The European Quantum Communication Infrastructure (EuroQCI) Initiative

The EuroQCI initiative aims to build a secure quantum communication infrastructure that will span the whole EU, including its overseas territories.

Since June 2019, all 27 EU Member States have signed the European Quantum Communication Infrastructure (EuroQCI) Declaration, signalling their commitment to the EuroQCI initiative.

The participating countries are working with the European Commission and the European Space Agency (ESA) to design, develop and deploy the EuroQCI. The aim is for it to be fully operational by 2027.
In 2021-2022, the Digital Europe programme will fund support for:

- the development of European QKD devices and systems
- the development and deployment of national quantum communication networks
- a testing and certification infrastructure for QKD devices, technologies and systems that will ultimately be used in the EuroQCI.

In 2022-2023, the Connecting Europe Facility will fund support for cross-border links between national quantum communication networks, along with links between the EuroQCI’s earth and space segments.

Quantum communication infrastructure: Questions and answers
Follow the latest progress and learn more about getting involved.
PRESS RELEASE | 16 December 2021
Commission to invest more than €1 billion under the Connecting Europe Facility for innovative and secure connectivity

The Commission adopted the first Work Programme for the digital part of the Connecting Europe Facility (CEF Digital), which defines the
The Commission announced this week the first set of calls for proposals under the Digital Europe Programme. This follows the adoption of the work programmes allocating nearly €2 billion for investments aimed to advance on the digital transition.

PRESS RELEASE | 10 November 2021
Commission to invest nearly €2 billion in delivering digital advances to business, citizens, and public administrations

The Commission has adopted three work programmes for the Digital Europe Programme, outlining the objectives and specific topic areas that will receive a total of €1.98 billion in funding. This first set of work programmes includes strategic investments that will be instrumental in realising the Commission's goals in making this Europe's Digital Decade.

DIGIBYTE | 28 July 2021
All Member States now committed to building an EU quantum communication infrastructure

Ireland is the 27th EU Member State to sign the EuroQCI Declaration. This means that all 27 EU Member States have signed it.

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To unlock the transformative power of quantum, the EU should develop a solid industrial base that builds on its tradition of excellence in quantum research.

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Quantum Technologies Flagship
The Quantum Technologies Flagship is a long-term research and innovation initiative that aims to put Europe at the forefront of the second quantum revolution.

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