PILLAR : SUPPORTING INDUSTRIAL UNDERSTANDING

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International Network Initiative on Safe & Sustainable Nanotechnology

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3.2.3 Action Plan – Pillar 2

2024

Action	Short-term (till Dec 2023)	Medium-term (till 2025 and beyond)
Facilitate knowledge transfer	Collection of (reliable) sources for data of different complexity by INISS partners, gap analysis [lead: Patricia Farias, Vinicius Bim]	Common global (web) portal with clearly laid out guidance for industry (where to find what and how to use it) for different sectors [lead: Patricia Farias] Closing of gaps for industry, Global database/portal [Vinicius Bim]
Harmonized characterization	Collection of techniques/fields, projects, existing working groups [lead: Miguel Bañares]	Network of stakeholders for particular areas (techniques, sectors), knowledge exchange, round robins to close gaps [lead: Miguel Bañares] Global expert groups identifying future areas of interest, harmonized approaches [lead: Patricia Farias]
Targeted communication and outreach	Definition of target audiences and available channels [lead: Patricia Farias, Miguel Bañares]	Series of workshops / conference sessions (e.g., in conjunction with current projects in this field and existing networks like ETPN) [lead: Patricia Farias, Miguel Banãres] Communications toolbox [lead: tbd]

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- 1- ACTION →FACILITATE KNOWLEDGE TRANSFER - Collection of (reliable) sources for data of different complexity by INISS partners, gap analysis

[lead: Patricia Farias, Vinicius Bim]

- 2- ACTION – HARMONIZED CARACTHERIZATION - Collection of techniques/fields, projects, existing working groups

[lead: Miguel Bañares]

- 3- TARGETED COMMUNICATION AND OUTREACH - Definition of target audiences and available channels

[lead: Patricia Farias, Miguel Bañares]

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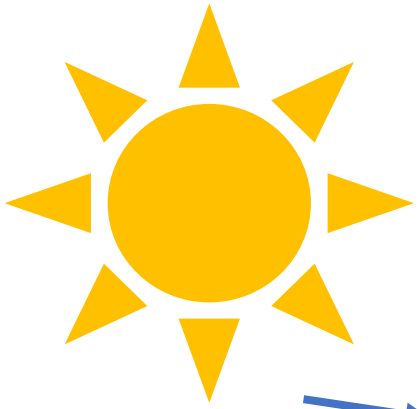
1- ACTION →FACILITATE KNOWLEDGE TRANSFER - Collection of (reliable) sources for data of different complexity by INISS partners, gap analysis

[lead: Patricia Farias, Vinicius Bim]

- The NANO Supermarket
- Nanowerk Nanotechnology Products and Applications
- Nanowerk Nanomaterial Database Search - Comprehensive database for nanomaterials and companies
- JRC Nanomaterials Repository

Collection of reliable sources for INDUSTRIES that make use of nanomaterials of different complexity *



FUNDAMENTAL STEP

1- Identification of the existing data base in all OECD members and partners countries

2- Complie the existing database in a harmonised and easily understandable way

3 - Dissemination

Work together with OECD

Collection of reliable sources for INDUSTRIES that make use of nanomaterials of different complexity *

Why are ther a need for such a list for NMs (there is no list of polymers used in, of … chemicals in general used in …product/ application)
→ What should be achived by such a comprehensive list

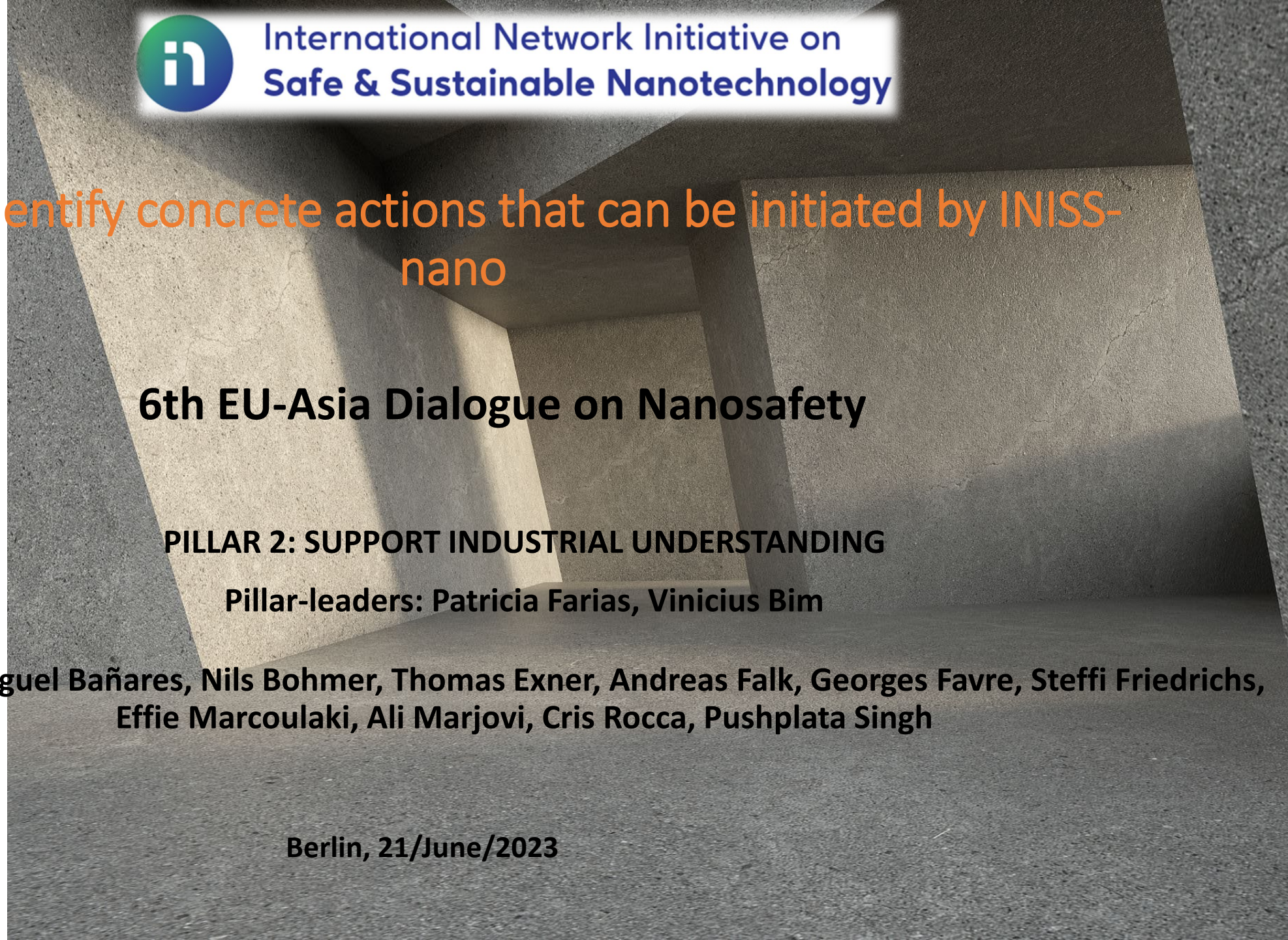
The (raw)materials producers: how should they insure the use (completely) of their produkts: that‘s not possible – the one using NMs have to know this

Life cycle analysis is not just a matter for NMs – it is for all chemicals and materials

SSbD / tracability in the supply chain is not a special NM-Problem, it is a general topic

Definition of NM: by means of ISO: internationally aggreged and should not be any problem,
however, on regulatory issues: their definitions have to be different from ISO due to purpose.
Thus, mutual acceptance of data (guidelines) by OECD is very important.

Currently in EU: you need a negative prove which can be provided only by TEM; and than there is the counting (incl. dispersion) → differently handled in e.g. in USA or other parts in the world



International Network Initiative on Safe & Sustainable Nanotechnology

Goal: to identify concrete actions that can be initiated by INISS-nano

6th EU-Asia Dialogue on Nanosafety

PILLAR 2: SUPPORT INDUSTRIAL UNDERSTANDING

Pillar-leaders: Patricia Farias, Vinicius Bim

Supporters: Miguel Bañares, Nils Bohmer, Thomas Exner, Andreas Falk, Georges Favre, Steffi Friedrichs, Effie Marcoulaki, Ali Marjovi, Cris Rocca, Pushplata Singh

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Discussion upon new title:
“Supporting Industry in safe and sustainable innovation and in the introduction of materials into the market”
We have to reflect reality – there are already quiet a lot of existing materials.
“Supporting industry concerning safe and sustainable materials”
Note: this is meant for SSbD and already existing NMs

New draft title:

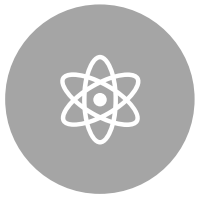
“Supporting industry in bringing safe and sustainable materials into the market”

Collection of (reliable) sources for data of different complexity by INISS partners, gap analysis

Tools/Guideines for future regulation of nanobased products

EUON

DYNAMIC DATABASE/REPOSITORY OF NANO-INDUSTRY AND WITH REPESCTIVE PRODUCTS



JRC HOSTS A REPOSITORY OF REPRESENTATIVE INDUSTRIAL NANOMATERIALS (NM) – REFERENCE (NANO)MATERIALS

DENMARK – REGULATION (NANODBREGULATION.DK)

STANANO – SWEDEN (EUROPEAN OFFICE), CHINA (EAST ASIA OFFICE), IRAN (WEST ASIAN OFFICE)

NANOWERK,….

INDUSTRIES THAT MAKE USE OF NANOMATERIALS

What might be the scope of the database?

- First of all: is that NM known to be incorporated
- Challenge due to change of formulations (who does the update)
- For such a comprehensive database some: regulatory enforcement might be needed
- Are we / will we be obliged to provide a database – and there are quite some reasons why such a database might not be possible nor *practicable* *(world wide on voluntary basis: feeding the database will be enormous)*

Link to OECD: including BIAC concerning incentives & barriers / trusted environment / regulatory preparedness (SSbD)

UNDER CONSTRUCTION (after our first face to face meeting since a long time):
There is a need to change our short term tasks (online meting in November)

I kindly request for your inputs

Let’s do it together

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Thank you!