

Secure PQC implementations, Cryptanalysis and Post-quantum Digital Trust

Horizon Europe

● IN ATTESA

Codice

HORIZON-CL3-2027-02-CS-ECCC-03

Ambito

Internazionale

Località

Europa

Curatore

Marlene Faria

DETTAGLI FINANZIARI

Tipo di supporto

Fondo perduto

Intensità Massima di Aiuto

100%

Budget

19M€

Valore di Progetto Ammissibile

Up to 4M€

DATE E SCADENZE

Data di Pubblicazione

12 dicembre 2025

Data di Apertura

2 marzo 2027

Deadline

15 settembre 2027 alle ore 17:00 GMT+2

DESCRIZIONE

Objectives

This call aims to advance the security and trustworthiness of post-quantum cryptography (PQC) implementations and digital trust systems in the context of quantum computing threats. The objectives are to develop robust PQC schemes resistant to various implementation attacks, deepen the understanding of quantum hardness in cryptographic problems, and design post-quantum protocols for privacy-friendly digital applications. Eligible applicants are legal entities established in EU Member States or Associated Countries, with participation restricted to those not controlled by entities from non-eligible countries, to safeguard the Union's strategic interests and security. The call is open to research organisations, universities, public and private entities, and companies that meet these criteria.

Funding

The support is provided as a non-refundable lump sum grant under Horizon Europe Research and Innovation Actions (RIA). The funding rate is up to 100% of eligible costs. The EU contribution per project is

expected to be between €3 and €4 million, with a total topic budget of €19 million. Approximately three grants are expected to be awarded under this call.

SPESE AMMISSIBILI

- Personnel Costs
- Travel costs
- Equipment costs
- Other goods, works and services costs
- Subcontracting
- Indirect Costs

BONUS E MAGGIORAZIONI

- Proposals addressing multiple technology areas within the topic
- Proposals involving comprehensive guidelines for countermeasures against attacks
- Proposals including automated security evaluation frameworks

IDONEITÀ

Modalità di Candidatura

Aggregata / Partenariato

Settori Idonei

- ICT e Software
- Altro

Tipologie Aziendali

- Microimpresa
- PMI
- Small Mid-Cap
- Mid-Cap
- Grande impresa
- Enti privati non profit
- Enti pubblici

Tipi di Azione

- Development of secure post-quantum cryptography (PQC) implementations
- Research on quantum hardness and cryptanalysis
- Design of quantum-resistant protocols for digital trust and identity
- Creation of automated tools for PQC security evaluation

- Development of formal verification methodologies for PQC
- Research on AI-powered and combined implementation attacks
- Design of privacy-friendly post-quantum applications and services
- Research and Innovation Action

DETTAGLI PROGRAMMA UE

ID Bando	Cluster
HORIZON-CL3-2027-02-CS-ECCC-03	Cluster 3: Civil Security for Society
Destinazione	Modalità di Presentazione
-	single-stage
Contributo UE	Progetti Previsti
€3,000,000.00 to €4,000,000.00 per project	3
Regola dell'Intensità di Aiuto	
Up to 100% of eligible costs for Research and Innovation Actions (RIA)	

LINK UFFICIALI

Regolamento Ufficiale

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL3-2027-02-CS-ECCC-03>

Pagina Grantavia

<https://grantavia.com/it/incentives/secure-pqc-implementations-cryptanalysis-and-post-quantum-digital-trust>

Video Informativo

<https://www.youtube.com/shorts/46sBAgRpL5o>

Prenota un incontro

<https://bookings.cloud.microsoft/book/Prenotaunappuntamento@epsa.com/?ismsaljsauthenabed>