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Coordination team

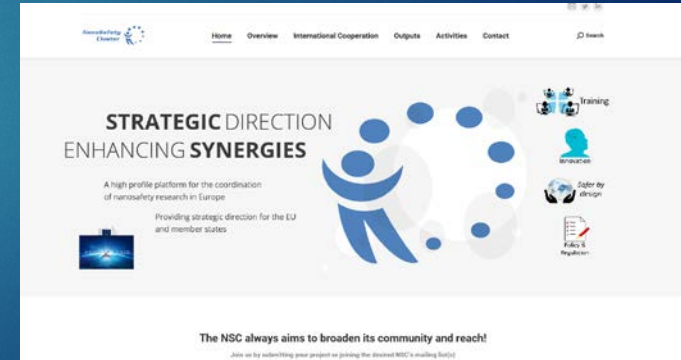


# The Nanosafety Cluster (NSC)

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The NSC is an initiative of the European Commission Directorate-General for Research and Innovation, which sponsors research in nanosafety. Established Budapest (Hu) 2010

- ▶ The NSC aims to maximise synergies between European-level projects addressing the safety of NMs and technologies.
- ▶ Topics: toxicology, ecotoxicology, exposure assessment, mechanisms of interaction, risk assessment, standardisation and governance.





# The Nanosafety Cluster (NSC)

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The NSC functions as a high profile platform for

- ▶ coordination of nanosafety research in Europe,
- ▶ providing strategic direction for the EU and member states,
- ▶ enhancing synergies between running and newly starting projects
- ▶ preserving the outputs and data from ended projects, and
- ▶ integrating and synthesising nanosafety knowledge to provide a unified message to stakeholders including regulators, industry and civil society.

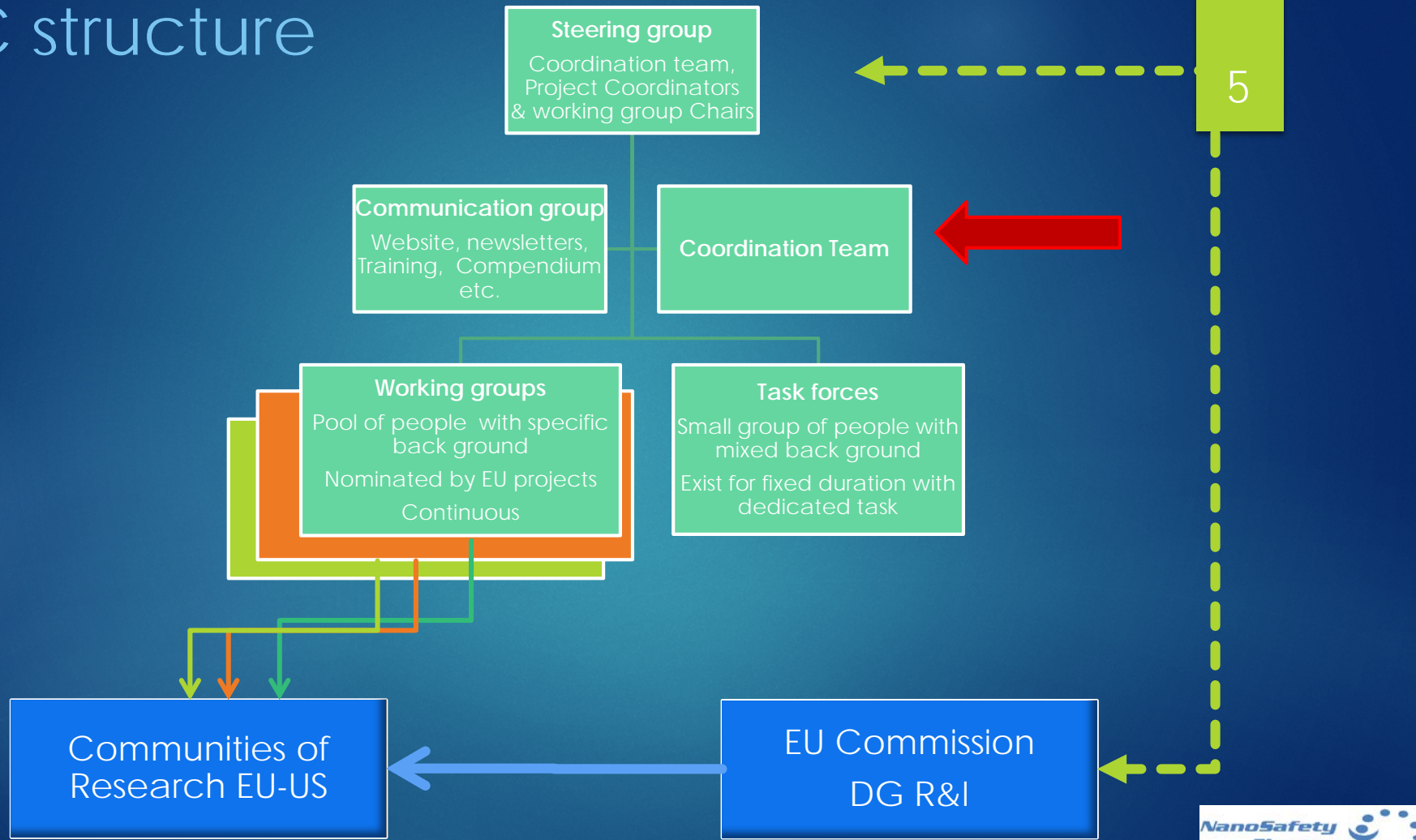
# Current ~25 projects

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Project	Coordinator
ACEnano	Eva Valsami-Jones
Calibrate	Keld Alstrup Jensen
CERASAFE	Mar Viana
EC4SafeNano	Emeric Frejafon
GRACIOUS	Vicki Stone
HISENTS	Andrew Nelson
Lorcenis	Christian Simon
ModCOMP	Costas Charitidis
NanoCommons	Iseult Lynch
NanoFARM	Susana Loureiro/ Greg Lowry
NanoFASE	Claus Svendsen
NanoGenTools	Juan Antonio Tamayo Ramos Santiago Cuesta Lopez
NanoREG II	Emeric Frejafon
NanoStreeM	Dimiter Prodanov
npSCOPE	Tom Wirtz / Tommaso Serchi
OpenRiskNet	Thomas Exner
Pandora	Diana Boraschi
PATROLS	Shareen Doak
SKHINCAP	Carla Silva
SmartNanoTox	Vladimir Lobaskin
<b>NEW in 2019</b>	
RiskGone	Maria Dusinska
Gov4Nano	Monique Groenewold
NanoRigo	Rudolph Reuter
NanoSolveIT	Andreas Afantitis
NanoinformaTIX	Miguel A Banares



# NSC structure





# NSC working groups

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**WG A:  
COMMUNICATION, TRAINING AND EDUCATION**

**WG B:  
MATERIALS AND  
STANDARDS**

**WG C:  
EXPOSURE &  
HAZARD  
ASSESSMENT**

**WG D:  
SAFER BY  
DESIGN,  
INNOVATION**

**WG E:  
MODELS AND  
TOOLS FOR  
RISK  
ASSESSMENT**

**WG F: DATA MANAGEMENT**

**WG G: REGULATION AND RISK GOVERNANCE**

**WG H: INTERNATIONALISATION**

# Special activities

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- ▶ Scientific missions
- ▶ Task forces
- ▶ Annual meeting
- ▶ Roadmaps
- ▶ Workshop /training school
- ▶ Malta Initiative
- ▶ Newsletter
- ▶ Website



- Mexico Jan 2019
- USA BILAT meeting March 2019
- Connection with Asian Nano forum (clustering with South Korea, Japan, Thailand, Iran etc)
- EU-US Communities of Research & BILAT meeting (on synthetic biology and nanosafety)



# Distinction between TF and WG

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Task Force	Working Group
Addresses a specific identified stakeholder need	Bottom-up activities of interest to several NSC projects
Agreed and refined by Steering Group	Agreed by WG leadership
Has fixed timescale (~ 6 months), scope and output / deliverable	No fixed timescale, but requires clear scope and regular activities/outputs
Call for membership via website & Steering group	Projects self-select interest to contribute
Steering group approve final output	Update on activities via website and Compendium



# NSC supporting the Malta Initiative project(s)

EU offered to OECD that NSC RTD projects will provide input and organizational contribution to the MI projects or more

- ▶ Share knowledge
- ▶ Host or organize workshops
- ▶ Coordination between NSC & the “Malta Initiative”
- ▶ Connecting NSC projects with Malta Initiative project to maximize input for OECD process







# Research recommendations

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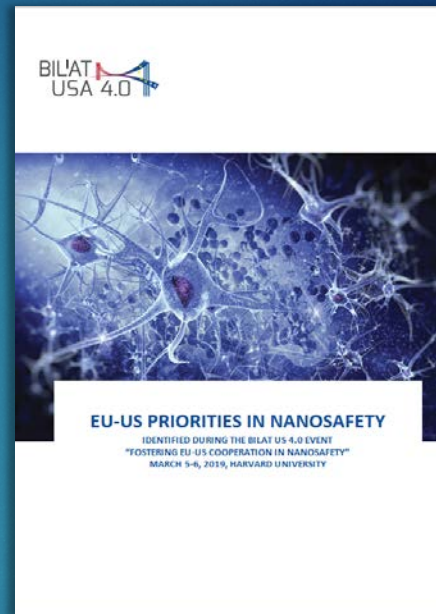


Nanosafety in Europe 2015-2025:  
Towards Safe and Sustainable  
Nanomaterials and Nanotechnology  
Innovations

Kai Savolainen (coordinator), Ulrika Backman,  
Derk Brouwer, Benyi Fedot, Teresa Fernandes,  
Thomas Kuhlbusch, Robert Landsiedel,  
Isaiah Lynch, and Lea Pylkkänen  
together with the members of the NanoSafety Cluster  
who have contributed to the document and listed in  
an alphabetical order in the Annex.

Nanosafety in Europe 2015 – 2025

Started the update



BILAT  
USA 4.0

EU-US PRIORITIES IN NANOSAFETY

IDENTIFIED DURING THE BILAT US 4.0 EVENT  
"FOSTERING EU-US COOPERATION IN NANOSAFETY"  
MARCH 5-6, 2019, HARVARD UNIVERSITY

# Nanosafety Cluster

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Support, educate, represent the NanoSafety Community.

## International cooperation



### EU-US Communities of Research

[Bridging nanotechnology environmental health and safety \(nanoEHS\) research.](#)



### H2020 International Cooperations

[The NSC is open to the world and actively looking for international partners.](#)



### EU nanosafety delegations

[Advancing nanosafety and nanomedicine research and promoting global collaborations.](#)



### The Malta Initiative

[Updating the OECD guidelines](#)



### Regulations, risk governance and standardisation

[Close collaboration with EU and global agencies.](#)

<https://www.nanosafetycluster.eu/>



# Coordination team NSC 2019

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