



Next Metrology Programme – current status

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The EMPIR initiative is co-funded by the European Union's Horizon 2020 research and innovation programme and the EMPIR Participating States

CREATING IMPACT BY ADVANCING MEASUREMENT SCIENCE

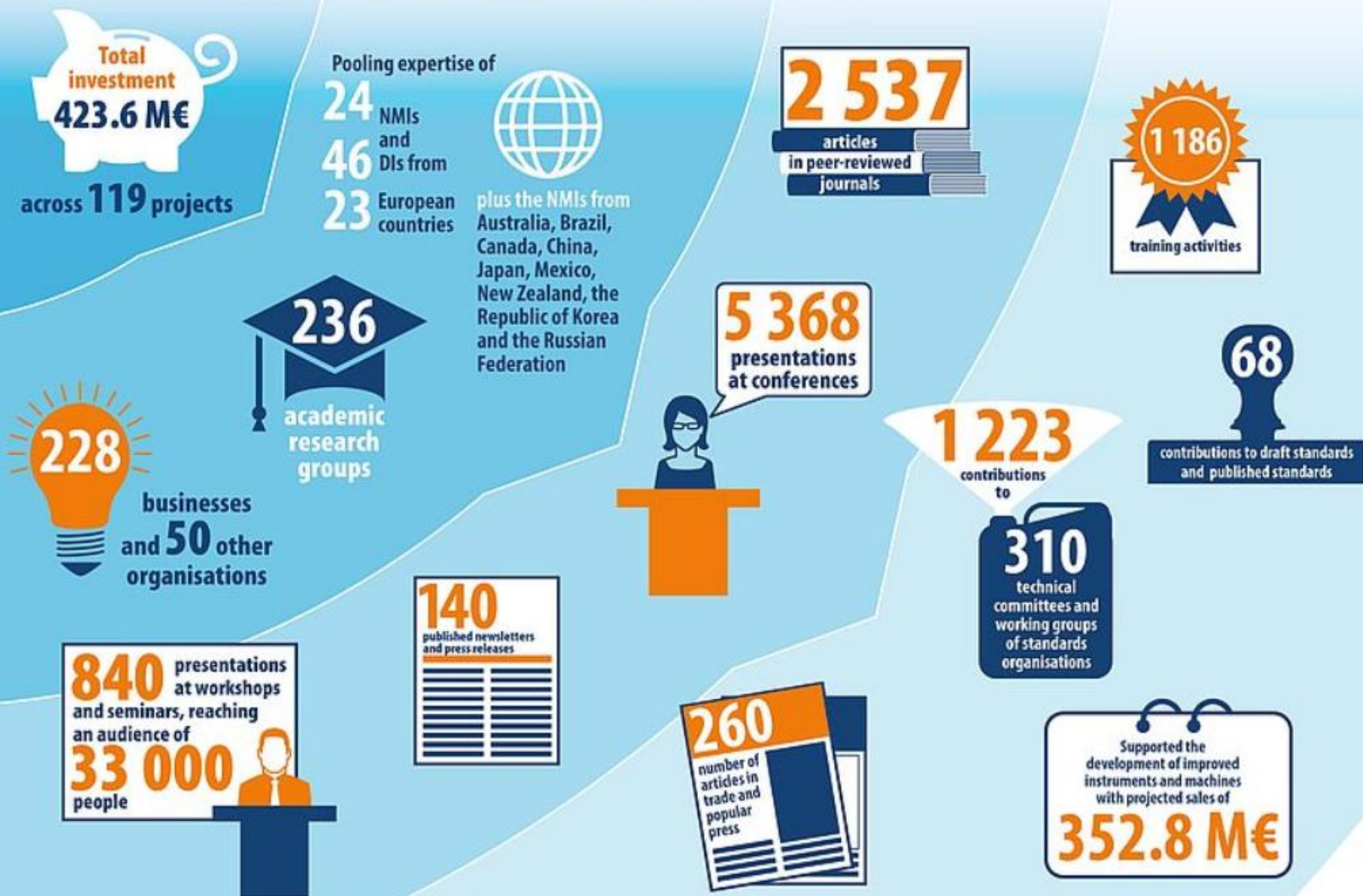
EURAMET's European Metrology Research Programmes (EMRP and EMPIR) are fostering international collaboration, driving research excellence, addressing society's grand challenges, including health, energy and the environment, and contributing to Europe's economic turnover

Browse the menu to find out more



- <https://www.euramet.org/metrology-for-societys-challenges/>

EURAMET's European Metrology Research Programme at a glance



Participation in EMPIR



Internal Funded Partner(s)

- EURAMET NMIs and DIs (within their area of designation) from countries that have made a financial contribution to EMPIR (see List 1a).

External Funded Partner(s)

- All other legal entities established in: Member States, Overseas Countries and Territories (OCT) linked to Member States, countries automatically eligible for Horizon 2020 funding, countries associated to Horizon 2020, including non-EMPIR NMIs and DIs plus EMPIR DIs participating outside their field of designation (see List 1b)

Unfunded Partner(s)

- Any legal entity whose participation adds benefit to the project.
- Legal entities that are eligible to participate as 'internal' or 'external' may participate as an unfunded partner

This seem to fit for the next Parternship for Metrology as well!

EMPIR

- Eligible indirect costs are fixed
 - 5 % for Internal Funded Partners
 - 25 % (H2020 standard rate) for other partners
- EU contribution is calculated as 100 % of total eligible “Costs”

Partnership for metrology

- Eligible indirect costs are fixed
 - **25** % for Internal Funded Partners
 - 25 % (H2020 Europe rate) for other partners
- EU contribution is calculated as 100 % of total eligible “Costs”

- Cofunding happens at the highest level:
- EU half → JRP funding (similar to H2020 projects to all participants) [350 M€]
- National funding → activities by the NMIs and Dis of EURAMET, listed on the next page + administration of the programme and supplementary activities [350 M€]

Next programme – Funding Structure



National Contribution (350 M€)	Union Contribution (350 M€)
<p>90 % as in-kind contributions, demonstrated by Horizon Europe style finance statements, covering activities that:</p>	<p>20 % as funding to Joint Research Project calls in fundamental scientific metrology. Developing new capacity in measurement that drives innovation. About 45 % of this funding would be aimed at external partners so the best academic research can be brought in and applied to metrology.</p>
<ul style="list-style-type: none"> • Develop and support the networks • Contribute research outputs aligned with the Strategic Agenda's of the European Metrology Networks and Euramet's Technical Committees • Maintain confidence in the services offered by the European Metrology System • Build capacity in the distributed system and train metrologists to ensure they can deliver at the local level. 	<p>70 % as funding to Joint Research Project calls in applied metrology. Developing new capacity in measurement responding to the priorities of Horizon Europe. About 40 % of this funding would be aimed at external partners so the early adopters in industry and public services can participate and shape the outputs to meet their needs.</p>
<p>10 % as cash contributions. 8 % for the administration of the partnership and 2 % for supplementary activities such as Mobility Grants</p>	<p>10 % as funding to Joint Research Project calls in to support Standardisation and Regulation. Developing new capacity in measurement following identified needs from Standardisation Bodies and Regulators.</p>

The European Partnership on Metrology– Draft General Objective



- To Create, by 2030, a sustainable and effective system for metrology at European level that ensures Europe has a worldclass metrology system that:
- Provides metrology solutions, fundamental metrological reference data and methods, offering fit-for-purpose solutions supporting and stimulating European innovation and responding to societal challenges.
- Supports and enables effective design and implementation of regulation and standards that underpin public policies that address societal challenges

Preliminary call plan under discussion



2021 Green Deal

2022 Health, Integrated European Metrology

2023 Fundamental, Industry

2024 Green Deal

2025 Health, Integrated European Metrology

2026 Fundamental, Industry

2027 Green Deal

- Normative and some form of Research Potential in each year
- “Integrated European Metrology” replaces SI with a focus on joint capabilities and infrastructures

- 210 M€ of EU money for internal funded partners
- 140 M€ of EU money for external funded partners
- We need to demonstrate national cofunding of 350 M€ in an “auditable” way i.e. some form of Finance Statements

The “European Green Deal”, launched in December 2019, sets out the comprehensive, highest-priority objectives of the European Union to tackle climate and environment-related challenges¹. The Green Deal requires progress in:

- Increasing the EU’s Climate ambition for 2030 and 2050
- Supplying clean, affordable and secure energy
- Mobilising industry for a clean and circular economy
- Building and renovating in an energy and resource efficient way
- Accelerating the shift to sustainable and smart mobility
- From ‘Farm to Fork’: a fair, healthy and environmentally friendly food system
- Preserving and restoring ecosystems and biodiversity
- A zero-pollution ambition for a toxic-free environment

The Horizon Europe Clusters “5. Climate, Energy and Mobility” and “6. Food, Bioeconomy, Natural Resources, Agriculture and Environment” in Pillar 2 “Global challenges and European Industrial Competitiveness” are closely related to the Green Deal.

The Green Deal is also intended to be a key pillar of the post-Covid-19 economic recovery plan for Europe.

Potential Research Topics (PRTs) submitted in response to this call should describe research and development needs for metrology solutions required for standardisation, regulation and conformity assessment. Proposed topics should address one of the following strands:

1. Specific documented demands of European and international Standards Developing Organisations (SDOs) for metrological research in any area. Proposals may address the development of traceable measurement methods or the provision of validated data sets, which are required for documentary standards. The demand for the research shall be demonstrated by clear reference to the measurement needs within strategic documents published by the SDO (Technical Committee(s) (TCs) or Working Group(s), (WGs), (e.g. in the Business Plans or Work Programmes) or by a letter signed by the convenor of the respective TC/WG). Proposals in this strand are expected to address actual standardisation development work.
2. The metrological background of EU regulation, by either responding to documented requirements or by exploring the background and feasibility of expected possible future regulation. Proposals may address the development of traceable measurement methods or the provision of validated data sets, which are required for these purposes.

Potential Research Topics (PRTs) submitted for this call should identify:

- the particular metrology needs of stakeholders committed to work towards the objectives described in the Green Deal,
- the research capabilities that should be developed (as clear technical objectives) as a response to the Green Deal,
- national needs and any strategic priorities of a region with respect to the Green Deal, where relevant
- the impact this will have on the industrial competitiveness and societal needs laid out in the Green Deal, and
- how the research capability will be sustained and further developed after the project ends.

Questions?



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