

The European Quantum Initiative

- from a Flagship to a Fleet -

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components highlighting how the envisaged actions will realise the vision of placing Europe as a worldwide knowledge-based industrial and technological leader in the QT field.

Abstract

As the first applications leap out of research laboratories towards commercialization, the global race for leadership in the maturing field of quantum technologies is becoming ever fiercer. To retain its historical lead, kick-start a continent-wide quantum-driven industry and accelerate market uptake, the European Commission launched in 2018 the Quantum Technology (QT) Flagship, an ambitious €1 billion initiative spanning a ten year period of R&D&I. Since then, the QT Flagship has been sided by many other funding instruments, initiatives and actions, which have basically more than doubled its initial budget effectively transformed it in a whole 'quantum fleet'.

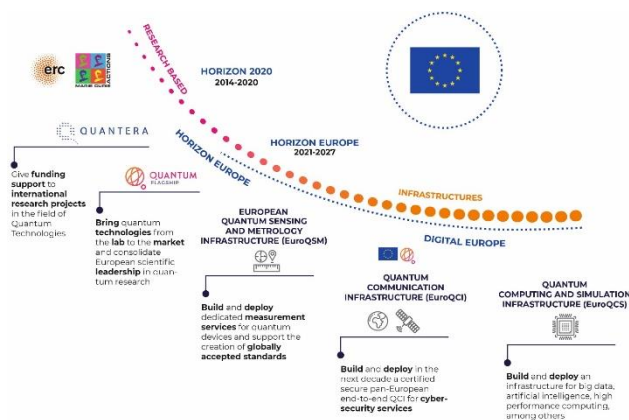


Figure 1: From a Flagship to a Fleet

This presentation will provide a broad view of the existing and planned Quantum Fleet