



## Develop and grow your institute using EURAMET's Capacity Building Programme

- >> Take part in our training courses
- >> Research abroad
- >> Take part in metrology research projects

## 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. EURAMET is a non-profit association under German law and responsible for the tasks as the Regional Metrology Organisation of Europe. 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.

## Our Capacity Building Programme

EURAMET assists all members, especially new and emerging ones, in the development of their national **metrology infrastructure** and their integration in an European metrology landscape that is coherent, efficient and sustainable.

This is done through:

- Human and Institutional Capacity Building (HI-CB) trainings
- Researcher Mobility Grants (RMG)
- EMPIR Research Potential Projects (RPT)

## Working Group for Capacity Building

Capacity Building within EURAMET is coordinated by a Working Group accountable to the Board of Directors. The objective of the group is to underpin the vision of a coherent, efficient, sustainable and integrated European metrology network by assisting all EURAMET members, especially new and emerging ones, in the development of their national metrology infrastructure.

Learn more at <https://www.euramet.org/bod-working-group-for-capacity-building>

## For details contact:

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## Take part in our training courses!

>> Training courses tailor-made for your needs

Human and Institutional Capacity Building aims to develop an NMI's or DI's expertise and competence through knowledge transfer and training courses organised by EURAMET. The training schedule is developed based on requirements of the metrology community. Training courses are hosted and delivered by technical experts from EURAMET members.

The training courses are related to:

- Specific technical topics, for example calibration and measurement uncertainty
- Administration of metrology systems, for example CIPM MRA requirements and NMI management
- European Metrology Research Programmes, for example drafting proposals, reporting and finance

Upcoming training courses can be found at <https://www.euramet.org/trainingcourses>



## Apply for our Researcher Mobility Grants!

>> Research abroad between 1 and 18 months

The aim of the Researcher Mobility Grant (RMG) is to increase the capabilities of the European metrology researcher community by enabling mobility between NMIs and DIs. An RMG provides financial support for a researcher at any stage of their career to undertake research activities relevant to the objectives of a joint research project.



The RMG provides a platform for researchers to learn and develop as scientists and be part of the EURAMET community, for the home institutions to improve their capacity in metrology and for the EMPIR project to extend its research objectives.

The research must be undertaken at a guestworking organisation, which is an internal funded JRP-Partner located in a different country to the researcher's employer. Researchers receive reasonable allowances for covering cost of travel and their stay at the host institution. The duration of a Researcher Mobility Grant is between 1 and 18 months.

## Take part in Research Potential Projects!

>> Develop new metrological capabilities

Research Potential Projects aim to support the participating organisations to develop basic levels of metrological research expertise. Successful participation will provide input to all aspects of research and prepares for future participation in Joint Research Projects.

Research Potential Projects must have a European dimension, address strategic goals, be demand oriented, and focus on EURAMET's internal infrastructure to provide internal knowledge transfer to emerging members. Projects are based on coordinated collaboration to develop new metrological capabilities and must demonstrate significant impact to the European quality infrastructure.

Research Potential Projects do not need to address fundamental scientific challenges but they should include research and development activities. An important element is the collaboration of at least two NMIs / DIs that are less experienced in a relevant field with NMIs / DIs with greater experience. The research potential developed within a project should have a practical implementation.



## Participants opinions

*"I have participated in numerous EURAMET training sessions, workshops and interlaboratory comparisons that have had a tremendous impact on the Montenegrin metrology system. Full membership in EURAMET was followed by the acceptance of our quality management system, publication of Calibration and Measurement Capabilities and accreditation of laboratories. Training courses such as strategic management or approaching media were incredible to experience and a great opportunity to share ideas and prepare new activities."*

**Vanja Asanović, Director of MBM (Montenegro)**

*"During my Researcher Mobility Grant at SMD (Belgium) I was working on the development of a numerical model to determine the influence of meteorological screens on errors in air temperature measurement. I am grateful for the opportunity to work with many great colleagues. The knowledge and experience gained is very useful for my work in other EMPIR projects and for giving lectures at university."*

**Danijel Šestan, Researcher at HMI (Croatia)**

*"During the projects on metrology for climate, we included five researchers via Researcher Mobility Grants. The RMGs allowed them to gain experience in a new area, work in advanced laboratories and be involved in the project activities. The project benefited from their additional work: more detailed data analysis, high quality modelling and investigating further aspects of the project's deliverables. It was a very positive experience."*

**Andrea Merlone, INRIM (Italy) and JRP-Coordinator**

*"The first Research Potential Project at IMBiH (Bosnia and Herzegovina) has been very well accepted and it was a great experience being the coordinator and enhancing my personal skills in project management. It is a pleasure to work with experienced scientists and to develop new measurement techniques. I hope my example serves as motivation for other researchers to become project coordinators."*

**Nedžadeta Hodžić, IMBiH (Bosnia and Herzegovina) and RPT-Coordinator**

## EURAMET Capacity Building in a nutshell

- Staff of all EURAMET members and associates are eligible to participate in capacity building activities
- Available funding for Human and Institutional Capacity Building (HI-CB) activities and Researcher Mobility Grants (RMG) is about 250 000 Euro per year
- Annual RMG funding enables about 100 people-months of research per call
- Research Potential Projects (RPT) of calls 2014, 2015 and 2016 received about 5.7 million Euro of EU funding
- Available funding for RPT projects is between 1.6 and 2.6 million Euro per year, with a maximum EU funding of 500 000 Euro per project
- In 2016 and 2017 an average of 19 participants attended the EURAMET training courses
- The number of countries participating in HI-CB training courses increased from 10 to more than 30 in 2017 with a tendency of further growth
- Typical durations: 3 days for a training course, 3 months for a Researcher Mobility Grant, 3 years for a Research Potential Project

### As a direct result of capacity building activities

- Four associate members became full EURAMET members
- A number of NMIs have had their first CMCs published in the BIPM key comparison database (KCDB)
- The quality management systems of various NMIs have been approved by EURAMET's Technical Committee for Quality
- Several NMIs have developed their national metrology strategies
- Some NMIs started piloting EURAMET comparisons and hosted trainings
- Almost all emerging NMIs started participating in joint research projects
- An emerging NMI became RPT coordinator

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