/GD

- Ensuring actions fulfil OECD requirements
- Informing and engaging Member countries and organisations
- Interactive exchange and collaboration with related EU projects

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Supporting development of TGs/GDs

Coordinate the scientific activities also beyond NanoHarmony
Facilitate information exchange between research and OECD

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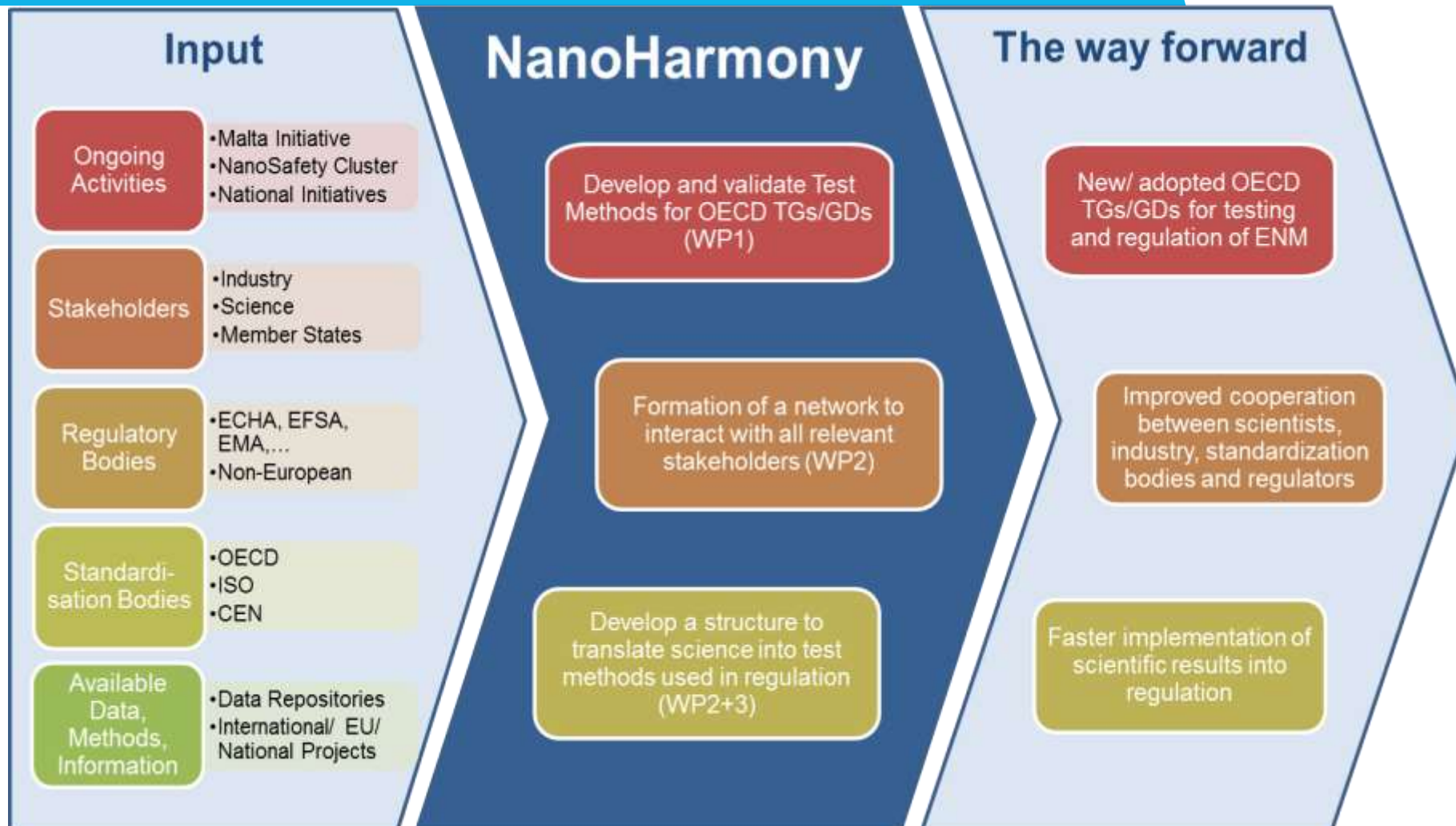


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Building long term impact

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Examples of ongoing TG/GD development

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Overall > 20 contributions
are currently listed

Title	New/ Adop.	Existing	SPSF submitted /approved	Project submitted /approved	Project in prepa.	Sponsor/ research project	Lead country for OECD
OECD TG Section 1: Physical Chemical Properties							
1	New TG on particle size and size distribution	new TG	TG 110	A			German Ministry of Environment DE
2	New TG on Determination of the (Volume) Specific Surface Area	new TG		A			Gov4Nano EU-JRC
3	Determination of solubility and dissolution rate in water and relevant synthetic biologically mediums	new TG/GD	TG 105	A	A		Gov4Nano NanoHarmony DK
5	New TG on Determination of the Dustiness of Manufactured Nanomaterials	new TG and GD		A	A		Gov4Nano NanoHarmony FR
6	Particle counting					x	RiskGONE
OECD TG Section 2: Effects on Biotic Systems							
7	Technical recommendations for conducting assays with ENMs according to OECD TG 201, 202 and 203	Adop. GD	TG 201, ...		A		NanoHarmony ES



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What we do in NanoHarmony

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Develop and validate Test Methods for OECD TGs/GDs (WP1)

- Contribute to development of existing Test Guidelines
- Deliver scientific information for new TG where required

Formation of a network to interact with all relevant stakeholders (WP2)

- Initiate and coordinate scientific exchange between different TG/GD developments and with international experts (e.g. Workshop 3-5 November)
- Initiate and coordinates exchange between researchers and the OECD (NanoMet project)
- Network stakeholders and key bodies together for TG and GD prioritisation

Develop a structure to translate science into test methods used in regulation (WP2+3)

- Improved flow of information and early exchange of regulatory needs between

Research



Harmonised Assessment



Regulation



(Legislation)



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NanoHarmony events

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Date	Month	Type	Information
April 2020	1	Kick off	
November 2020	7	Workshop 1	data and information collection needed for a timely development and gap identification at the start of the project
April 2021	13	Consortium meeting 1	
September 2021	18	Workshop 2	strong stakeholder involvement in discussion on test methods detail, round robin test results and the way forward in regulatory research, test method developments and European regulation
April 2022	25	Consortium meeting 2	
June 2022	28	Meeting 1 OECD Paris	impact-orientated dissemination with a focus on TGs and GDs
January 2023	34	Meeting 2 Brussels	position and recommendations for future translation of science into regulation to meet regulatory needs
March 2023	36	Final meeting	



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Get involved today

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NanoHarmony invites all interested stakeholders to help build the global framework for nanomaterials.

What	How
Analysis of data gaps in TG/GD development and interlaboratory comparison needs: Expert workshop November 3-5 (online)	Submit an Expression of Interest HERE
WS on improving the translation of science into regulation and exchange on regulatory needs (Sept. 2021)	Email: NanoHarmony@buaa.bund.de
Round robin test partner	Email: NanoHarmony@buaa.bund.de
Sign up as a stakeholder to the NanoHarmony project: Receive all project news and opportunities	Sign up HERE
Sign up HERE for our next webinar on September 16, 14:00 CET: Joint event with OECD NanoMet project 'the pathway to Test Guides – from science to standards for nanomaterials'	



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