

A Glance at “Harmonization and Standardization Pillar ” : Aims, Programs and Future Steps Ahead”

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Introduction of Harmonization Pillar

Harmonisation (incl. Standardisation)

Lead: Steffi Friedrichs, Ali Beitollahi

- Supporters: Miguel Banares; Sophie Briffa; Flemming Cassee; Fernand Doridot; Andreas Falk; Patricia Farias; Georges Favre; Giancarlo Franzese; Danail Hristozov; Ramjitti
- Indaraprasirt; Ineke Malsch; Cris Rocca; Pushplata Singh.
- Support international standardisation work
- Support joint actions globally
- Enable synergies across initiatives
- Activities include e.g., workshops, knowledge exchange, initiating of collaborative preparation work

Pillar Harmonisation (incl. Standardisation)

Action Plan (1/2)

Action	Short-term (till Dec 2023)	Medium-term (till 2025 and beyond)
Pre-standardization / Harmonization efforts (including interaction with the metrology community)	<p>Documents to support Regulatory Preparedness in Nanotechnology [lead: tbd]</p> <p>Prioritizing and listing the needs of standards by crowd sourcing approaches [lead: Hasan Pouypouy]</p> <p>Promote already available funding mechanisms (i.e., dedicated annual calls for proposals regarding pre-standardization activities within the new European Partnership on Metrology programme) [lead: Georges Favre]</p>	<p>Initiate a collaboration with VAMAS [lead: Georges Favre]</p> <p>Contribute to identify and prioritize the needs regarding OECD TG implementation documents [lead: Miguel Banares, Georges Favre, Steffi Friedrichs]</p> <p>Work to establish a funded programme to support the organization of inter-laboratory comparisons to validate methods/protocols prior to their standardization (on a similar model to the ASTM programme) [lead: Georges Favre]</p>
Standardization	<p>Communicate on standardization programme (available and under development documents upon availability) [lead: Hasan Pouypouy]</p> <p>Produce and disseminate summary reports of CEN/TC 352 and ISO/TC 229 meetings, if permitted [lead: Hasan Pouypouy]</p> <p>Outreaching international experts [lead: tbd]</p>	<p>Contribute to the development of an internationally recognised Standardization Certificates to acknowledge standardization work (in particular for academic experts) [lead: tbd]</p> <p>Contribute to identify and prioritize the needs regarding standardization work in order to optimize resource allocation [lead: tbd]</p> <p>Becoming liaison of regional and international standardization organization [lead: Hasan Pouypouy]</p> <p>Joint development of standard in the field of: [lead: tbd]</p> <ul style="list-style-type: none"> -Characterization and measurement methods -Guidelines -Protocols



Pillar Harmonisation (incl. Standardisation) Action Plan (2/2)

Nanometrology	<p>Promotion and facilitating inter-laboratories comparisons [lead: Georges Favre]</p> <p>Implementation of an European Metrology Network to coordinate effort on metrology to support the Advanced Materials/Nanomaterials topic [lead: Georges Favre]</p>	<p>Collaboration with Regional Metrology Organizations (RMOs like EURAMET, APMP, SIM...) and BIPM [lead: Georges Favre]</p> <p>To develop collaborative roadmap jointly with regional /international metrology institutes (eg. BIPM, EURAMET, ...) [lead: Georges Favre, Steffi Friedrichs]</p> <p>To develop collaborative roadmap jointly with regional /international metrology institutes (e.g., BIPM, EURAMET, ...) [lead: Georges Favre-Steffi Friedrichs]</p>
Regulations	<p>Sharing and exchange of experiences and policies regarding nanosafety regulations and laws [lead: tbd]</p> <p>Policy data sharing [lead: tbd]</p>	<p>Organizing joint meeting in the field of regulation and laws [lead: tbd]</p> <p>Promoting harmonizing approaches among regional/international regulatory bodies [lead: tbd]</p>
Capacity building	<p>Training workshops (virtual and face to face) bilateral and multi-lateral [lead: tbd]</p> <p>Summer and winter school [lead: tbd]</p>	<p>Knowledge /data sharing and transfer [lead: tbd]</p> <p>Tutorial packages [lead: tbd]</p>

Some of the Next steps

- Implementation of the actions based on the identification of stakeholders needs and requests.
- Identification of new partners and volunteers to lead the devised action plans.
- Holding specialized capacity building workshops, seminars, summer schools,...)
- identifying international experts to collaborate in different working groups
- Continuously updating of actions and expanding the working groups
- Report on achievements and planning future work
- Designing collaboration mechanisms with regional, international relevant standardization bodies.
- Policy and experience exchange on regulatory issues and programs
- 6th EU-Asia Dialogue, June 21st 2023, Berlin.



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