



Agenda item 7.2

EURAMET Report



EURAMET – The European Association of National Metrology Institutes: The Gateway to Europe’s Integrated Metrology Community

EURAMET e.V. is the European Association of National Metrology Institutes. Our members are the National Metrology Institutes (NMIs) of Europe; associated members are Designated Institutes (DIs). Our offices are located in Braunschweig, Germany and Teddington, UK. EURAMET is a non-profit association under German law and responsible for the tasks as Regional Metrology Organisation of Europe.

Mission

EURAMET’s mission is to develop and disseminate an integrated and cost effective measurement infrastructure for Europe taking into account the needs of end users in industry, academia and government. Our goal is to ensure that the European measurement infrastructure is internationally competitive and recognised, is based on robust and excellent science and through collaboration is able to support our members in meeting their national requirements.

The services and research programmes EURAMET provide contribute to harmonisation and innovation in metrology to advance areas such as industrial competitiveness, health and quality for life, sustainability, international trade, regulation, and European integration.

Network

EURAMET brings together world-leading capabilities from metrology laboratories across Europe. Our strong network, currently consisting of 37 members (European National Metrology Institutes) and 77 associates (the IRMM (EC) and 76 Designated Institutes) and various partner organisations (such as international organisations) enables stakeholders to profit on a national, European and worldwide level.

Our members provide measurement services in:

- Acoustics, ultrasound and vibration
- Electricity and magnetism
- Flow
- Ionising radiation
- Length
- Mass and related quantities
- Metrology in chemistry
- Photometry and radiometry
- Thermometry
- Time and frequency

Services

EURAMET coordinates, on behalf of its members, the activities to support the international recognition of National Measurement Standards and related Calibration and Measurement Capabilities (CIPM MRA) and facilitates collaboration among members in the areas of research, traceability, facilities and other measurement-related activities.

Cooperation in national measurement standards:

- Facilitating traceability to the International System of Units SI
- Supporting International recognition via the CIPM MRA

Cooperation in research & development in metrology:

- Supporting the research projects of Technical Committees
- Implementing European Metrology Research Programmes

Infrastructural support and knowledge transfer:

- Facilitating national metrology infrastructure development
- Cooperation with the European Commission in development programmes

Policy advice, liaison activities and awareness raising:

- Cooperation with European organisations in quality infrastructure such as standardisation
- Strengthening links to the European Commission
- Supporting, attending and organising metrology congresses and symposia

Legal Metrology

Besides scientific and industrial metrology, many EURAMET member NMIs also have the responsibility for legal metrology. WELMEC, the European Cooperation in Legal Metrology, whose principle aim is to establish a harmonised and consistent approach to European legal metrology is, therefore an important partner organisation. EURAMET and WELMEC work together on topics such as: the development of guidance documents, the exchange of expertise for efficient execution of metrological projects and the arrangement of pertinent activities including conferences, seminars, workshops, training courses, etc.

European Metrology Research Programmes

EURAMET is responsible for the development and implementation of two European metrology research programmes, EMRP and EMPIR, with more than 100 running joint research projects in progress.

The programmes, jointly funded by the participating EURAMET member countries and the European Union, support the research collaboration of European metrology institutes, industrial organisations and academia thereby increasing research impact and reducing duplication of work. Areas covered by the metrology programmes are:

- Fundamental scientific
- Grand challenges incl. Energy, Environment and Health
- Industrial Innovation
- Technology-transfer projects
- R&D for standardization
- R&D for measurement capabilities
- Capacity building projects.

EURAMET Organisation

EURAMET is legally represented by a Chairperson and two Vice-Chairpersons. Governance, development and implementation of the strategy are managed by the Board of Directors.



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The General Assembly is the highest authority and decision making body of EURAMET. Each member is represented by a Delegate.

The tasks of the 12 Technical Committees are coordinated with the aim of facilitating the traceability of measurements, coordination of interlaboratory comparisons, coordination of research projects and consultation between members.

The EMPIR Committee is the decision making body for all matters concerning the execution of the Metrology Research Programmes.

EURAMET is happy to count on the support of its own Research Council. It is the advisory board in matters related to the Metrology Research Programmes. It is composed by representatives from stakeholders in research and politics.

The EURAMET Secretariat and the Management Support Unit (MSU) are permanent bodies responsible for management of EURAMET and the implementation of the Metrology Research Programmes respectively.