



# Welcome to the latest PQ-REACT insights — 6th edition

**Dear readers,**

Time flies, and it feels like just yesterday that we were holding our project's kick-off meeting! This autumn, PQ-REACT celebrated **two successful years** of progress and is now moving confidently into its final year. Looking back, we see great achievements, impactful collaborations, and technical breakthroughs, while looking ahead, we see a promising future for our mission in shaping the post-quantum era.

From impactful events and collaborations to open-access resources and open-call updates, we're excited to share the latest updates in our sixth newsletter.

**Enjoy the read and stay connected with the PQ-REACT world!**

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## **PQ-REACT presents: Our Final Destination**

Ready to dive in? Watch our short video and discover what's next for PQ-REACT



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## PQ-REACT Turns 2!



The PQ-REACT project has successfully **completed its second year** and is now entering its final phase. From technical breakthroughs and publications to collaborations and outreach, PQ-REACT continues to grow as a leading force in **quantum-secure innovation**, setting the stage for a strong and impactful final year.

[Unfold our two-year story](#)

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## Open Call 2 -IMPLEMENT

Our second Open Call-IMPLEMENT was launched **on April 2, 2025, and closed on July 2, 2025**. As in Open Call #1-DEVELOP, we ran two successful applications to explore a few statistics and the winning teams of OC#2.

### The Evaluators

A key element of the PQ-REACT Open Calls is the independent evaluation carried out by external experts. For this call, we received **33 applications** from potential evaluators, of which **18 were selected**. The gender distribution among evaluator applicants was balanced: **16 male, 16 female, and 1 N/A**. In terms of geographical representation, **25 applications** were received from **EU Member States** and **8 from outside the EU**.

### The winners

Our second Open Call 2 attracted significant interest from across Europe's research and innovation community, receiving **57 applications submitted by 128 entities**.

The applications covered all four use cases: **23** applications were submitted for **Use Case 1 (Smart energy meters)**, **13** for **Use Case 2 (5G and 6G Architectures)**, **17** for **Use Case 3 (Context Agility Manager (PQC Benchmarking))**, and **4** for **Use Case 4 (Use Case 4: Eclipse-Qrisp for PQC)**. The diversity of participants includes **4 NGOs, 45 Research and Technology Organisations, 79 SMEs, 79 start-ups, 4 foundations, 45 universities, and 4 associations**.

Following the evaluation process, the selected consortia bring together expertise and innovation and are based in **Spain, Bulgaria, Estonia, Italy, Denmark, and Malta!**

## Meet the OC#2 winners



**Open call  
WINNER #2**

**Q-SAFE**



Funded by the European Union



**Open call  
WINNER #2**

**QUSENA-6G**



Funded by the European Union

**Q-SAFE**

**Team:** [FAVIT & DATAKORUM](#)

**Use Case 1:** Smart energy meters

Meet the Team behind Q-SAFE & learn more

**QUSENA-6G: QUantum-Safe End-to-end Network Architecture for 6G**

**Team:** [Neutroon, LuxQuanta & Mercury](#)

**Use Case 2:** 5G and 6G Architectures

Meet the Team behind QUSENA-6G & learn more



**Open call WINNER #2**  
**QUAS**



Funded by the European Union

**QUAS: A Quantum-Shielded Framework for Authentication in Communication Protocols**

**Team:** [Spritz Matter S.R.L. & Edentity Foundation MTU](#)

**Use Case 3:** Context Agility Manager (PQC Benchmarking)

Meet the Team behind QUAS & learn more



**Open call WINNER #2**  
**QRYPTIX**



Funded by the European Union

**Qryptix: Post-Quantum Cryptographic Plugin and DevTools for Eclipse-Qrisp IDE**

**Team:** [Next-Tech Association & ASI Enterprise ApS](#)

**Use Case 4:** Eclipse-Qrisp for PQC

Meet the Team behind Qryptix & learn more

## Events & Collaborations

This summer marked a period of strong collaboration and visibility for the PQ-REACT project, highlighted by the co-organisation of two major international events and the launch of a new partnership with the NGI Sargasso EU project.

**Explore our summer events!**

The season began in **Madrid**, where ETSI and the Institute for Quantum Computing organised the 2025 edition of their joint event, the **ETSI/IQC Quantum Safe Cryptography Conference 2025**. In this regard, the SPQR cluster, together with the PC3 (Plan Complementario de Comunicaciones Cuánticas – National Plan on Quantum Communications) and the Madrid Quantum Communications Project, MadQuantum-CM, organised a special workshop **on June 6th**.

[Explore the SPQR Cluster-PQC Workshop](#)

Later in the summer, from 2–5 July 2025, the **2nd Workshop on Quantum-Secure Networks and Systems (QSNS 2025)** took place in Bologna, Italy, co-organised by **PQ-REACT** and **QUBIP EU** projects. Held alongside the 30th IEEE Symposium on Computers and Communications (ISCC 2025), the workshop addressed the most pressing cybersecurity challenges of the quantum era from an engineering perspective!

[Explore QSNS 2025](#)

## **PQ-REACT and NGI Sargasso Joined Forces!**



The **PQ-REACT** and **NGI Sargasso EU** projects have joined forces to boost quantum innovation across Europe and North America. By joining forces, the two projects aim to amplify and accelerate innovation, advancing the development and security of quantum technologies while supporting the transition to the quantum era in Europe and beyond.

[Read more about our shared journey](#)

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## Publications & Open Access



Explore the PQ-REACT open-access materials from **cuPQC-GPU-Power-Monitoring** to **Qrisp** and **CAM—Context-Agility-Manager**.

[Visit our open-access toolkit](#)

## From Theory to Implementation. PQ-REACT's Research on Post-Quantum Cryptography.

In our latest article, we dive into the project's scientific publications, highlighting their key insights and contributions to the research community.

[Read our article and learn more](#)

# What's next?

As we move into the project's final phase, we are entering an exciting period of results and impact. In the coming months, we will continue to share our innovative results, showcase the work of the second Open Call winners, and foster new collaborations and synergies across the European post-quantum ecosystem. Further, participation in events and outreach activities will continue, bringing together experts, partners, and stakeholders to exchange knowledge and drive progress toward a secure, post-quantum future.

**Stay tuned for more updates!**



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## PQ-REACT

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