

Advanced integrated photonic devices for extended features and ultra-low power consumption (RIA) (Photonics Partnership)

Horizon Europe

CÓDIGO	ÂMBITO
HORIZON-CL4-2027-05-DIGITAL-EMERGING-03	Internacional
LOCALIZAÇÃO	ESTADO
Europa	Pendente
PROGRAMA	CURADORIA DE
Horizon Europe	Marlene Faria
GERADO EM	
19 de junho de 2026	

Detalhes Financeiros

TIPO DE APOIO	TAXA MÁXIMA DE FINANCIAMENTO
Fundo Perdido	100%
DOTAÇÃO	VALOR ELEGÍVEL DO PROJETO
25M€	Up to 5M€
DURAÇÃO MÁXIMA	
48 meses	

Datas e Prazos

DATA DE PUBLICAÇÃO

15 de junho de 2026

DATA DE ABERTURA

17 de novembro de 2026

Fases de Candidatura

- Fase única: 18 de março de 2027 às 16:00

Objetivos

Objectives

This Horizon Europe Research and Innovation Action (RIA) , implemented under the Photonics Partnership , aims to advance the development of next-generation integrated photonic devices and circuits with enhanced functionality, superior performance and ultra-low power consumption. The call seeks to strengthen Europe's leadership in photonics by enabling the wider deployment of photonic technologies across strategic sectors such as digital technologies, industry, automotive, healthcare and security. Projects are expected to improve the performance of electro-optic systems while reducing energy consumption and increasing the competitiveness of the European photonics ecosystem.

Funding

The topic is funded as a Horizon Europe Research and Innovation Action (RIA) with an indicative budget of €25 million . The call follows a single-stage submission process , opening on 17 November 2026 and closing on 18 March 2027 . Funding supports collaborative research projects capable of delivering breakthrough advances in integrated photonics and low-power electro-optic technologies.

Despesas Elegíveis

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

Elegibilidade

Setores Elegíveis

- TIC & Software
- Indústria

Dimensão das Empresas

- Micro
- PME
- Small Mid-Cap
- Mid-Cap

- Grande
- Entidades públicas

Modalidade de Candidatura

- Consórcio / Copromoção

Tipos de Ação

- Research and Innovation Actions

Detalhes do Programa UE

ID DA CHAMADA

HORIZON-CL4-2027-05-DIGITAL-EMERGING-03

CLUSTER

Digital, Industry and Space (Cluster 4)

DESTINO

D3. Achieving open strategic autonomy in digital and emerging enabling technologies

MODO DE SUBMISSÃO

Single-stage

CONTRIBUIÇÃO UE

Around €3,000,000.00 to €5,000,000.00 per project

PROJETOS ESPERADOS

6

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-CL4-2027-05-DIGITAL-EMERGING-03?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL4-2027-05-DIGITAL%20EMERGING-03&isExactMatch=true>

Página no Grantavia: <https://grantavia.com/pt/incentives/advanced-integrated-photonic-devices-for-extended-features-and-ultra-low-power-consumption-ria-photonics-partnership>

Agendar reunião: <https://calendly.com/ines-carreira-fi-group/reuniao>