AI-powered foodome characterization

Horizon Europe

IN ATTESA

Codice
HORIZON-CL6-2027-02-FARM2FORK-08

Ambito
Internazionale

Località
Europa

Curatore
Marlene Faria

DETTAGLI FINANZIARI

Tipo di supporto
Fondo perduto

Intensità Massima di Aiuto
100%

Budget
7.8M€

Valore di Progetto Ammissibile
Up to 7.8M€

DATE E SCADENZE

Data di Pubblicazione
12 dicembre 2025

Data di Apertura
20 aprile 2027

Deadline
23 settembre 2027 alle ore 17:00 GMT+2

DESCRIZIONE

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.

SPESE AMMISSIBILI

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

BONUS E MAGGIORAZIONI

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

IDONEITÀ

Modalità di Candidatura
Aggregata / Partenariato

Settori Idonei

- Agroalimentare
- Salute e Life Sciences
- ICT e Software
- Industria
- Altro

Tipologie Aziendali

- Microimpresa
- PMI
- Grande impresa
- Enti privati non profit
- Enti pubblici

Tipi di Azione

- 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

DETTAGLI PROGRAMMA UE

ID Bando
HORIZON-CL6-2027-02-FARM2FORK-08

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

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

Modalità di Presentazione
single-stage

Contributo UE
€7,800,000.00 per project

Progetti Previsti
1

Regola dell'Intensità di Aiuto
Up to 70% of eligible costs for Innovation Actions (IA); up to 100% for non-profit legal entities

LINK UFFICIALI

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

Pagina Grantavia
https://grantavia.com/it/incentives/ai-powered-foodome-characterization

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