

Resource assessment for deep sedimentary and basement reservoirs

Horizon Europe

CÓDIGO	ÂMBITO
HORIZON-CL5-2026-11-D3-06	Internacional
LOCALIZAÇÃO	ESTADO
Europa	Pendente
PROGRAMA	CURADORIA DE
Horizon Europe	Marlene Faria
GERADO EM	
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Detalhes Financeiros

TIPO DE APOIO

Fundo Perdido

DOTAÇÃO

18M€

TAXA MÁXIMA DE FINANCIAMENTO

100%

Datas e Prazos

DATA DE PUBLICAÇÃO

21 de maio de 2026

DATA DE ABERTURA

4 de agosto de 2026

Fases de Candidatura

- Fase única: 1 de dezembro de 2026 às 17:00

Objetivos

Objectives

Projects are expected to:

- Improve the knowledge base of deep geothermal reservoirs , including sedimentary and basement formations

- Increase success rates of drilling and exploration activities , reducing geological uncertainty
- Enable the identification of suitable sites for advanced geothermal systems (e.g. EGS, closed-loop systems)
- Enhance performance and economic viability of geothermal energy production
- Reduce risks associated with geothermal deployment, including induced seismicity and environmental impacts
- Support the scaling-up of geothermal energy contribution to Europe's clean energy transition

Scope

The action focuses on advancing methods and tools for the exploration and assessment of deep geothermal resources in both sedimentary and basement geological settings. This includes developing improved subsurface characterisation techniques and predictive models capable of estimating reservoir properties such as permeability, temperature, and structural features under data-scarce conditions. Projects are expected to integrate multidisciplinary data sources such as geological, geophysical and geochemical information, combined with advanced digital and modelling approaches, to produce more accurate and reliable assessments.

A strong emphasis is placed on addressing the specific technical challenges associated with deep geothermal systems, particularly low permeability, high drilling costs, and the limited availability of subsurface data. The scope also includes supporting reservoir-independent geothermal concepts, especially Enhanced Geothermal Systems and closed-loop technologies, which can exploit resources where conventional approaches are not viable. Activities are expected to cover early-stage research through to validation in relevant environments, typically spanning technology readiness levels from approximately TRL 2–3 up to TRL 5–6.

Funding

The topic is implemented as a Research and Innovation Action under Horizon Europe, using a lump-sum funding approach. The total indicative budget is around €18 million, with individual projects expected to receive approximately €4.5 million each, resulting in a small number of funded consortia. Funding typically covers up to 100% of eligible project costs, in line with standard RIA conditions.

Despesas Elegíveis

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

Elegibilidade

Setores Elegíveis

- Energia & Ambiente

Dimensão das Empresas

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

- Entidades privadas sem fins lucrativos
- Entidades públicas

Modalidade de Candidatura

- Consórcio / Copromoção

Tipos de Ação

- Research and Innovation Action

Detalhes do Programa UE

ID DA CHAMADA

HORIZON-CL5-2026-11-D3-06

CLUSTER

5 – Climate, Energy and Mobility

DESTINO

D3. Sustainable, secure and competitive energy supply

CONTRIBUIÇÃO UE

18000000

PROJETOS ESPERADOS

4

REGRA DE TAXA DE FINANCIAMENTO

Up to 100% for non-profit entities; 70% for other legal entities

Links Oficiais

Regulamento Oficial:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2026-11-D3-06?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL5-2026-11-D3-06&isExactMatch=true&status=31094501,31094502,31094503>

Página no Grantavia: <https://grantavia.com/pt/incentives/resource-assessment-for-deep-sedimentary-and-base-ment-reservoirs>

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