

Quantum Verticals Exchange (QVX) Day

For Validation, Metrology and Standards Organisations

Where Europe's quantum applications meet the technologies enabling them – and the ecosystem that helps them grow.

The **Quantum Verticals Exchange (QVX) Day** is a new European forum held alongside **EQTC 2026** that brings together organisations developing quantum applications and use cases, the technology providers enabling them, and the wider ecosystem that supports their evolution.

As the inaugural edition, QVX Day aims to establish a recurring European forum where users, technology providers, buyers, funders, validation organisations and standards actors can exchange perspectives, showcase progress, identify opportunities and build new collaborations.

QVX Day recognises that quantum technologies and applications are progressing at different rates across **Quantum Computing and Simulation, Quantum Communication, Quantum Sensing and Quantum Metrology**. Some applications are already being demonstrated, while many others remain at earlier stages of development. The objective is not to oversell technology maturity, but to provide a forum where Europe's quantum ecosystem can learn from one another and help shape what comes next.

Your role in Europe's quantum ecosystem

Validation organisations, metrology institutes and standards actors help build confidence in emerging quantum technologies and applications.

As quantum technologies move from research towards practical implementation, trusted methods for **measurement, testing, verification, benchmarking, interoperability and standardisation** become increasingly important.

Whether your organisation develops standards, provides testing and certification services, operates validation facilities or advances measurement science, your expertise helps ensure that quantum applications and use cases are reliable, comparable and fit for real-world deployment.

Why participate?

QVX Day provides an opportunity to:

- Understand emerging quantum applications and use cases
- Learn where validation, testing and measurement capabilities are most needed

- Engage directly with users developing new applications
- Exchange with technology providers on performance and interoperability
- Better understand buyer expectations and future deployment requirements
- Identify opportunities for collaboration across the European quantum ecosystem
- Contribute to future validation, benchmarking and standards development

Whether your organisation supports research, deployment or standardisation, QVX Day provides valuable insight into the evolving needs of Europe's quantum community.

Supporting trusted adoption

As quantum technologies mature, confidence in their performance becomes increasingly important.

QVX Day provides an opportunity to understand:

- Emerging validation requirements across different technology domains
- Methodologies and challenges for reference measurement and benchmarking
- Interoperability needs between technologies and applications
- Opportunities for testing, certification and verification
- Future priorities for standards development
- Collaborate with users, technology providers and public-sector organisations

Through these discussions, validation organisations and standards actors can help ensure that Europe's quantum ecosystem develops on robust technical foundations.

Matchmaking and ecosystem exchange

Validation organisations, metrology institutes and standards actors participate throughout QVX Day, engaging with every part of the ecosystem.

Validation Organisations ↔ Users

- Validation needs for emerging applications
- Performance measurement
- Demonstration and testing methodologies
- Lessons learned from pilot activities

Validation Organisations ↔ Technology Providers

- Benchmarking and performance evaluation
- Interoperability challenges
- Technical assurance
- Standards readiness

Validation Organisations ↔ Buyers and Funders

- Building confidence for future adoption

- Supporting procurement and investment decisions
- Understanding regulatory and operational expectations
- Identifying future ecosystem priorities

These discussions help identify where Europe's validation and standards infrastructure can best support the continued evolution of quantum technologies and applications.

Technology domains

QVX Day showcases applications and enabling technologies across:

- Quantum Computing and Simulation
- Quantum Communication
- Quantum Sensing
- Quantum Metrology

Market verticals

Validation, metrology and standards organisations supporting a wide range of sectors are encouraged to participate, including (but not limited to):

- Space, Geodesy and Timing
- Life Sciences and Healthcare
- Defence and Security
- Financial Services (FinTech)
- Telecommunications
- Critical Infrastructure
- Aerospace
- Energy
- Materials and Manufacturing
- Engineering and Logistics

Participation is welcomed from metrology institutes, test laboratories, standardisation and certification bodies, benchmarking initiatives, interoperability programmes, and other organisations contributing to trusted quantum innovation.

Building a European community

QVX Day will be a recurring European forum where organisations developing quantum applications and use cases can connect with the technologies enabling them – and with the buyers, funders, validation organisations and standards actors who help Europe's quantum ecosystem continue to grow.

By bringing together every part of the value chain, QVX Day helps strengthen collaboration across Europe's quantum ecosystem and accelerate the development of applications and use cases that address real-world challenges.