



Dear Quantum Flagship member,

In this month's newsletter, we bring you exciting events, project updates and much more.

There is the EQTC 2024 standard registration deadline extension, the upcoming QTedu Demo Days series and quantum technology (QT) policymaker training session. Plus you can watch the first edition of the new QWave webinar series from the European Quantum Industry Consortium.

We have a newly published list of over 110 EC-funded quantum tech projects, 5 new EIC Pathfinder projects, and we take a look at the exciting CARIOQA project.

If you would like to inform the community on QT activities or events within your national or regional community, or provide feedback to the Quantum Flagship newsletter, please get in touch at newsletter@qt.eu.

Best regards,
The Quantum Flagship Coordination Team

- **EQTC 2024: Extended deadline for standard registration**
- **New QT training session for policymakers**
- **QTedu Demo Days 2024-2025**
- **Join the Accords Programme at the European Quantum Readiness Center**
- **New EIC Pathfinder projects selected**
- **List of EC-funded quantum tech projects**
- **Quantum space sensor to fight climate change**
- **New QWave webinar series launched**

Quantum Flagship event news

EQTC 2024: Extended deadline for standard registration



EQTC European Quantum Technologies Conference **2024**
a Quantum Flagship event

18 to 20 November
Lisbon, Portugal

Deadline for standard registration extended until 30 October!

eqtc.eu

ORGANISATION

 **QUANTUM**
FLAGSHIP

 **PORTUGUESE**
QUANTUM
INSTITUTE

 **European**
Commission

Only 4 weeks to go until Europe's premier quantum event. Join us at the **European Quantum Technology Conference** in Lisbon on **18-20 November 2024**.

We have extended the standard registration deadline until **30 October 2024**, so take advantage of the lower registration fee if you have not done so already.

On the eqtc.eu website you can **meet the speakers** and discover the latest **programme updates**, including exciting side events such as the Quantum Finance Lab (organised by the European Investment Bank) and the Quantum Investment Session (AMIRES).

Join the community, and let's enjoy Lisbon together!

REGISTER NOW

Quantum Flagship event news

New QT training session for policymakers

Register now for the second session of our new training series: 'Unlocking Quantum Innovation: Opportunities for



Companies and Research in Europe', taking place on **24 October 2024**.

In this session, participants will learn about the programmes, calls and infrastructures designed to support innovation and development in this emerging field. **Weronika Słomińska**, Business Developer at TNO, will present the Qu-Test and Qu-Pilot initiatives, highlighting the opportunities for businesses. **Johanna Anteroinen**, Senior Project Manager at VTT, will share findings from a recent industry needs analysis conducted by the European Quantum Industry Consortium, QuIC.

Read more and register now on the training webpage.

[READ MORE](#)

Quantum Flagship event news

QTEdu Demo Days 2024-2025

Inspired by the success of the 2022 events, the QTEdu Demo Days series for 2024-2025 will provide a platform for innovators to showcase their QT-related tools and initiatives. Each event will feature a 30-minute presentation followed by discussion, targeting educators, science communicators and learners from industry, academia, research, governance and society. Previous sessions can be [viewed](#) on QTEdu.eu.

The new series will highlight topics including Quantum LifeLong Learning, Qutools Science Kit, the Qureka! Box for teaching quantum computing, the Schrödinger Simulator, Felis – the first logical qubit emulator, and Niel's Chess, a game introducing quantum principles to younger audiences.

The full QTEdu Demo Days programme will be announced soon.

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EQRC Accords Programme

Join the Accords Programme at the European Quantum Readiness Center

Several European universities are playing a crucial role in advancing the quantum

ecosystem through education and research. The Abbe Center of Photonics at Uni Jena (DE) offers an M.Sc. in Quantum Science and Technology, providing industry internships at companies such as ZEISS and JENOPTIK. Similarly, the QuantUM group at the University of Minho (PT) offers an M.Sc. in Engineering Physics focusing on quantum computation, in collaboration with institutions like INL and MACC.

These organisations have **submitted accords** at the European Quantum Readiness Center, putting their programmes on the map while supporting the growth of the European quantum ecosystem and shaping its future. Join with your own accord via the button.

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News from the European Commission

Funding for QT

New EIC Pathfinder projects selected

In September the European Innovation Council (EIC) announced the latest round of beneficiaries of their Pathfinder Open funding initiative. Out of a staggering 1110 evaluated proposals, there are **5 projects in quantum technology** which were chosen to receive up to €3mil each.

The 3-4 year projects, from research institutes in Austria, Finland, France and Ireland, will cover fascinating topics such as ‘spin acoustics in silicon’ and ‘a spin-photon architecture for thousand-qubit chipsets at telecom wavelengths’. Read about the individual projects via the button.

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News from Quantum Flagship projects

News from the project

List of EC-funded quantum tech projects

The European Commission (EC) funds quantum technology projects through a wide

range of initiatives: the Quantum Flagship, EuroQCI, EuroQCS, the EIC and Digital Europe to name a few. As it can be hard to keep track, we have published a list of over **110 ongoing QT projects** on qt.eu, which will be updated continuously.

This list doubles up as a roll call of the Quantum Coordination Board, which seeks to align the activities of the different EC initiatives. The list links each project to its website (if available) and CORDIS page, where you can quickly find more details.

[READ MORE](#)

News from CARIOQA

Quantum space sensor to fight climate change

The CARIOQA project, launched by the European Commission and backed by the Quantum Flagship, aims to enhance climate change monitoring through the remarkable potential of quantum sensors.

A group of European scientists is developing space sensors utilising quantum technologies to measure acceleration with exceptional accuracy. This research represents a crucial milestone for future space missions that will observe slight shifts in Earth's gravity field. These advanced instruments will offer a clearer picture of the planet's changes, delivering more precise data on glaciers, sea-level rise, and groundwater variations with increased precision and urgency.

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News from the Community

News from QuIC

New QWave webinar series launched

The first episode of the new QWave series, recently live-streamed on QuIC's YouTube channel, attracted over 170 viewers, highlighting strong interest in fault-tolerant quantum computing.

Hosted by QuIC Network Manager, David Morcuende, the webinar featured experts from Riverlane and Alice & Bob. Earl Campbell discussed the challenges of error correction and the need for improved qubits and modular systems. Jérémie Guillaud showcased Alice & Bob's cat qubit technology, which reduces error correction overhead but noted the ongoing challenge of mastering Hamiltonian engineering.

This successful webinar underscores the importance of dialogue in the quantum community. The full session is available below, with more exciting episodes to come.

[WATCH VIDEO](#)



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Responsibility

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Responsible for the content of this newsletter is:

VDI Technologiezentrum GmbH
VDI-Platz 1
D-40468 Düsseldorf
Germany

Email: info@qt.eu

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