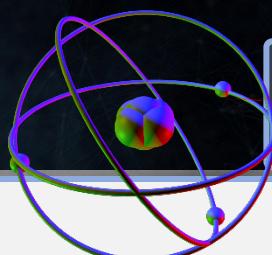


Metrology for Quantum Communication: results and perspectives in the context of the EURAMET European Metrology Network for Quantum Technologies



The European Metrology Network for Quantum Technologies (EMN-Q) provides active coordination of European measurement science research to maintain competitiveness in the field of QT.

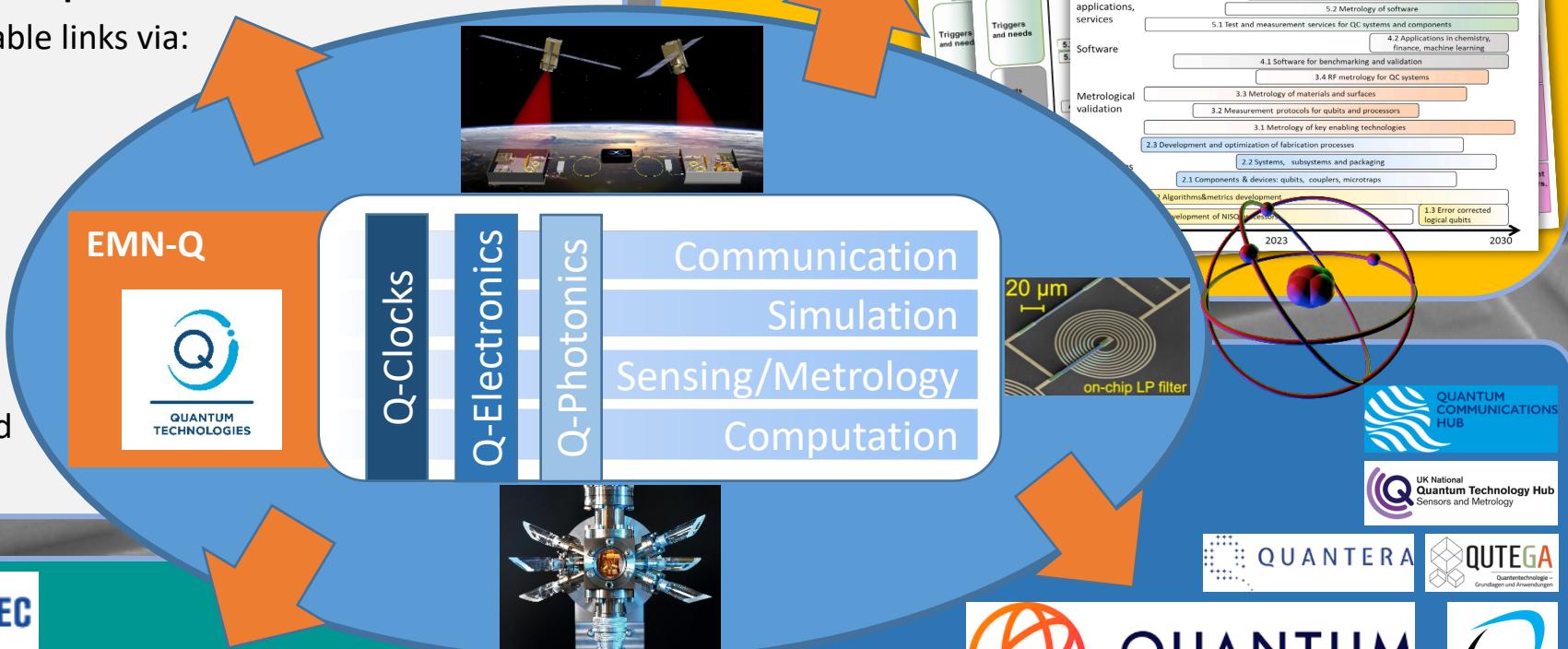
Smart specialization

Plan for a sustainable EU metrology infrastructure for QT
[Survey of facilities, coordination strategies]

Relevant quantum Industrial needs

Developing stable links via:

- User Groups
- Workshops
- Forum
- EMN-Q Stakeholder Advisory Board



Standardization and certification processes

- Participation to standardization meetings
- contributions in writing standardization documents

IMPACT

Our ability to manipulate quantum effects [...] is now paving the way for a **second quantum revolution** [...]. The future markets for *q-techies* are going to be at least as significant as current ICT markets. [...] Near-term technologies could be available within 5 years, notably for sensing, metrology, imaging and communication. Otherwise the anticipated time frame is 10 to 15 years and beyond." [1]

The EMN-Q aims to coordinate cutting-edge research activities in the context of all these R&D *q-techies*, and the development of the necessary metrological infrastructure for quantum devices.

[1] <https://ec.europa.eu/digital-single-market/en/news/european-commission-will-launch-eu1-billion-quantum-technologies-flagship>

CONTACTS

