



Welkom

Van een nationaal naar een Europees Quantum Ecosysteem



ECP

Platform voor de
InformatieSamenleving



Ministerie van Economische Zaken

Panelleden

Founder team Quantum Delta NL



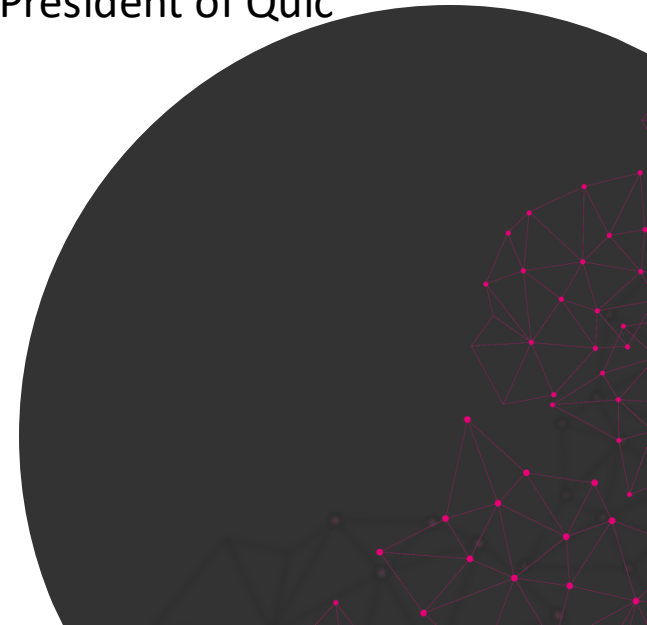
Hugo Gelevert
Principal Innovation
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Ingrid Romijn
CEO and co-founder of
Q-bird B.V.



Freeke Heijman
CEO and founder Heijman Consultancy
Vice-President of Quic





COLLABORATIVE INNOVATION IS IN OUR DNA

Unique Ecosystem for Quantum Technologies

National Public funding

> \$900M

in quantum technology

Dutch national quantum program

Quantum Delta NL

to build, strengthen and expand the quantum ecosystem

Within **2 hours** drive

**5 regional
quantum hubs**



8 universities

closely collaborating in various field of quantum technology

Network of research institutes with

open lab facilities

clean rooms and test beds

Dutch ecosystem is known for

**High Tech
Industrialization**

Home to global leading companies such as AMSL

Source: Netherlands Foreign Investment Agency

Het Delftse ecosysteem

Spin Outs



HoQ Residents



Joiners...



Partners on Campus



Academia



Partners



Regional Stakeholders



National Stakeholders



Local Community



Strategic Pillars of the EU Quantum Ecosystems

Funded by



Bring quantum technologies from the **lab** to the **market** and consolidate European scientific leadership in quantum research

Fundamental R&D

Technology Supply

RESEARCH BASED

HORIZON EUROPE



2021-2027



INFRASTRUCTURES

DIGITAL EUROPE

European Chips Act



Bolster Europe's competitiveness & resilience in semiconductors & **quantum chips** including production facilities & Quantum Fund

From Lab to Market



Pilot Lines & Testing Facilities

Q Sensing Deployment

Build and **deploy** Quantum sensing devices

Quantum Gravimeters

Quantum MRIs

EuroQCI



Build and **deploy** in the next decade a certified secure pan-European end-to-end QCI for cybersecurity services

QKD Infrastructure

EuroHPC-QCS



Build and **deploy** an infrastructure for high performance computing and **quantum computing**

HPC with Accelerators

Stand-alone Q Computers

Advanced Digital Skills



Develop short term **training courses** and **Master's programmes** in key capacity areas



Building the Dutch ecosystem

- Wat zijn onze succesfactoren?
- Lessons learned, do's and don'ts?
- Welke acties zouden in de komende periode prioriteit moeten krijgen?



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Ministerie van Economische Zaken
en Klimaat



Building the European ecosystem

- Betekent een sterk NL ecosysteem automatisch succes in Europa?
- Waar doen we het goed, waar minder?
- Wat moet er gebeuren op Europees niveau?
- En wat op Nederlands niveau om onze bedrijven succesvol te maken?



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Q&A