



1. General Aspects

The Technical Committee for Interdisciplinary Metrology (TC-IM) provides a forum for issues which cut across the fields of the other technical committees but are not sector specific such that they would fall into the domain of one of the European Metrology Networks (EMN). In the past it has had an emphasis on issues arising from the CIPM-MRA and it still performs this role. But as the MRA is now more mature there is less need in this area and TC-IM has changed its focus so our main current interest is in the issues associated with digitalization. This is a specialized area so we rely heavily on the expertise of our Working Group 'Metrology for Digital Transformation' (WGM4D).

TC-IM has representatives from 32 of the 39 members of EURAMET as well as an observer from Kazakhstan.

2. Projects

The projects currently being run by TC-IM are:

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| IM 1561 | Comparisons as continuously evolving bilateral comparisons
The project is exploring the feasibility of a network-based scheme for key comparisons (KCs). |
| IM 1551 | Challenges and opportunities in sensor network metrology
The aim of the project is to foster the development of a sensor network metrology in EURAMET. |
| IM 1548 | Early career training and development in metrology
The project supports, promotes and extends the PhD and postgraduate activities in metrology training of the EURAMET member countries. |
| IM 1543 | Calibration Guides for accredited laboratories in EURAMET member countries
Supports the development and provision of calibration guidelines in EURAMET member countries. |
| IM 1449 | Research data management in European metrology
The goal of this project is to foster the development of harmonised practices for research data management (RDM) of metrological data and services. |
| IM 1448 | Development of Digital Calibration Certificates
The goal of this project is to foster the development of harmonised digital calibration certificates (DCC) at national metrology institutes and calibration laboratories. |
| IM 1374 | Metrology in Short 4th edition
The project aims to update the earlier publication |

3. Comparisons

Not applicable

4. CMCs

Not applicable

5. Activities of the Working Group on Metrology for Digital Transformation WGM4D

WGM4D acts as the Digital advisor to EURAMET. It was originally led by Sacha Eichstaedt (PTB), to whom we are grateful for his work in establishing the group and his continued contributions. The current convenor is Louise Wright (NPL). The Group has monthly virtual meetings attended by representatives from an increasing number of NMI/DIs. It oversees the progress on the TC's digital projects and, often through overlapping memberships keeps us in touch with activity related to digitalisation from other bodies, e.g. CIPM, OIML, WELMEC.

6. Participation in EMPIR/The Partnership

TC-IM is not directly involved but some of our projects have contributed to the programme calls.

7. Capacity Building: Activities of the last year and future needs

The TC-IM project on Early Career Training will contribute to capacity building through the development of skills. The TC-also initiated work on e-training which has led to a wider involvement of EURAMET contributing to the training portal hosted by the BIPM website.

8. Meetings

The 28th TC-IM meeting was held at CMI, Prague, and on-line 15/16 March with 42 participants.

9. Issues

It was noted that a shortage of resources in the EURAMET Secretariat was limiting or delaying some activities, e.g. publication of Metrology in Short, development of database and respective update mechanism of webpages for early career training. The former is being resolved through a secondment into the Secretariat. Solutions to the latter are being considered because of the cost implications.

10. Strategic Planning

The meeting considered what areas TC-IM should start to look at in future, perhaps to support the case for a successor programme to The Partnership or to help deliver world-leading metrology if there is no successor programme. The topic of support for regulation was suggested and a sub-group was formed to consider this further.

11. Outlook for 2023/2024

The current projects will remain active with, hopefully, the completion of IM 1374.

