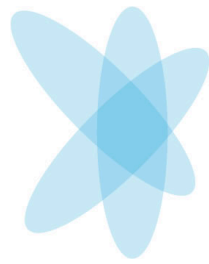


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QUANTUM+

Uncovering technology for business

QUANTUM+ project Newsletter #1

Quantum+ Project aims to train higher education students and entrepreneurs in quantum technologies. For that, we will identify skill needs for quantum applications in both academic and industrial contexts.

Project Outputs



Develop a curriculum focused on quantum applications in industry



Provide interactive training materials and programming labs



Deploy a pilot test and raise awareness to companies of the benefits of quantum technologies

In Person Meetings

Two in person meetings have been organized so far:

❖ [First Consortium Meeting in Vaasa, Finland](#)

❖ [Second Quantum+ Consortium Meeting in Bilbao, Spain](#)



Project News

- [European Delegation Visits Euskadi to Explore Quantum Technology Leadership](#)
- [Biqain, Bizkaia Quantum Advanced Industries](#)
- [SoC4sensing Chair and Chip Lecture Room](#)

Project Progress

Understanding Training Needs in Quantum Technologies

Desk Research Report

Our recent desk research highlights the transformative potential of quantum technologies across industries. From quantum computing to sensing and security, these innovations promise new efficiencies, enhanced security, and solutions to complex problems.

However, as quantum tech evolves, businesses must stay informed, invest in quantum-safe encryption, and prepare their infrastructure and talent. Experts recommend a proactive approach to quantum readiness, emphasizing that a basic understanding of quantum principles and applications—rather than deep technical knowledge—will be enough to seize new opportunities.

Staying ahead in the quantum era means being prepared to adapt and innovate.

Survey Analysis

We conducted an online survey with 101 participants from industry and academia to explore the training needs in quantum technologies — and the findings are truly insightful!



Academia Perspective:

- Top learning interests: Quantum computing, networking, and cybersecurity.
- Preferred learning format: A hybrid approach combining self-paced and instructor-led training.

Industry Perspective:

- Main focus: Real-world business applications rather than deep technical content.
- Training barriers: Limited resources, lack of specialized expertise, and accessibility challenges.

Next Steps:

- Launch beginner-friendly quantum courses
- Develop specialized, hands-on training in high-demand areas.
- Use accessible language
- Offer hybrid training programs
- Integrate real-world industry applications

Focus Groups

All the partners organized different focus groups on quantum technologies to gather valuable insights directly from industry and academic experts.

Purpose:

- Identify skill needs of companies regarding quantum technologies.
- Understand real-world challenges faced when integrating quantum technologies into industrial and professional practices.
- Gather recommendations for designing a higher education curriculum that bridges the gap between theory and practical, industry-relevant applications.

Key Discussion Topics:

- Current and future knowledge and skills needed in companies adopting quantum technologies.
- How to connect quantum education with its practical applications across different industrial sectors.
- Recommendations to develop a pragmatic, future-proof curriculum for higher education.

For more information visit our website:

Website

Thanks for reading. See you soon!

QUANTUM +



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