



Dear ,

The year 2023 moves towards its end, but European quantum is not slowing down! In November's newsletter we'll tell you about several exciting events and training opportunities, and you'll be invited to become part of the Quantum Flagship booth at Mobile World Congress 2024.

There's a recently published EIB study on Europe's quantum tech industry, plus fantastic news from Quandela and from the hybrid computing project HPCQS.

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

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## Conference on Quantum Technologies in Europe



The Conference on Quantum Technologies in Europe will take place in **Madrid**, Spain, on **22-23 November 2023** as part of the Spanish EU Presidency. It is organised by the Spanish Ministry of Economy and State Research Agency, in collaboration with QuantERA and the Quantum Flagship.

The event addresses quantum tech development challenges and European policy alignment to advance scientific results for societal benefits and economic welfare. It offers a unique platform for QT researchers, managers and practitioners to share insights, address challenges, and foster collaboration in this fast-evolving field.

A **live stream** of the event will be available in English and in Spanish on the event website.

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## Quantum Technology training for policymakers

The 5th session of the online training series is dedicated to quantum communication and will take place soon.

Listen to inspiring presentation about use cases in communication by Dr. Eleni Diamanti, CNRS Research Director at



• ONLINE TRAINING

# QUANTUM TECHNOLOGY

for policymakers

Topic :  
Use cases : Communication

Speakers

**DR. ELENI DIAMANTI**  
CNRS Research Director at Sorbonne University, France

**VANESA DIAZ**  
CEO of LuxQuanta, Spain

**TOMMASO OCCHIPINTI**  
Co-Founder and CEO at QTI SRL,  
Founder & CEO at Oengineering SRL, Italy

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Sorbonne University, about quantum communication on earth and in space by Tommaso Occhipinti, Co-Founder and CEO at QTI SRL, and on quantum key distribution with continuous variable technology (CV-QKD) by Vanesa Diaz, CEO at LuxQuanta.

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## Quantum Flagship event news

### IPR training programme

Are you a quantum or deep tech innovator in the EU? Do you want to learn how to strategically manage your intellectual property rights (IPR) and gain a competitive edge in your field? If yes, then join this free online training offered by the Quantum Flagship, VTT and Aalto University Executive Education, to turn your quantum and deep tech innovations into value.

This training will teach you how to create new markets, attract investors, protect and license your IPR, and network with other innovators. It is free for EU citizens and starts on 11 December 2023, with further modules through to December 2024.

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## Quantum Flagship event news

### Call to participate in Mobile World Congress 2024



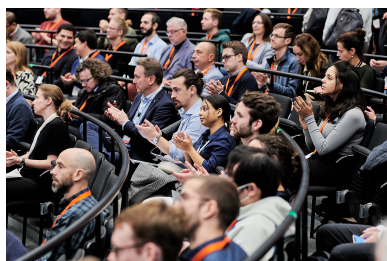
The Quantum Flagship will be at Mobile World Congress 2024 (MWC) in **Barcelona** on **26-29 February 2024**. In 2023, MWC drew over 60,000 visitors from 160+ countries, eager to explore and invest in innovative technologies. The European Quantum Zone, led by the Quantum Flagship, showcased 8 companies and 3 projects, and hosted Quantum Coffee Talks, a platform to present products and engage with the audience, attracting visitors like EU Commissioner Thierry Breton.

This is a call to the EU quantum community, especially companies and quantum-related FPAs in mobile ecosystem areas. If you'd like to join the Quantum Flagship booth and have a demonstrator in communications, sensing, computing, or AI, please contact us at [info@qt.eu](mailto:info@qt.eu) by **30 November 2023**. While the Quantum Flagship provides space and some MWC passes, please note that travel expenses are not covered, and participants share the exhibition costs.

[CONTACT US](#)

## Quantum Flagship event news

### EQTC 2023: It was a blast!



With over 650 guests, the European Quantum Technologies Conference (EQTC), Europe's quantum event of the year, took place in Hannover from 16 to 20 October 2023.

EQTC 2023 brought together a diverse community of brilliant scientists, innovative engineers, visionary leaders, and enthusiastic students. The success of the event was a collective endeavour, and we express our gratitude to all who played a role: speakers, exhibitors, attendees, sponsors, and organisers!

We can now take a look back at an amazing week of conference and exhibition.

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## News from Quantum Flagship projects

### HPC-QS project news

### Hybrid computing project HPC-QS announces major milestone

The European project High-Performance Computer and Quantum Simulator hybrid (HPCQS) has announced a significant milestone in hybrid computing. Two quantum computers, each with over 100 qubits, are being delivered to project partners in France (GENCI/CEA) and Germany (FZ Jülich), where they will be coupled with the Joliot-Curie and JURECA DC supercomputers respectively.

The quantum computers are being delivered by French company PASQAL, and mark some of the first building blocks of the [EuroHPC-QCS](#) infrastructure which will see six further quantum computers hosted at supercomputing sites also in Czechia, Poland, Spain and Italy.

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## News from the European Commission

### EC event news

# Chips Joint Undertaking Launch event



Chips Joint Undertaking, part of the European Chips Act, is a huge step towards solidifying Europe's position in the semiconductor industry. The initiative is expected to various advanced microelectronic and semiconductor technologies, including quantum chips.

The eagerly awaited launch will mark the official inauguration of the Chips Joint Undertaking and will take place in **Brussels** on **30 November & 1 December 2023**.

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## News from the EIB

### EIB study on finance in European Quantum Technologies

The European Union hosts 25% of all quantum companies globally, yet it attracts less than 5% of global funding. This arises from the challenges companies face in scaling their commercial operations, primarily due to a shortage of knowledgeable investors and commercial partners.

The European Investment Bank (EIB) has published a new study, titled 'A Quantum Leap in Finance: How to Boost Europe's Quantum Technology Industry'. It seeks to address crucial questions about the future of quantum technologies. The study recommends a combination of policy and financing measures to expedite the transition from academic knowledge to achieving large-scale commercial success.

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News from the community

## €50 Million propels Quandela's international expansion

Quandela, one of Europe's major players in photonic quantum computing, has successfully secured over €50 million from the European Innovation Council (EIC), the French government, and banking partners. This fundraising round represents a significant milestone for European growth in the international quantum landscape.

The €50 million raised will enable the acceleration of Quandela's growth and international expansion, helping to support an increasing number of industrial clients in utilizing quantum computing to address complex use cases.

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Responsibility

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