

WHAT IS METROLOGY?

Metrology is the science of measurement. Measurements play a critical role in virtually all areas of human life: from consumer protection, trade, industrial production and processing in areas such as energy, environment, health, security, communications and transport. Metrology is a key enabling tool for fundamental research and innovation. The availability of accurate and reliable measurement is essential for industry, science, policy and everyday life.

WHO WE ARE

EURAMET e.V. is the European Association of National Metrology Institutes. Our members are the National Metrology Institutes of Europe; associated members are Designated Institutes. 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.

OUR MISSION

Our mission is to develop and disseminate an appropriate, integrated and cost effective measurement infrastructure for Europe taking into account the needs of society and end users in industry, business and government. It is our goal to ensure that the European measurement infrastructure is internationally competitive and recognised, and is based on robust and high quality science and Research & Development. We support our members in meeting their national requirements through collaboration and a balanced European measurement infrastructure.

OUR CONTRIBUTION

With our services and research programmes we contribute to harmonisation and innovation in metrology to foster areas such as industrial competitiveness, health and quality for life, sustainability, international trade, regulation and European integration.

OUR NETWORK

Stakeholders profit from our strong network of National Metrology Institutes, Designated Institutes and partner organisations on national, European and worldwide level.

EURAMET brings together world-leading capabilities from metrology laboratories across Europe.

Members of our network 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



For your benefit

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OUR SERVICES

EURAMET coordinates the activities supporting the international recognition of National Measurement Standards and related Calibration and Measurement Capabilities under the CIPM MRA on behalf of its members and fosters a spirit of 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 Metrology Research & Development

- Supporting 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, 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

OUR EUROPEAN METROLOGY RESEARCH PROGRAMMES

EURAMET is responsible for the development and implementation of two European Metrology Research Programmes, EMRP and EMPIR. These programmes have more than 100 joint research projects running to date.

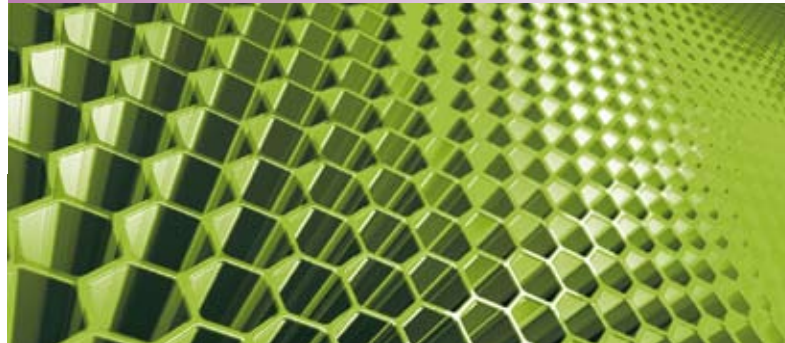
The programmes support the research collaboration of European metrology institutes, industrial organisations and academia. This cooperation increases research impact and reduces duplication of work.

The programmes are jointly funded by the participating EURAMET member countries and the European Union.

Areas covered by the programmes

- Grand Challenges: Health, Environment, Energy
- Industry Innovation
- New Technologies
- SI & Fundamental Research
- Capacity Building
- Pre- and Co-normative Research

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Key societal challenges such as sustainability of energy, environment and health demand new and reliable measurement technology with traceability that has to be accepted worldwide.

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The gateway to Europe's integrated metrology community



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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