



Dear ,

In this newsletter we would like to inform you of the chance to participate in the Quantum Flagship booth at the Mobile World Congress 2023. Use the opportunity to present your company to a large number of visitors by sending us a proposal.

We will also tell you about the *Strategic Research and Industry Agenda* and the newly updated *Key Performance Indicators for Quantum Technologies in Europe*.

Furthermore, we share with you the information about the Joint Technical Committee for Quantum Technologies which has been launched by the European Technical Board of the standards-developing organisation CEN-CENELEC.

Great news comes from QTedu, which has launched new specialised Master's degree programmes to help win the global race for quantum talent.

You can also hear news from events - the Education tool 'demo days' and an upcoming webinar for forging partnerships in quantum computing. .

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](mailto:newsletter@qt.eu).

Best regards,

The Quantum Flagship Coordination Team

- **Call for proposals - Participation in the Mobile World Congress 2023**
- **Preliminary Strategic Research and Industry Agenda published**
- **QT in Europe - First KPI values and 2030 targets revealed**
- **CEN-CENELEC launches Joint Technical Committee for Quantum Technologies**
- **Europe aiming to win global race for quantum talent**
- **A new season of Education tool demo days has started with QPlaylearn**
- **The path to fruitful partnership in quantum computing**

## Call for proposals

# Participation in the Mobile World Congress 2023

The Quantum Flagship will be present at the Mobile World Congress 2023 (MWC23), which will take place in Barcelona on 27 February – 3 March 2023. In 2022 the Quantum Flagship had a 70m<sup>2</sup> space in which 5 QT companies participated together with two regional QT initiatives, being able to present their products and programs to over 200 industry representatives that stopped at our space.

This is a call to the EU quantum community, especially to the QT companies in QuIC, the quantum-related FPAs as well as national and regional quantum initiatives with programs in the areas related to the mobile ecosystem.

If you have a demonstrator (industry/application focused) that could fit within the areas of communications, sensing, computing or AI and if you are interested in showcasing your technology in this world-leading congress, please contact us by sending an e-mail to [info@qt.eu](mailto:info@qt.eu).

[FURTHER INFORMATION](#)

## Quantum Flagship SRIA

### **Preliminary Strategic Research and Industry Agenda published**

The Quantum Flagship is publishing a preliminary Strategic Research and Industry Agenda (SRIA). It proposes a first roadmap to 2030, aligning the various quantum technology initiatives within the EU around the four technological pillars – quantum computing, quantum simulation, quantum communication, quantum sensing and metrology – and transversal issues such as basic science, workforce development and standardisation. It concludes with specific recommendations for the frameworks of the Chips Act and EuroHPC Joint Undertaking. A more comprehensive agenda will be published in 2023, including alignment with national strategies.

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## Key Performance Indicators for QT in Europe

### **First KPI values and 2030 targets revealed**

The *Key Performance Indicators for Quantum Technologies in Europe* were set out by the Flagship earlier this year. A newly updated document now reveals the first

measured values – for the year 2021 – along with the ambitious targets for the end of the decade.

Find more details along with a download link to the updated KPI booklet on our website.

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## News from the European Standardisation Organisations

### **CEN-CENELEC launches Joint Technical Committee for Quantum Technologies**

The Technical Board of the standards-developing organisation **CEN-CENELEC** has decided to launch a new Joint Technical Committee for Quantum Technologies (“JTC22-QT”). This decision was taken in consensus between 34 European countries. Input to the decision was [the draft Quantum Technologies Standardisation Roadmap](#) by the CEN-CENELEC Focus Group on Quantum Technologies, as well as consultation with the European Quantum Flagship.

JTC22-QT will be responsible for European QT standardisation, which includes the creation of guidelines, reports and specifications, as well as standards coordination within Europe and internationally.

The kick-off of JTC22-QT will take place in Berlin, 9-10 March 2023 (informal joint dinner on 8 March). Please contact your National Standards Body ([List CEN](#), [List CENELEC](#)) for more information, or for an invitation to the kick-off.

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## News from QTedu

### **Europe aiming to win global race for quantum talent**

20 universities from 10 European countries will revolutionise education and training in quantum technologies with 16 brand new specialised **Master’s degree programmes**. The **Digitally Enhanced Quantum Technology Master (DigiQ)**, commenced October 2022) is the Quantum Flagship’s primary workforce development project, funded by Euro 17.6 million over four years through the European Commission’s [Digital Europe Programme](#).

DigiQ has spun out of two community-driven pilot efforts, organised under the Flagship’s former education CSA, [QTedu](#). The [Quantum Technology Open Master](#) has set up an open ecosystem of specialist QT courses among 26 partners. [Empowering the Future Experts in Quantum Technology](#) has assembled a network of students, academics, and industry professionals over a year-long program. Uniting these efforts, and with an extensive mobility program offering funded internships

and exchanges across Europe, DigiQ will support the strategic objectives of the Flagship in developing and retaining top talent..

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### News from QPlaylearn

## A new season of Education tool demo days has started with QPlaylearn

On 21 October 2022 the first Education tool demo day event was held after the summer break. Caterina Foti introduced the activities organised by QPlaylearn, «a team of scientists and communicators, on a mission to teach the beauty of quantum science ... to anyone» based in Finland.

During her talk, she introduced the many activities created by their multidisciplinary team and how the richness of approaches and experiences is fundamental to designing and creating successful, engaging tools.

To learn more about the activities from QPlaylearn and their approach, watch the recording of the event linked below.

Don't miss the next Education tools demo days. Stay tuned Via the [QTEdu event page](#).

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### QuIC event news

## The path to fruitful partnership in quantum computing

The [European Quantum Industry Consortium e.V. \(QuIC\)](#) would like to invite you to take part in the public webinar dedicated to the topic of forging partnerships in the growing quantum computing space.

The webinar, titled “The path to fruitful partnership in quantum computing”, will be moderated by Tanya Suarez, the leader of the Work Group “Ecosystem”.

**The event will take place on 22 November at 10:00 - 11:00 CET.**

Join the meeting to hear from [IQM Quantum Computers](#), Inés De la Vega, [QuantrolOx](#), Freddie Faulkner, and more thought leaders.

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