

Advancements in Direct Air Capture

Horizon Europe

CODE	SCOPE
HORIZON-CL5-2027-02-D3-30	International
LOCATION	STATUS
Europe	Pending
PROGRAM	CURATED BY
Horizon Europe	Marlene Faria
GENERATED AT	
September 25, 2026	

Financial Details

SUPPORT TYPE	MAXIMUM FUNDING RATE
Non-Refundable	100%
BUDGET	ELIGIBLE PROJECT VALUE
16M€	Up to 8M€

Dates & Deadlines

PUBLICATION DATE	OPENING DATE
September 25, 2026	December 3, 2026

Application Phases

- Phase 1: March 31, 2027 at 03:00 PM

Objectives

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This call aims to accelerate the commercial availability of Direct Air Capture (DAC) technologies by supporting projects that will scale existing technical solutions to at least pilot demonstration level (TRL 7 or higher) in relevant environments. The main objective is to foster improvements in cost efficiency, material performance, process design, and validation, enabling significant progress toward sustainable, secure, and competitive European energy supply.

Eligible entities are consortia consisting of legal entities from eligible countries, typically including energy producers, technology providers, research institutions, and other relevant stakeholders willing to drive DAC technologies closer to commercial deployment. Projects are encouraged to conduct comprehensive life cycle assessments (LCA) covering environmental impacts from material extraction, energy use, and emissions to end-of-life, and to consider international cooperation with countries participating in the Mission Innovation Carbon Dioxide Removal initiative.

Funding

This call provides lump sum grants under the Horizon Europe framework. The overall budget for HORIZON-CL5-2027-02-D3-30 is €16,000,000, with an expected EU contribution of about €8,000,000 per funded project and two grants planned. The maximum funding rate is typically 70% of eligible costs for for-profit entities and up to 100% for certain non-profit and public law organizations, as defined in the Horizon Europe General Annexes. Lump sum grants streamline financial management and reporting by establishing fixed grant amounts at the proposal stage. There are no published minimum or maximum project investment values beyond the indicated EU contribution expectations.

Eligible Expenses

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

Eligibility

Eligible Sectors

- Industry
- Energy & Environment

Company Typologies

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

Application Mode

- Consortium / Copromotion

Action Types

- Pilot demonstration of direct air capture technologies
- Material and process innovation for CO2 capture
- Flexible energy supply integration

- Life cycle assessment
- Scale-up and manufacturing process improvement
- Environmental impact evaluation
- Innovation Action

EU Programme Details

CALL ID

HORIZON-CL5-2027-02-D3-30

CLUSTER

Cluster 5: Climate, Energy and Mobility

DESTINATION

Destination 3 : Sustainable, secure and competitive energy supply

SUBMISSION MODE

Single-stage

EU CONTRIBUTION

around 8 000 000 EUR

EXPECTED PROJECTS

2

FUNDING RATE RULE

Up to 70% for Innovation Actions (up to 100% for non-profit entities only)

Official Links

Official Regulation:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2027-02-D3-30?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL5-2027-02-D3-30&isExactMatch=true&status=31094501,31094502,31094503>

Grantavia page: <https://grantavia.com/en/incentives/advancements-in-direct-air-capture>

Schedule a meeting: <https://calendly.com/sandra-cardoso-epsa/reuniao>