

# Resource assessment for deep sedimentary and basement reservoirs

Horizon Europe

CODICE	HORIZON-CL5-2026-11-D3-06	AMBITO	Internazionale
LOCALITÀ	Europa	STATO	In Attesa
PROGRAMMA	Horizon Europe	CURATO DA	Marlene Faria
GENERATO IL	27 maggio 2026		

## Dettagli Finanziari

TIPO DI SUPPORTO

Contributo a Fondo Perduto

TASSO MASSIMO DI FINANZIAMENTO

100%

BUDGET

18M€

## Date e Scadenze

DATA DI PUBBLICAZIONE

21 maggio 2026

DATA DI APERTURA

4 agosto 2026

## Fasi di Candidatura

- Fase unica: 1 dicembre 2026 alle ore 17:00

## Obiettivi

### 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.

---

## **Spese Ammissibili**

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

---

## **Idoneità**

### **Settori Idonei**

- Energia e Ambiente

### **Dimensioni Aziendali**

- Micro
- PMI
- Small Mid-Cap
- Mid-Cap
- Grande

- Enti privati non profit
- Enti pubblici

### Modalità di Candidatura

- Consorzio / Co-promozione

### Tipi di Azione

- Research and Innovation Action

---

## Dettagli Programma UE

#### ID BANDO

HORIZON-CL5-2026-11-D3-06

#### DESTINAZIONE

D3. Sustainable, secure and competitive energy supply

#### PROGETTI PREVISTI

4

#### CLUSTER

5 – Climate, Energy and Mobility

#### CONTRIBUTO UE

18000000

#### REGOLA DEL TASSO DI FINANZIAMENTO

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

---

## Link Ufficiali

Regolamento Ufficiale:

<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>

Pagina Grantavia: <https://grantavia.com/it/incentives/resource-assessment-for-deep-sedimentary-and-base-ment-reservoirs>

Prenota un incontro: <https://calendly.com/ines-carreira-fi-group/reuniao>