

Resource assessment for deep sedimentary and basement reservoirs

Horizon Europe

CODE	HORIZON-CL5-2026-11-D3-06	SCOPE	International
LOCATION	Europe	STATUS	Pending
PROGRAM	Horizon Europe	CURATED BY	Marlene Faria
GENERATED AT	May 27, 2026		

Financial Details

SUPPORT TYPE	Non-Refundable	MAXIMUM FUNDING RATE	100%
BUDGET	18M€		

Dates & Deadlines

PUBLICATION DATE	May 21, 2026	OPENING DATE	August 4, 2026
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Application Phases

- Fase única: December 1, 2026 at 05:00 PM

Objectives

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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.

Eligible Expenses

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

Eligibility

Eligible Sectors

- Energy & Environment

Company Sizes

- Micro
- Sme
- Small Mid-Cap
- Mid-Cap
- Large

- Private non-profit entities
- Public entities

Application Mode

- Consortium / Copromotion

Action Types

- Research and Innovation Action

EU Programme Details

CALL ID	CLUSTER
HORIZON-CL5-2026-11-D3-06	5 – Climate, Energy and Mobility
DESTINATION	EU CONTRIBUTION
D3. Sustainable, secure and competitive energy supply	18000000
EXPECTED PROJECTS	FUNDING RATE RULE
4	Up to 100% for non-profit entities; 70% for other legal entities

Official Links

Official Regulation:

<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>

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

Schedule a meeting: <https://calendly.com/ines-carreira-fi-group/reuniao>