AI-powered foodome characterization

Horizon Europe

PENDENTE

Código
HORIZON-CL6-2027-02-FARM2FORK-08

Âmbito
Internacional

Localização
Europa

Curadoria
Marlene Faria

DETALHES FINANCEIROS

Tipo de apoio
Fundo Perdido

Taxa Máxima de Financiamento
100%

Dotação
7.8M€

Valor Elegível do Projeto
Up to 7.8M€

DATAS E PRAZOS

Data de Publicação
12 de dezembro de 2025

Data de Abertura
20 de abril de 2027

Deadline
23 de setembro de 2027 às 17:00 GMT+2

DESCRIÇÃO

Objectives

This call aims to support the development of advanced Artificial Intelligence (AI) tools to accelerate the analysis of complex foodomics data, enabling faster identification, structural characterization, and quantification of chemicals present in food. The objective is to expand the current knowledge of the "foodome"—the complete set of compounds in food—beyond the limited set catalogued by traditional databases, addressing the vast "nutrient dark matter" that remains largely unquantified. The call seeks to improve research capacity and foster synergies between academia, research infrastructures, and industry in foodomics. Eligible applicants include consortia comprising industry, academia, startups, SMEs, and international initiatives, with a strong encouragement for multi-actor approaches and collaboration with international partners and existing private companies in the EU or Associated Countries.

Funding

The call provides a single grant of up to €7.8 million, with a funding rate of up to 70% of eligible costs for Innovation Actions (IA) and up to 100% for non-profit legal entities. The total topic budget is €7.8 million. The

support is provided as a non-refundable grant under the Horizon Europe Innovation Actions (HORIZON-IA) scheme.

DESPESAS ELEGÍVEIS

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

BÓNUS E MAJORAÇÕES

- Inclusion of industry, academia, SMEs, and startups in consortia
- Collaboration with international partners and existing private companies
- Multi-actor approach encouraged

ELEGIBILIDADE

Modalidade de Candidatura
Consórcio / Copromoção

Setores Elegíveis

- Agroalimentar
- Saúde & Ciências da Vida
- TIC & Software
- Indústria
- Outro

Tipologia de Beneficiário

- Micro
- PME
- Grande
- Entidades privadas sem fins lucrativos
- Entidades públicas

Tipos de Ação

- Development and validation of AI algorithms for foodomics data analysis
- Creation of AI-ready foodome databases
- Establishment of European research and innovation networks in food exposome

- Testing and demonstration of AI tools for food chemical characterization
- Collaboration between academia, industry, SMEs, and startups
- Standardization and dissemination of AI results in foodomics
- Innovation Action

DETALHES DO PROGRAMA UE

ID da Chamada
HORIZON-CL6-2027-02-FARM2FORK-08

Cluster
Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment

Destino
D2. Fair, healthy and environment-friendly food systems from primary production to consumption

Modo de Submissão
single-stage

Contribuição UE
€7,800,000.00 per project

Projetos Esperados
1

Regra de Taxa de Financiamento
Up to 70% of eligible costs for Innovation Actions (IA); up to 100% for non-profit legal entities

LINKS OFICIAIS

Regulamento Oficial
https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-02-FARM2FORK-08

Página no Grantavia
https://grantavia.com/pt/incentives/ai-powered-foodome-characterization

Agendar reunião
https://calendly.com/filipa-silva-epsa/reuniao