FORUM ON METROLOGY AND DIGITALIZATION (FORUM-MD)

The FORUM-MD **advises the CIPM** on the **SI Digital Framework** and the wider implications of the global digital transformation for metrology and for the international Quality Infrastructure.

This includes **harmonization of internal processes** related to digitalization challenges. It acts as a **forum to exchange information, provides guidance** and allows NMIs, CCs, RMOs, and BIPM headquarters **to align** on this shared venture. It also **creates synergies and opportunities for collaboration** among relevant international organizations, **shaping the next generation of digital metrology**.

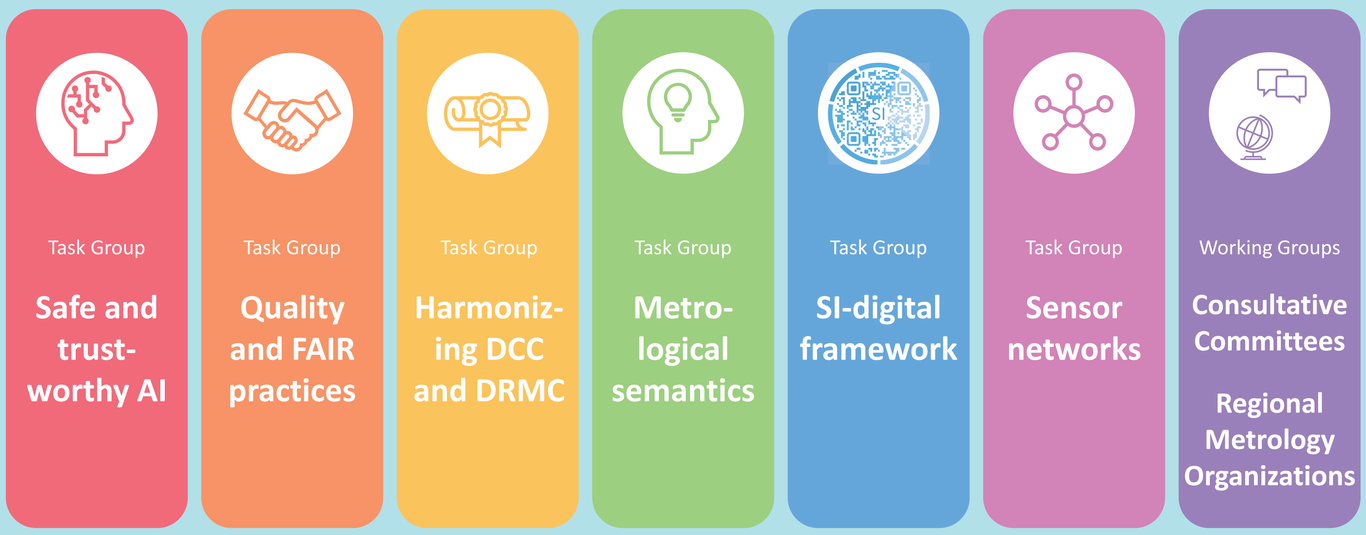
IMPACT

Digitalization touches every corner of metrology. FORUM-MD is uniting key metrological stakeholders thereby driving innovation, strengthening industrial competitiveness and creating value for society. **Today, tomorrow. Worldwide.**

KEY ACHIEVEMENTS SINCE 2022

Establishment of a strategic powerhouse for digital metrology

Since 2022, CIPM has laid the foundations for the first horizontal, multidisciplinary global platform for digital metrology. Launched in 2024, FORUM-MD advances an **SI-based digital reference framework**, promotes the **implementation of digital certificates**, and **supports FAIR principles in metrological data**, thus strengthening trust in the digital transformation.

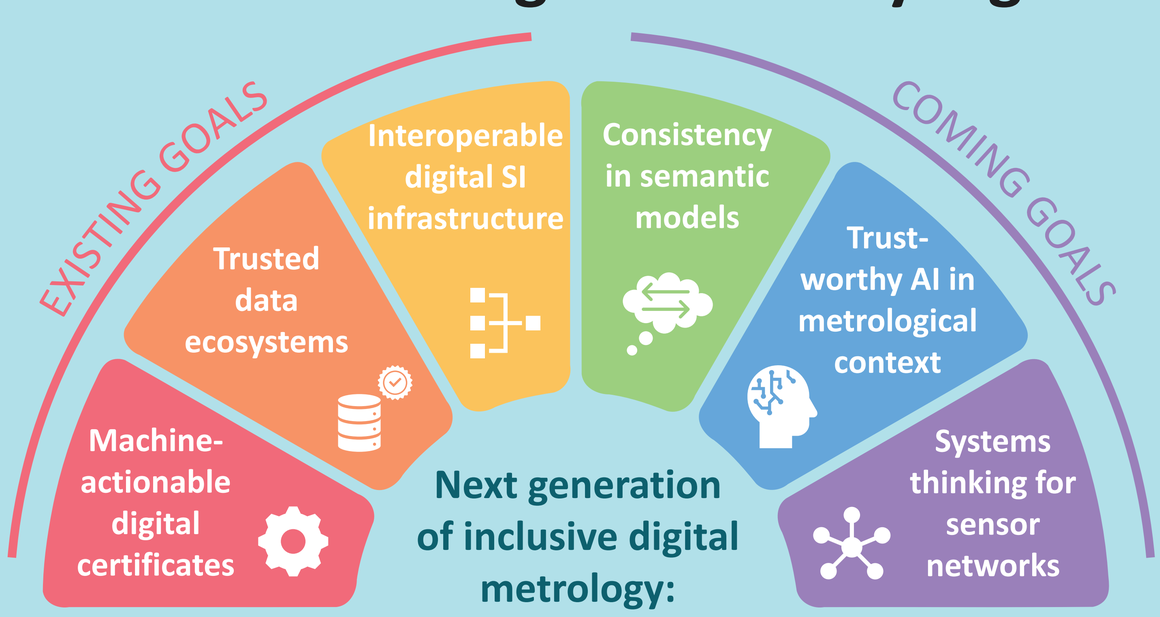


Strategic groups turn FORUM MD's mission into action, pilots and guidance

Addressing evolving needs

By convening international experts and stakeholders in annual workshops across communities, FORUM-MD accelerates innovation in digital metrology. Based on current successes, it will **advance machine-actionable metrological information, strengthen understanding of interconnected sensor systems**, and foster the **adoption of artificial intelligence in metrological contexts**.

Ensuring trustworthy digital metrology for industry and society



Through its thematic groups, FORUM-MD connects a global network of stakeholders united in advancing the digital transformation of metrology. In support of CGPM Resolution E, it develops **interoperable SI-based digital infrastructures**, advances **semantic consistency**, and creates **trust in data ecosystems**. By fostering **trustworthy artificial intelligence and systems thinking**, FORUM-MD provides **strategic leadership,** championing future digital metrology.