

Advanced CBRN-E and smart protective equipment for disaster responders

Horizon Europe

● PENDING

Code

HORIZON-CL3-2027-01-DRS-01

Scope

International

Location

Europe

Curator

Marlene Faria

FINANCIAL DETAILS

Support type

Non-Refundable

Maximum Funding Rate

100%

Budget

7.7M€

Eligible Project Value

3.8M€ - 3.8M€

DATES & DEADLINES

Publication Date

December 12, 2025

Opening Date

May 5, 2027

Deadline

November 4, 2027 at 05:00 PM GMT+1

DESCRIPTION

Objectives

This call aims to support the development of advanced protective gear optimized for Chemical, Biological, Radiological, Nuclear, and Explosives (CBRN-E) environments, as well as a new generation of smart protective equipment for disaster responders. The objective is to enhance the safety, operational efficiency, and effectiveness of responders working in hazardous and high-risk situations. The call is open to consortia including research institutions, manufacturers, end-users, and specifically requires the active involvement of at least two training centres and two practitioners from at least two EU Member States or Associated Countries. Entities established in China or controlled by Chinese entities are not eligible. The call encourages collaboration between research, industry, and practitioners to ensure practical, user-centric solutions.

Funding

The support is provided as a non-refundable grant under the Horizon Europe Innovation Actions (IA) scheme. The funding rate is up to 70% of eligible costs for most participants, and up to 100% for non-profit legal entities. The total budget for the topic is €7.67 million, with an expected EU contribution of €3.835 million per project and two grants anticipated. Eligible costs are reimbursed as a lump sum. The maximum and minimum contribution per project is €3835000.

ELIGIBLE EXPENSES

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

BONUSES & MAJORATIONS

- Active involvement of at least 2 training centres from EU/Associated Countries
- Active involvement of at least 2 practitioners from at least 2 EU/Associated Countries
- Up to 100% funding rate for non-profit legal entities
- Synergies with rescEU and European Civil Protection Pool
- Use of Copernicus and/or Galileo/EGNOS if satellite data is used
- Clustering with existing EU and national research actions
- Focus on inclusion and user-centric design
- Education and training aspects for responders
- Plan for uptake and usability after project end

ELIGIBILITY

Application Mode

Consortium / Copromotion

Eligible Sectors

- Health & Life Sciences
- Industry
- Energy & Environment
- Other

Company Typologies

- Micro
- SME
- Small Mid-Cap
- Mid-Cap
- Large
- Private non-profit entities
- Public entities

Action Types

- Development of advanced protective gear for CBRN-E environments
- Creation of smart protective equipment for disaster responders
- Integration of advanced technologies (e.g., hazard detection, monitoring, communication)
- Stakeholder and market analysis for uptake planning
- Validation and testing with practitioners and training centres
- Collaboration between research institutions, manufacturers, and end-users
- Roadmap for industry and authority uptake
- Building on existing research outputs and technologies
- Demonstration of operational efficiency and safety improvements
- Education and training for first and second responders
- Analysis of capacity gaps and synergies with EU initiatives
- Data-driven insights for operational support
- Innovation Action

EU PROGRAMME DETAILS

Call ID

HORIZON-CL3-2027-01-DRS-01

Cluster

Cluster 3: Civil Security for Society

Destination

D5. Disaster-Resilient Society for Europe

Submission Mode

single-stage

EU Contribution

€3,835,000.00 per project

Expected Projects

2

Funding Rate Rule

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

OFFICIAL LINKS

Official Regulation

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL3-2027-01-DRS-01>

Grantavia page

<https://grantavia.com/en/incentives/advanced-cbrn-e-and-smart-protective-equipment-for-disaster-responders>

Information Video

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

Schedule a meeting

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