




The European Partnership on Metrology– current status

General Assembly
June 2021

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Warning



Discussions with the Commission are changing almost daily. This presentation is the current understanding.

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Research Programmes



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

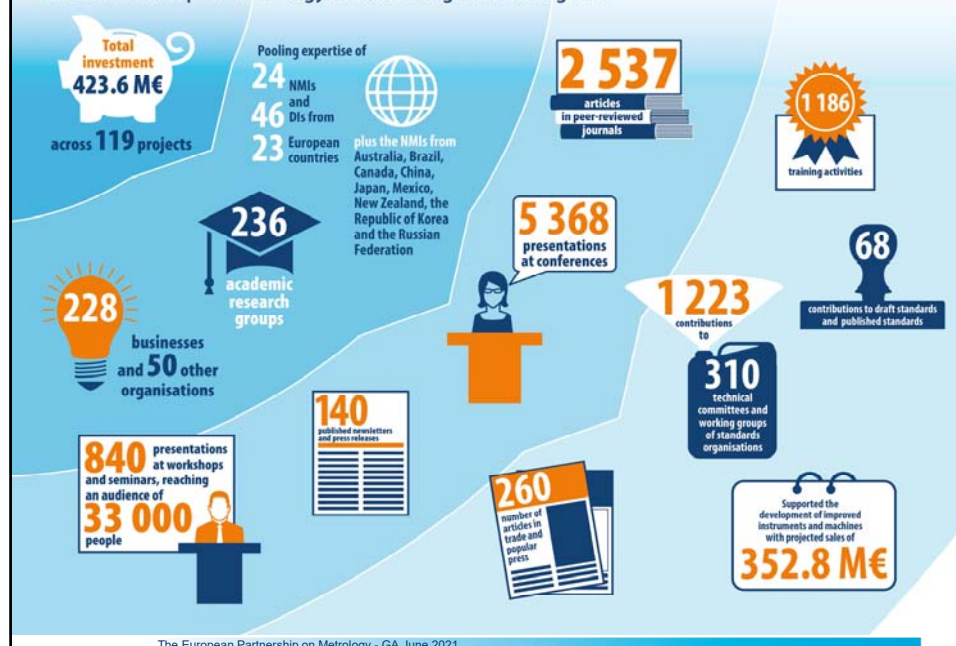


<https://www.euramet.org/metrology-for-societys-challenges/>

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EURAMET's European Metrology Research Programme at a glance



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Development - 2020



- Following a decision at the 2020 GA, Euramet has signed a contract with NPL to host the next MSU.
- The BoD prepared scopes for a call in 2021 for projects related to the “Green Deal”, normative and research potential.
- In June a draft of our proposal was published by the EC at https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme/european-partnerships-horizon-europe/candidates-digital-industry-and-space_en .

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Development - 2020



- In the Autumn, EU and EEA member state ministries were requested to indicate a commitment against all institutional partnerships.
- The total received was over 363 M€. Replies from Bulgaria and Romania, and corrections from Croatia, Slovakia and Sweden were not received by the deadline. The total including those replies and commitments from Associated States now stands at 511 M€.
- By the end of 2020 the EU budget for the next 7 years had been agreed with significant cuts on what the Commission had asked for. The budget for Horizon Europe was set at a level far below what the Commission and Parliament asked for.

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Development - 2021



- At the start of 2021, the Commission made decisions on how much of the budget would be allocated to each proposed partnership. They started from the principle that no partnership should receive more under Horizon Europe than they did in Horizon 2020. That limited their contribution to our Partnership to 300 M€. Given the large commitments indicated by the member states we were not reduced further – most other partnerships took larger cuts.

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Development - 2021



- The Commission published their proposal for the Partnership, their response to the impact assessment and a draft of the Decision on 23rd February. There were press releases from them and us, and other coms activities.
 - <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=COM:2021:89:FIN>
 - https://ec.europa.eu/commission/presscorner/detail/en/ip_21_702
 - <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52021SC0035&qid=1614677899327>
- The EC proposal was discussed in the competitiveness council on the 26th February.

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Development - 2021



- Maria da Graça Carvalho (Portuguese MEP) is the Rapporteur for the co-decision in Parliament. We know her well and could not hope for a better supporter.
- Hans Arne presented to the ITRE Committee at the end of March
- Member states were asked for detailed comments on the text of the Draft Decision – we asked them to propose changes to the way the in-kind contributions are measured and to find a way to increase the EU contribution as more states make commit to the Partnership.
- On May 5th we organised a promotional event as part of the Portuguese presidency. A great success – 177 connections for Policy Debate and 132 for Science Debate. Recordings on IPQ YouTube page, Euramet page in preparation.

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Development - 2021



- Given that the voting weight for the Partnership will not be fixed before the autumn, the BoD has established a BoD Working Group on the Partnership to allow it to consult all members on decisions it has to take on the partnership. For countries with EMPIR Committee members they should be appointed to the WG, for other countries Delegates should appoint themselves or someone else.
- The first meeting of that group occurred in March, the second was on 31st May to discuss which SRTs to recommend to the BoD. The third meeting is later this week.

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Development - 2021



- Amendments to the Commission's draft Decision are under discussion separately in Council and Parliament. In addition to our requests about adding funding from Associated Countries and In-Kind cost accounting, they include:
 - 6 extra science seats on the Steering Committee
 - Requiring 50 % of the National Contribution to be in cash!
 - Requiring the EU to fund the administration costs!
- Some of these are unacceptable to us or the Commission and are delaying the process.
- When the separate discussions are complete the Commission, Council and Parliament have a joint discussion to agree amendments - the "Trialogue".

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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 world-class 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

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The European Partnership on Metrology– Draft Specific Objectives



1. That the national contributions to the Partnership should enable the development of sustainable European Metrology Networks that provide metrological solutions for

- i. innovative technologies and
- ii. public policy and regulation for key societal challenges.

These networks should have a strong stakeholder focus and significant role in the development of the strategic research and innovation agenda for the partnership.

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The European Partnership on Metrology– Draft Specific Objectives



2. That the European Union contributions to the Partnership should fund Joint Research Projects that aim to Increase and accelerate innovation through effective use of metrology solutions, capabilities and infrastructure. With the result that an average of 50 M€ of European turnover from new or significantly improved products and services can be attributed to the Metrology Partnership and its predecessors each year.

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The European Partnership on Metrology– Draft Specific Objectives



3. That supporting activities associated with the Partnership should increase the role of metrology in design and implementation of public policy and regulation for key societal challenges. This should be demonstrated by the numbers of:

- roles on European and international policy, regulation and standards committees directly related to addressing social challenges
- contributions to European and international standards directly related to EU

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Budget Ambition – 665 M€



- 200 M€ of EU money for internal funded partners
- 100 M€ of EU money for external funded partners
- We need to demonstrate national cofunding of 365 M€ in an “auditable” way i.e. some form of Finance Statements
- In response to the cut in the EU contribution, the national cash contribution will be reduced in the ratio 300/365 i.e. become 8.2 % rather than 10 %.
- If all the corrections and expected contributions from associated countries are confirmed then the national funding becomes 511 M€ and the total value of the programme 811 M€.

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Funding Structure

National Contribution (365-511 M€)	Union Contribution (300 M€)
<p>91.8 % as in-kind contributions, demonstrated by Horizon Europe style finance statements, covering activities that:</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>20 % as funding to Joint Research Project calls in fundamental scientific metrology. Developing new capacity in measurement that drives innovation. About 37 % of this funding would be aimed at external partners so the best academic research can be brought in and applied to metrology.</p>
	<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 33 % 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>8.2 % as cash contributions. 6.5 % for the administration of the partnership and 1.7 % 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. About 25 % of this funding would be aimed at external partners.</p>

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Definition of “National Commitment”

The EURAMET logo consists of the word "EURAMET" in a bold, blue, sans-serif font. To the right of the text is a circular emblem with a blue outer ring and a white inner circle, resembling a stylized atom or a network node.

- The “National Commitment” (NC) that your ministry signs up to is a commitment to supply cash and Financial Statements covering work done supporting EURAMET priorities, over the life of the programme, totalling that value.
- Cash contribution of **0.082** * NC
- Finance statements for national funded work to value of **0.918** * NC
- The JRP income to be expected from the commitment would be **200/511** *NC i.e. **0.39** * NC.
- The Bid Limit over the life of the programme would therefore be $1.8 * 0.39 * NC$ i.e. **0.7** * NC, assuming we continue with an overbooking factor of 1.8.
- Votes in the EMPIR Committee are proportional to \sqrt{NC}

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Commitment letters



- Commitment letters to the EU are expected to be requested from EU and EEA members over the summer.
- The letter will detail the Commitment and the split between cash and in-kind commitment.
- As with EMRP and EMPIR the ministries must have a “reserve funding capability of 50 % of the amount of the commitment”.
- Acceptance of a share in the liability for the implementation of the programme will be in a separate letter signed by the Delegate (as in EMPIR).

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Commitment letters



- The cash contribution is fixed at 8.2 % and does not reduce as more states join the programme.
- At the level of Commitment already made (363 M€) this is equivalent to 10 % on 300 M€ and so provides the same cash pot as the existing programme and more than covers the administration costs of the EU funding.
- As more states associate, their cash contribution adds to the amount available for discretionary funding like mobility grants and funding EMN growth. At a total national contribution of 511 M€ this will enable 12 M€ of discretionary funding.

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What about Associated Countries?



- The Decision will allow countries that “Associate” to Horizon Europe to declare a Commitment as soon as the association comes into effect.
- Amendments currently being discussed in Council and Parliament may bring additional EU funding to the programme – but process and likelihood of this are uncertain.

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What about Associated Countries?



- Association agreements must be concluded before **Grant Signature** for beneficiaries to be eligible for funding. We will accept proposals with potential partners requesting EU funding and make the funding decisions assuming they are eligible.
- If association agreements are delayed this may delay the signature of some grant agreements.
- If delays become substantial then those partners will be converted to unfunded partners and we expect the workplan to have provisions allowing the unused funding to be carried forward to a later call.

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What about Associated Countries?

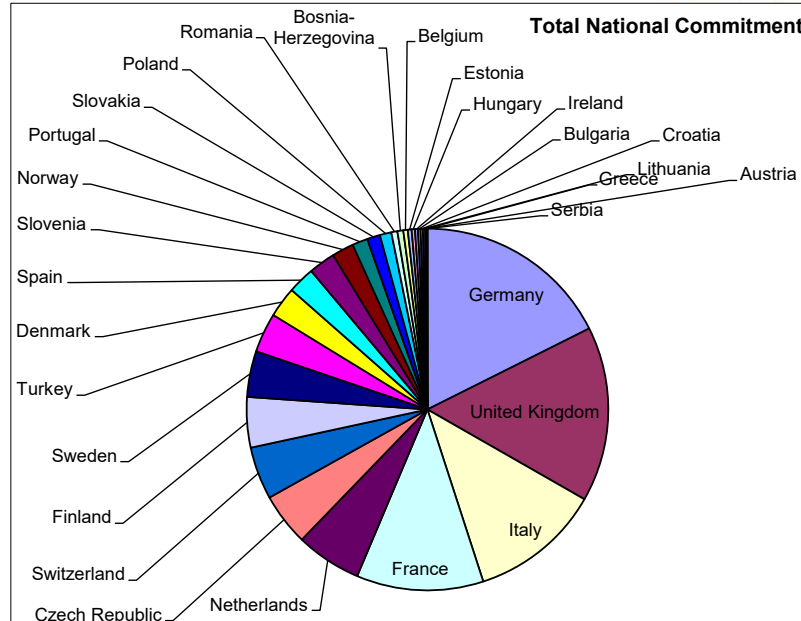


- Some association agreements are expected to be in place in the next few months. Others may take several years.
- Some members will need to be self-funded as Switzerland was at the start of EMPIR, others may be eligible to be External Funded Partners as Greece was at the start of EMPIR.
- If some associations are delayed then the Commitments from those countries are likely to decrease proportionally to the length of remaining programme and the **511** figure in the above formulae will also go down.

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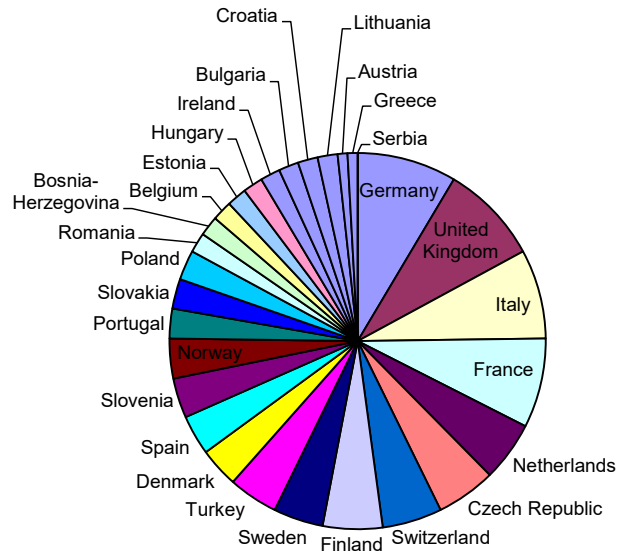
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Commitment share if all countries associate before call close



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Vote share if all countries associate before call close



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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

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Steering Group



- The EC intend to establish a Steering group of 12 members:
 - 4 from metrology stakeholders nominated by us
 - 5 from other partnerships identified by the Commission
 - Euramet Chairperson
 - One co-chair appointed by the Commission (from DG-RTD?)
 - One co-chair appointed by us from a ministry (not NMI staff)
- The group:
 - Identifies relevant emerging technologies and markets
 - Identifies relevant research areas related to Standards and Regulation
 - Advises on future priorities

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Next steps



- On 22nd June we are arranging an event at the virtual EU R&I days. Peter Dröll, the New Euramet Chair, Chair of Climate EMN and guest speaker from EFFRA will be speakers.
- Further Council meetings this week
- Vote in ITRE Committee in July?
- Trialogues in September?
- Parliament approval in October?
- **We need permission from Commission to launch 2021 call before Parliament approval.**

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Questions?



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