

European Partnership on Metrology Decision (EU) 2021/2084

FINANCIAL FRAMEWORK PARTNERSHIP AGREEMENT 2021/METROLOGY/01

**European Partnership on Metrology ANNUAL REPORT
2024 – Part E
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Glossary

| | |
|-------|--|
| BIPM | International Bureau of Weights and Measures |
| CGPM | General Conference on Weights and Measures |
| CIPM | International Committee for Weights and Measures |
| CMC | Calibration and Measurement Capability |
| DI | Designated Institute |
| EMN | European Metrology Network |
| EMPIR | European Metrology Programme for Innovation and Research |
| EU | European Union |
| FTE | Full-Time Equivalent |
| MRA | Mutual Recognition Arrangement |
| NMI | National Metrology Institute |
| PRT | Potential Research Topic |
| QMS | Quality Management System |
| TC | EURAMET Technical Committee |
| TC-Q | EURAMET Technical Committee on Quality |

1 Implementation of the cofunding activities described in the annual work programme and the resulting activities

1.1 The scope of National cofunding activities

As laid out in the Cofunding Reporting Strategy approved by the Metrology Partnership Committee according to relevant provisions of Decision (EU) 2021/2084, activities whose costs count toward national cofunding of the Partnership are those performed by NMIs and DIs that are funded from national resources, i.e. governmental and other public funding agencies, which can be related to the subject areas and priorities of at least one EURAMET European Metrology Network (EMN) or Technical Committee (TC), including activities that support the delivery of calibrations and other services traceable to the International System of Units. The strategy mandates Participating States to submit an annual report of their cofunding activities and their costs. Reportable activities fall under the three types of ‘Capability Maintenance’, ‘Research’, and ‘Knowledge Transfer’. This division of activities into types is reflected in the structure of the technical cofunding report. The three types of activities are further divided into subtypes to guide reporting institutions as to which specific activities may be included in the report.

Activities eligible to be counted as cofunding activities under each type and subtype include:

| Capability Maintenance | |
|--|--|
| Maintenance of National Standards | <p>Any technical and administrative activities that could be reasonably linked to the necessity to maintain established national measurement standards:</p> <ul style="list-style-type: none"> - Routine repair and maintenance activities on standards, equipment, and systems - Activities aimed at upgrading national standards - Routine activities (internal & external calibrations, for example) to maintain traceability of standards |
| Key & Supplementary Comparisons | <p>Any activities linked to participation in international key and supplementary comparisons:</p> <ul style="list-style-type: none"> - Preparation of comparison protocols - Preparation of measurement standards for participation in comparisons - Comparison measurements - Measurement data analysis and reporting - Preparation of comparison reports |
| QMS Activities | <p>Activities involving the establishment, maintenance, implementation, and improvement of a Quality Management System (QMS) compliant with CIPM MRA requirements:</p> <ul style="list-style-type: none"> - Preparation/revision of QMS documentation - Internal audits - Preparation for accreditation / peer reviews - Drafting annual reports for EURAMET TC-Q - Internal training on QMS |
| Other Metre Convention / CIPM MRA Activities | <p>Activities other than key and supplementary comparisons and QMS activities that are related to the participation in / implementation of the Metre Convention and CIPM MRA:</p> <ul style="list-style-type: none"> - Preparation for and drafting of CMC declarations - CMC reviews - Participation in CIPM Consultative Committee meetings and activities - Participation in the CGPM and other CIPM/BIPM organised meetings and activities |

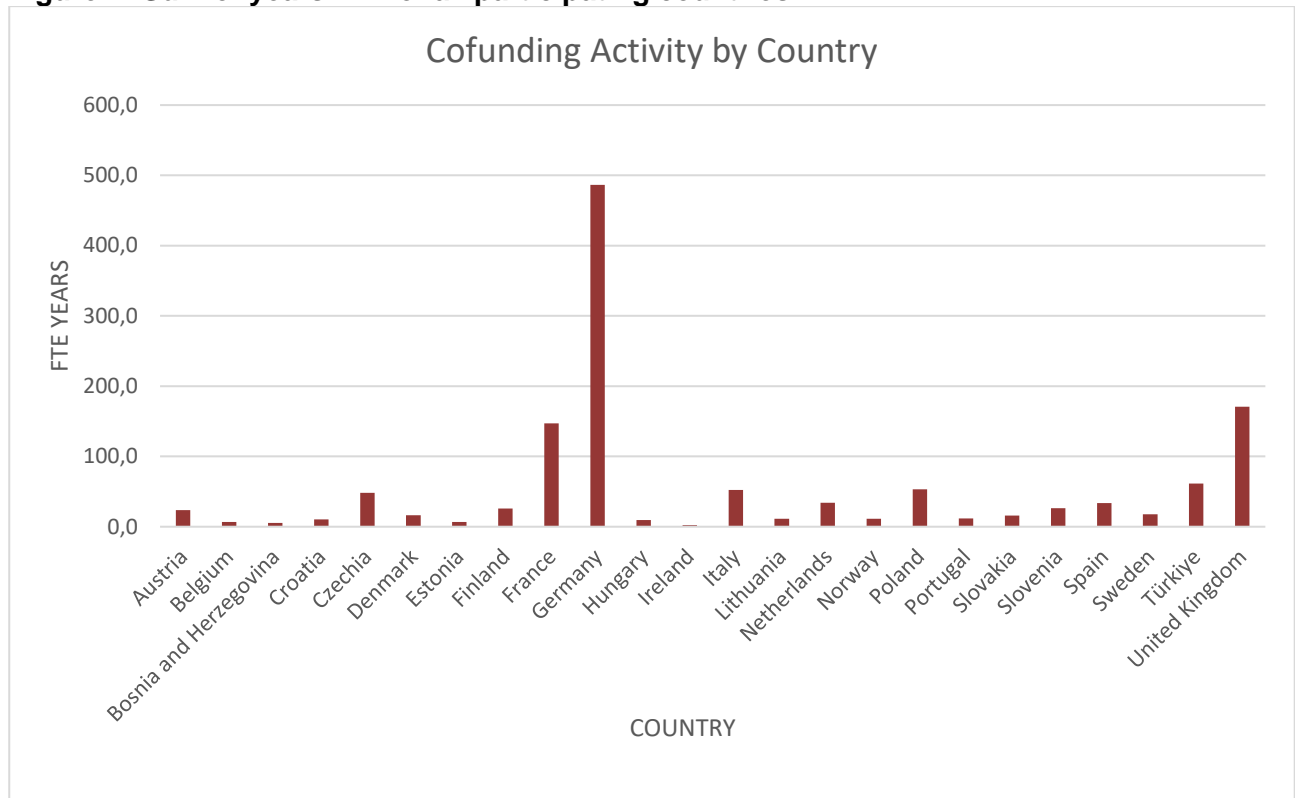
| Capability Maintenance | |
|---|---|
| Staff Training | Preparation for and implementation of internal staff training aimed at sustaining and improving the proficiency of employed staff in the performance of their duties in service of core NMI/DI activities. |
| Strategic Planning Activities | Activities aimed at drafting, revising and implementing strategic plans aimed at sustaining institutional viability and development |
| Research | |
| Nationally Funded Research | Research activities in metrology funded from institutional, national government or other national public resources that are aligned with the strategic research agendas of EURAMET EMNs. This can include activities at all stages of the project cycle from development of the project proposal to termination. |
| New Measurement Standard & Infrastructure Development | Nationally funded research and development activities specifically focused on development of new measurement standards and associated equipment, systems, methods, etc, and new metrology infrastructure. |
| Partnership PRT and Proposal Development | Activities to develop and draft Potential Research Topics (PRT) and Joint Research Project proposals for the Partnership, including participation in Partnering Meetings and Review Conference. |
| Knowledge Transfer | |
| Accreditation Activities | Participation in and contributions to the activities of national, regional, and international accreditation bodies. |
| Standardisation Activities | Participation in and contributions to the activities of national, regional, and international standardisation bodies. |
| Conference/Seminar/Workshops | Organisation and participation by staff in scientific conferences, seminars, and workshops. |
| Non-commercial Consulting & Training | Consulting and training activities (other than staff training) which do not have a commercial purpose, funded from public and/or national resources. |
| Public Communications | Public communication activities aimed at raising awareness and sharing knowledge on metrology and institutional activities, such as: <ul style="list-style-type: none"> - Preparation and publication of annual reports - Public communication campaigns to raise awareness of issues related to metrology - Open house events for the public - Activities aimed at students at any level |
| Stakeholder Events | Organisation of events (workshops, seminars, conferences, etc.) aimed at sharing knowledge with institutional stakeholders. |
| EMN Meetings & Activities | Organisation of, participation, and contributions to EMN meetings and activities. |
| TC Meetings & Activities | Organisation of, participation and contributions to TC meetings and activities. |
| Representation | Institutional representation activities not covered by any of the above. This could include participation to EURAMET General Assembly, to meetings and activities of other national, regional, and international bodies. |

No activities funded within the Joint Research Projects and Joint Network Projects of the Partnership or EMPIR, other Horizon Europe projects, or by commercial clients may be counted as cofunding activities.

1.2 Demonstration of FTE activities

For the year 2024, 24 participating states reported cofunding activities:

Figure 1: Sum of years FTE of all participating countries.



1.3 Activities breakdown by EMNs and TCs

EURAMET currently has 12 TCs and 12 approved EMNs.

Figure 2: Sum of FTE years per EMN and TC

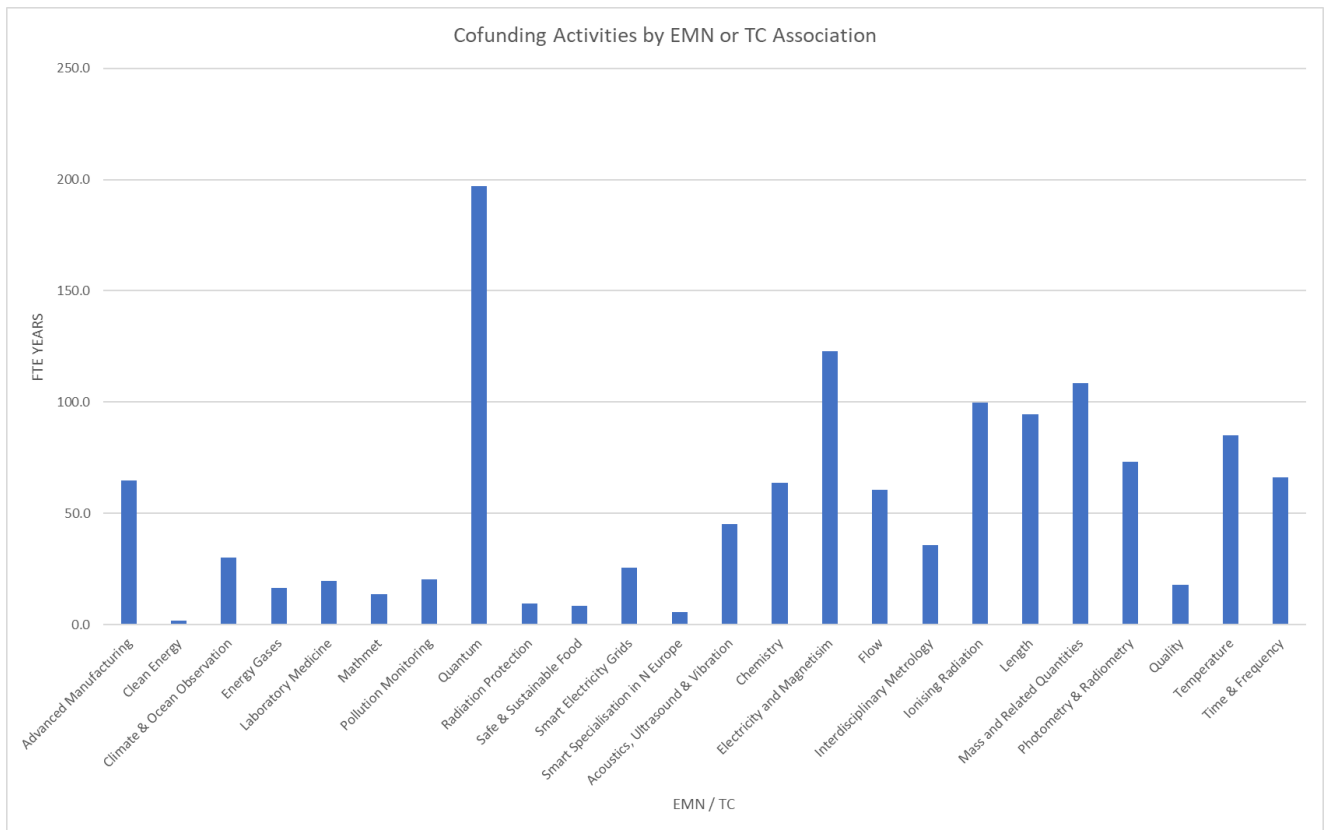


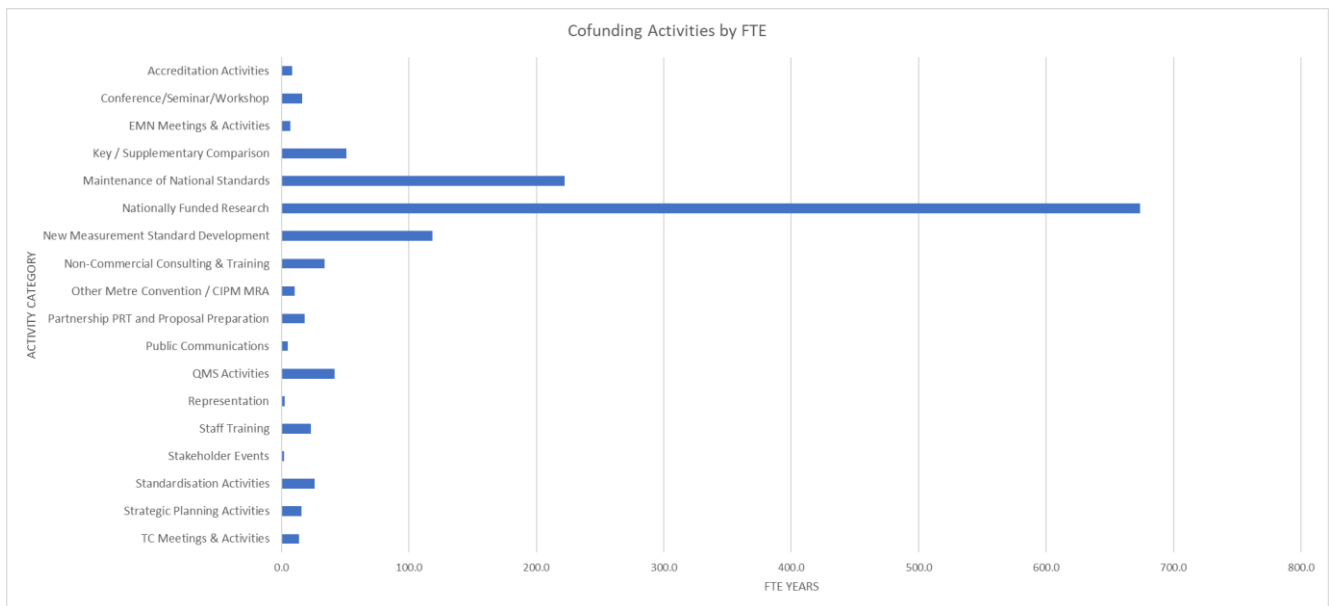
Table 1: Cofunding activities by EMN and TC in FTE years reported for 2024

| category | name | FTE Years |
|-----------------|-----------------------------------|------------------|
| EMN | Advanced Manufacturing | 65.0 |
| EMN | Clean Energy | 2.0 |
| EMN | Climate & Ocean Observation | 30.0 |
| EMN | Energy Gases | 16.5 |
| EMN | Laboratory Medicine | 19.7 |
| EMN | Mathmet | 13.6 |
| EMN | Pollution Monitoring | 20.4 |
| EMN | Quantum | 197.1 |
| EMN | Radiation Protection | 9.5 |
| EMN | Safe & Sustainable Food | 8.4 |
| EMN | Smart Electricity Grids | 25.7 |
| EMN | Smart Specialisation in N Europe | 5.8 |
| TC | Acoustics, Ultrasound & Vibration | 45.1 |
| TC | Chemistry | 63.8 |
| TC | Electricity and Magnetisim | 122.8 |
| TC | Flow | 60.7 |
| TC | Interdisciplinary Metrology | 35.7 |
| TC | Ionising Radiation | 99.8 |
| TC | Length | 94.7 |
| TC | Mass and Related Quantities | 108.6 |
| TC | Photometry & Radiometry | 73.2 |
| TC | Quality | 18.0 |
| TC | Temperature | 85.0 |
| TC | Time & Frequency | 66.3 |
| | Grand Total | 1287.6 |

1.4 Activities breakdown per subcategory

The table includes all reported FTE years per mentioned subcategories within the three main categories of Capability Maintenance, Research and Knowledge Transfer.

Figure 3: Activities per subcategories in FTEs.



1.5 Overall breakdown by type of activity reported by country

Figure 4: Breakdown by type of activity reported by country.

