Securing Europe's Digital Future: From Cyber Resilience to Post-Quantum Cryptography
18 March 2025

Event Description:

Cybersecurity is an increasingly important topic driven by the growing need to reinforce Europe's strategic autonomy as well as to ward off increasingly sophisticated and frequent cyberattacks. These challenges are fueled by the rapid development of technology and the complexities of the current geopolitical landscape.

One emerging solution is post-quantum cryptography—a technology designed to safeguard data against the immense computational power of quantum computers. Unlike traditional encryption methods, which quantum computers could easily breach, post-quantum cryptography offers advanced security measures to prepare for a future dominated by these super-powerful machines.

This event will focus on the future of Cybersecurity with an additional emphasis on Post-Quantum Cryptography. The event is designed to bring together researchers and innovators to discuss possible collaboration in the realm of cybersecurity and post-quantum technologies. Participants will have the opportunity to pitch their project ideas.

This is a unique opportunity to connect with the forefront of Cybersecurity research and innovation, shape the future of secure digital environments, and take part in the EU's efforts to stay ahead of the quantum revolution.

Provisional agenda:

10:00 – 10:05 Introduction and welcome
10:05 - 10:20 REA Insights on Civil Security: Cyber & Quantum. The session will provide an overview of emerging trends and key topics in these areas. Insights and best practices for preparing proposals and tips for aligning research with Horizon Europe's strategic objectives.
10:20 – 11:50 Pitching Session: Innovative ideas and project proposals related to post-quantum cryptography and cyber security will be showcased, with an opportunity to network and form potential partnerships.
11:50 Closing remarks