



Dear ,

In this newsletter we report on World Quantum Day and how the Quantum Flagship celebrated it on 14 April - with the start of ticket sales for the European Quantum Technologies Conference and a new version of the European Competence Framework for Quantum Technologies.

We also have interesting news from Quantum Flagship projects and the wider Flagship Community. You might also be interested in the Quantum Career Symposium or the 'Hop on Facility' funding opportunity.

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

Best regards,
The Quantum Flagship Coordination Team

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A successful World Quantum Day 2023

The **World Quantum Day**, celebrated on and around 14 April, aims to promote public understanding of quantum science and quantum technology around the globe. It is an initiative of the **World Quantum Day Network**, constituting quantum scientists from over 65 countries.

This year's celebration of World Quantum Day saw over 100 events being held in Europe, with over 380 events in total worldwide.

The Quantum Flagship played its part in the celebrations by launching the ticket sales for the European Quantum Technologies Conference 2023 and the release of a new version of the European Competence Framework for Quantum Technologies, both of which you will read about below.

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European Quantum Technologies Conference 2023 now open for registration



European Quantum Technologies Conference 2023
Hosted by Quantum Valley Lower Saxony

This year's biggest European quantum event, the **European Quantum Technologies Conference (EQTC)**, is celebrating the World Quantum Day by launching its ticket store with special rates to mark the special occasion.

The EQTC 2023 will bring together leading minds from science, industry and policy for a week's worth of insightful and exciting programmes. The biennial showcase and community gathering of the Quantum Flagship, Europe's groundbreaking innovation initiative, will take place between **16-20 October 2023** in **Hanover**.

Get ready to discover the newest breakthroughs and reunite with the European quantum community at the EQTC. Secure your ticket with attractive early bird rates (25% off, valid until 15 May). The tickets provide access to the entire four-day programme and include two social evening events as well as food and beverages during the opening hours.

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Quantum Flagship event news

Call for Equity, Diversity and Inclusion session proposals at the EQTC 2023

We are calling for proposals for a central session on Equity, Diversity and Inclusion at the [European Quantum Technology Conference \(EQTC\)](#) 2023.

Applicants are invited to submit a proposal for an engaging session on equality, diversity and inclusion for the participants of the next EQTC, based on their experience and good practice.

The selected team will be entitled to organise the proposed session. The QUCATS project can support the session organisation with a sum of up to 3000€ from its EC funding that has been allocated for this purpose. Eligible expenses could include the travel costs and production costs for video, or other materials for the event organization. Along with the session proposal, we will evaluate the applicant's commitment to equity, diversity, and inclusion in their institutions or networks with the scope to give recognition and visibility to such efforts.

Help QT to be diverse and submit your proposal by 18 June 2023!

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Quantum Flagship event news

Register now for the Quantum Career Symposium

If you are a STEM undergraduate or master student, or an early-stage researcher, join the [Quantum Careers Symposium](#) to get a glimpse of the many careers paths and job opportunities available. This free event will take in **Castelldefels**, close to Barcelona, on **26 April 2023**. The main sessions will also be streamed online.

The Quantum Career Symposium is organized by the European Quantum Flagship and the [Master in Quantum Science & Technology](#) and it is inspired by the [CARLA project](#).

Be quick and register today for the in-person participation or until 25 April for online participation.

If you're not convinced yet, find out what the participants thought about the [past editions of CARLA career events](#).

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European Competence Framework for Quantum Technologies version 2.0

A new '2.0' version of the [European Competence Framework for Quantum Technologies](#) has been released as a part of World Quantum Day 2023. It maps the landscape of possible competencies and skills in Quantum Technologies. The framework has been compiled and revised with extensive input from a multitude of stakeholders. It allows a straightforward comparison between competencies and will be used in the [European Quantum Readiness Center](#) (EQRC) to map and compare courses.

The EQRC is a pan-European initiative committed to empowering Europe with Quantum Readiness. The goal is to create a quantum-aware society and to develop and empower the quantum workforce of tomorrow.

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News from Quantum Flagship projects

PASQuanS2 project news

Follow-up of Quantum Flagship project to transform programmable quantum simulation in Europe

Building on the successful European Quantum Flagship project PASQuanS, PASQuanS2 (Programmable Atomic Large-Scale Quantum Simulation) aims to develop next-generation programmable, large-scale atomic quantum simulators operating with up to 10,000 atoms.

PASQuanS2 sets out to transform the development of programmable quantum simulation in Europe further. Led by the Max Planck Institute of Quantum Optics, the 25 partners have formed a Framework Partnership putting forward an ambitious seven-year research programme: the team will advance hardware and software for relevant scientific and industrial problems, so that verified next-generation, large-scale quantum simulators with up to 10,000 individual quantum systems can be demonstrated running stably in an end-user accessible form by the end of the Partnership.

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QSNP project news

Launch of the Quantum Secure Networks Partnership

The new European Quantum Flagship project in quantum communications, Quantum Secure Network Partnership (QSNP), will aim to develop and deploy quantum cryptography technology that will permit the ultra-secure transmission of information through the network.

QSNP brings together more than 40 partners from across Europe, from universities, foundries and RTOs to SMEs and spin-offs, network and cryptography integrators and telecom operators to fulfil three main goals:

- the development of advanced quantum technology for quantum secure communication networks,
- the integration of this innovative quantum cryptography technology,
- the application of the acquired know-how as well as the developed technology in various use cases such as the European Quantum Communication Infrastructure (EuroQCI).

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QIA project news

Call for internships for students and young professionals

Quantum Internet Alliance (QIA), one of the Quantum Flagship projects, has recently launched the first call for internships for students and young professionals to be part of their mission to build the world's first Quantum Internet.

With a goal of widening the European Quantum Internet, this internship program targets master students, PhD candidates, postdocs, or young professionals studying or working in EU countries without a QIA partner.

This program offers opportunities to research groups and companies based in any of the eligible countries to establish or strengthen links with the leading Quantum Internet activities in Europe.

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News from the European Commission

Call for proposals

'Hop-On Facility' for widening countries in Horizon Europe

The Hop-On Facility allows for legal entities from widening countries to join running collaborative R&I actions, subject to the agreement of the respective consortium and provided that legal entities from such countries are not yet participating in it. The scheme aims to improve the inclusiveness of Horizon Europe by involving more research institutions from widening countries under Horizon Europe Pillar 2 and EIC Pathfinder actions.

Main selection criteria are excellence and added value of the new partner performing a relevant additional task in the project. You can view the projects eligible to be joined, find out more below, and submit your proposals by **28 September 2023**.

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News from the Community

New from Delft and Leiden Universities

New Master in Quantum Information Science & Technology

Delft University of Technology and Leiden University have launched a new multidisciplinary MSc programme on Quantum Information Science & Technology (QIST).

This two-year joint-degree programme will start in September 2023 and welcomes students from physics, mathematics, computer science, electrical engineering and astronomy. In addition to a set of core courses and electives covering quantum hardware, quantum software and electronics for quantum technological applications, an important part of the curriculum is devoted to team assignments, where students from different disciplines are working together on quantum-technological problems, partly in collaboration with industry. This part of the programme allows them to learn from each other's disciplines and serves as preparation for later work environments with colleagues who also come from different fields of expertise.

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Responsibility

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