

Secure PQC implementations, Cryptanalysis and Post-quantum Digital Trust

Horizon Europe

● PENDENTE

Código

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

Âmbito

Internacional

Localização

Europa

Curadoria

Marlene Faria

DETALHES FINANCEIROS

Tipo de apoio

Fundo Perdido

Taxa Máxima de Financiamento

100%

Dotação

19M€

Valor Elegível do Projeto

Up to 4M€

DATAS E PRAZOS

Data de Publicação

12 de dezembro de 2025

Data de Abertura

2 de março de 2027

Deadline

15 de setembro de 2027 às 17:00 GMT+2

DESCRIÇÃO

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.

DESPESAS ELEGÍVEIS

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

BÓNUS E MAJORAÇÕES

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

ELEGIBILIDADE

Modalidade de Candidatura
Consórcio / Copromoção

Setores Elegíveis

- TIC & Software
- Outro

Tipologia de Beneficiário

- Micro
- PME
- Small Mid-Cap
- Mid-Cap
- Grande
- Entidades privadas sem fins lucrativos
- Entidades públicas

Tipos de Ação

- 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

DETALHES DO PROGRAMA UE

ID da Chamada	Cluster
HORIZON-CL3-2027-02-CS-ECCC-03	Cluster 3: Civil Security for Society
Destino	Modo de Submissão
-	single-stage
Contribuição UE	Projetos Esperados
€3,000,000.00 to €4,000,000.00 per project	3
Regra de Taxa de Financiamento	
Up to 100% of eligible costs for Research and Innovation Actions (RIA)	

LINKS OFICIAIS

Regulamento Oficial

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

Página no Grantavia

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

Vídeo Informativo

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

Agendar reunião

<https://calendly.com/filipa-silva-epsa/reuniao>