

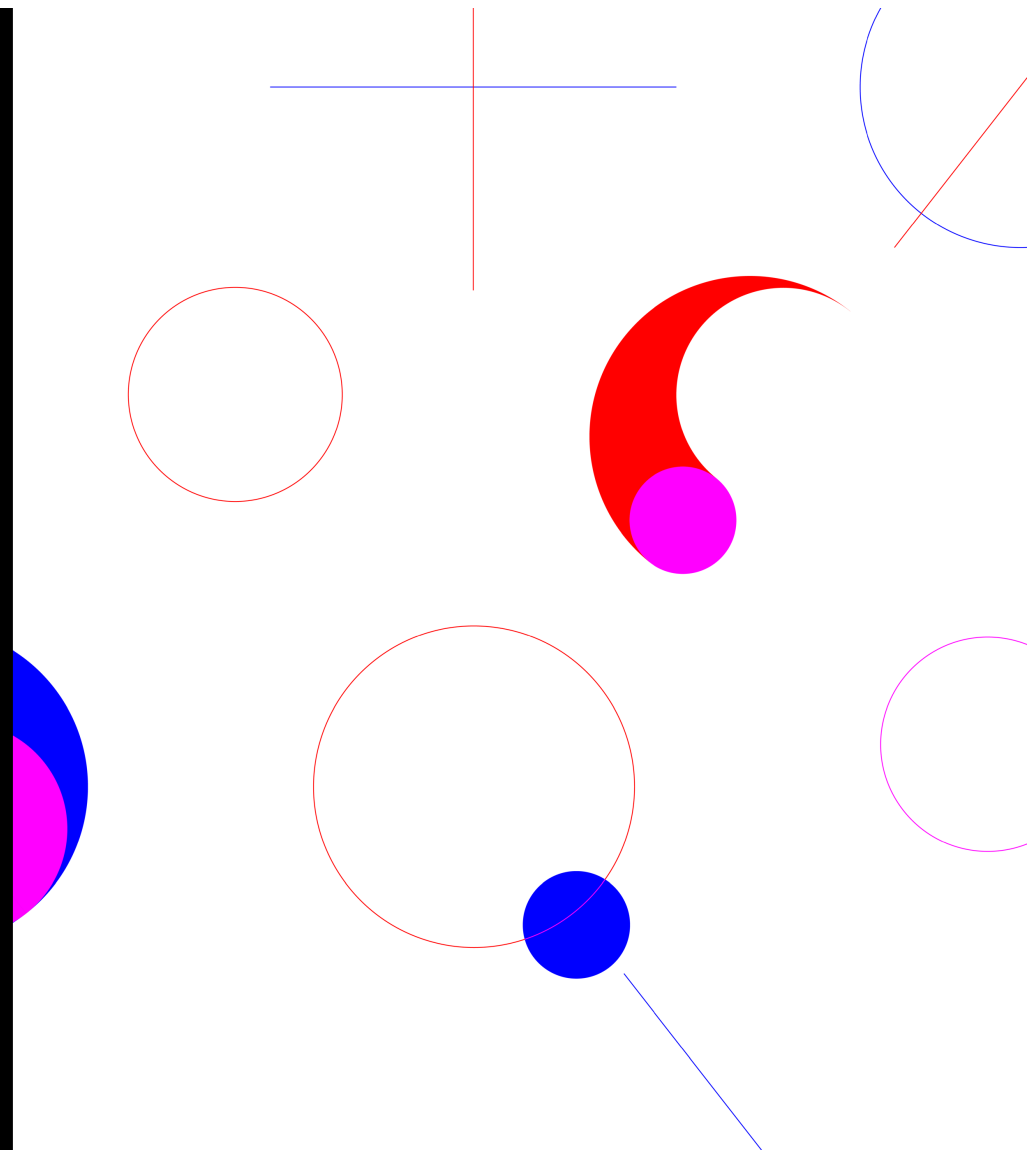
Quantum Delta NL

Challenge based funding 2025

July 8th, 2025



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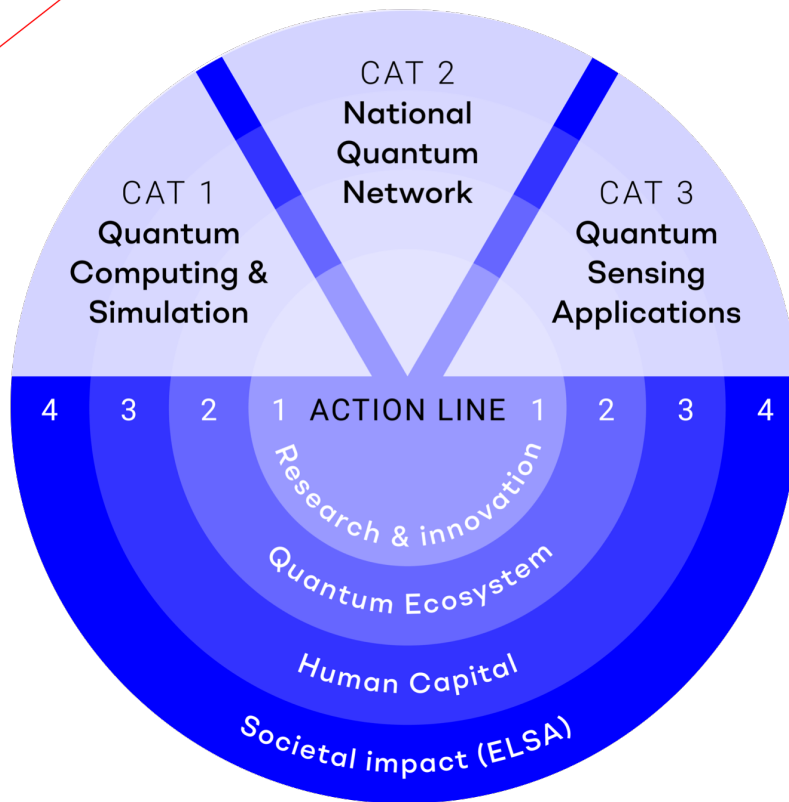




What to expect today

- Introduction to challenge-based funding by QDNL
- Learn about the objectives of the first call for Life Science & Health
- Get the latest information on the project proposals we are looking for
- Current timeline for this call
- Q&A, we are interested to hear your thoughts and ideas

QDNL Challenge based funding – context and status



- QuantumDelta Phase 3 targets to engage the perspectives of End users and Manufacturing
- Supported by this new Challenge Based Approach
- This is the pilot challenge focusing on End Users perspective in Life Science and Health



NanoLab NL

Vision and Strategic Ambition

- Build on QDNL Program: Catalyst Programs and Action Lines in Phases 1 and 2
- New interdisciplinary collaborations in Quantum - Life sciences & Health
- Develop and demonstrate quantum powered solutions that address bottlenecks in LSH
- Lay foundation for real-world deployment of Quantum enabled solutions in LSH
- Two phases
 - Step 1: solid foundation
 - Step 2: make impact



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This Challenge

Can Quantum technologies solve challenges in Life Science&Health with measurable, near-term progress towards real-world utility?

- . Drug discovery bottlenecks
- . Biomarker detection and sensing
- . Clinical decision support or scheduling optimization
- . Medical data trust and security
- . Personalized digital therapeutics

These examples are illustrative



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Challenge based funding – Step 1


Expected Duration: Up to 12 months

Expected total Budget: €2M

What we find important:

- **Clarity** of the defined **use case** and **relevance** to LSH bottlenecks
- Well-reasoned **quantum advantage** hypothesis (e.g., NISQ, FTQC, sensing, QKD)
- **Scientific** and **technical credibility** of the approach
- Target **engagement** with relevant **end-users/LSH partners** (e.g., hospital, pharma, data partner)
- **Quality** of the execution **plan** and risk mitigation strategy

We aim for impactful funding

- Assess funded projects regularly and closely
 - Steer on output
 - Reshape, consolidate or discontinue
- 

Challenge based funding – Step 2

Duration indication: Up to 24 months

Budget indication (total): €5M

What we find important:

- **Proven** technical **feasibility** and **performance** (Step 1)
- Clear **stakeholder support** and **co-funding commitment** from LSH partner(s)
- **Integration potential** within existing healthcare systems or workflows
- **Realistic go-to-market** or adoption roadmap
- **Alignment** with national innovation and procurement **priorities**
- **Demonstrate team competences**, IP strategy and **preparing for market entry**

We aim for impactful funding

- Assess funded projects regularly and closely
- Steer on output
- Reshape, consolidate or discontinue

What we are looking for

✔ What We Are Looking For	✗ What Doesn't Fit
Disruptive, high-risk quantum approaches to real Life science and Health bottlenecks	Incremental enhancements to existing quantum or classical approaches
Proposals with clear quantum advantage hypotheses (NISQ, FTQC, sensing)	General research without application focus
End-user-engaged projects (clinics, pharma, medtech, etc) from the outset	Academic-only consortia with no engagement beyond research
Interdisciplinary teams across quantum, engineering, and healthcare domains	Isolated efforts with limited technical or clinical reach
Roadmaps towards early demonstrators, risk analysis, and valorisation and commercialisation pathways	Vague or purely theoretical objectives lacking measurable outcomes
Proposals that strengthen the Dutch quantum ecosystem and attract external collaboration	Narrow proposals without ecosystem-building relevance

Q&A

1. On the challenges:

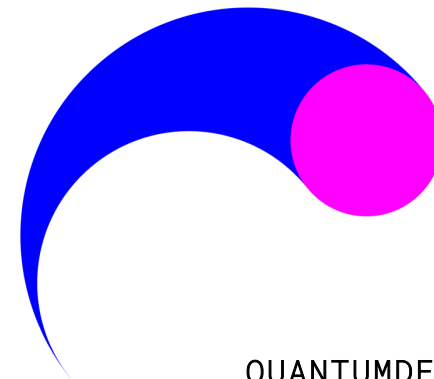
Do you recognize the challenges?

Are we missing certain challenges?

2. Any other questions



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Next steps

- Reach out to us: **funding@quantumdelta.nl**
- Provide feedback and questions
- Engage in matchmaking
- Contact Richard van Harderwijk, QDNL business developer for LSH
Richard.vanHarderwijk@quantumdelta.nl
- Stay up to date: QDNL newsletter



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