# Forum Mission

CIPM TG-DIG

**To advise the CIPM on the SI Digital Framework and the wider implications of the global digital transformation for metrology and for the international Quality Infrastructure including:**

- **the adoption of the FAIR principles** (Findable, Accessible, Interoperable, and Reusable) for digital metrological data and metadata, ensuring that other communities recognize the critical importance of metrological traceability for measurement data, the latter being an established requisite for building trust,
- **providing metrological input/thinking to increase confidence in areas impacted by the digital revolution including, but not limited to, examples such as:**
  - systems metrology
  - trusted AI
  - the reproducibility of research results,
- **the creation of the authoritative digital reference for core SI information,**
- **the digital transformation of services and products offered by the BIPM,**
- **the implications of digital transformation on the operation of the CIPM-MRA including, but not limited to:**
  - implementing the SI Digital Framework
  - digital calibration certificates
  - data integrity and authenticity (e.g., digital signatures) of data for metrology and metrological services
  - relevant services and infrastructure in digital metrology

**To harmonize internal processes related to digitalization between NMIs, CCs, RMOs, and BIPM headquarters.**

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**To harmonize internal processes related to digitalization between NMIs, CCs, RMOs, and BIPM headquarters.**

**To act as a forum to exchange information and to create synergies and opportunities for collaboration in this field, including, but not limited to, liaison with International QI Organizations, relevant International Organizations, international Science organizations, relevant industry associations, and further relevant stakeholders in digitalization.**

# Forum Structure

CIPM TG-DIG

**Members:**
- Chair: Member of the CIPM
- Vice Chair
- One representative of NMIs with up to two digitalization experts
- Further CIPM Members

**Ex Officio:**
- Director of the BIPM Headquarters

**50 +**

**Observers:**
- Representatives of NMIs

**Guests:**
- Digitalization Representative of the CCs
- Digitalization Representative of the RMOs
- Digitalization experts from other Organizations as needed.

**Liaisons:**
- Digitalization Representative of the international QI Organizations: OIML, ISO, IEC, ILAC, …
- Digitalization Representative of international Science: CODATA, GO FAIR, IUPAP, IUPAC, …
- Digitalization Representatives of other associations: IMEKO, NSCLI, ….
- Digitalization Representatives of WHO, WTO, IAEA, ….
- Representatives of unit representation systems: QUDT, UCUM, …

# Forum Structure

CIPM TG-DIG

**Strategy or Steering Group** (ca 10)

- Chair, VC, ES
- working group chairs
- leading representatives for digitalization of international QI organizations

**Working Groups** with their individual TORs (examples)

- WG on the **SI Digital Framework for the harmonization of metadata formats**
- WG on **harmonization work between CCs, RMOs, and the BIPM**
- WG on **Digital Calibration Certificates** (DCC)
- WG on **industrial needs**
- WG on **scientific needs**