

Improved system design for innovative PV applications (EUPI-PV Partnership)

Horizon Europe

| | | | |
|--------------|---------------------------|------------|---------------|
| CODE | HORIZON-CL5-2026-11-D3-14 | SCOPE | International |
| LOCATION | Europe | STATUS | Pending |
| PROGRAM | Horizon Europe | CURATED BY | Marlene Faria |
| GENERATED AT | July 11, 2026 | | |

Financial Details

| | | | |
|--------------|----------------|----------------------|------|
| SUPPORT TYPE | Non-Refundable | MAXIMUM FUNDING RATE | 100% |
| BUDGET | 30M€ | | |

Dates & Deadlines

| | | | |
|------------------|-------------|--------------|----------------|
| PUBLICATION DATE | Not defined | OPENING DATE | August 4, 2026 |
|------------------|-------------|--------------|----------------|

Application Phases

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

Objectives

Objectives

Projects are expected to demonstrate innovative photovoltaic system designs in real operating conditions, focusing on either agrivoltaics or offshore/nearshore PV applications. They should enable the simultaneous use of land or sea for energy generation and other activities, such as agriculture or marine use, thereby reducing land-use conflicts and

improving resource efficiency. A key objective is to significantly improve system performance by increasing energy yield, reducing costs (CAPEX and OPEX), and lowering the levelised cost of electricity.

Projects should also contribute to strengthening the European photovoltaic value chain by enabling new business models, opening new markets, and supporting bankable and scalable solutions. In addition, they are expected to deliver environmental benefits such as biodiversity protection, water conservation, and minimised impacts on land and marine ecosystems, while addressing societal and policy challenges linked to large-scale PV deployment.

Scope

The action supports large-scale demonstration of advanced PV system designs, requiring real installations (multi MW scale) rather than simulations. Projects must focus on either agrivoltaics or offshore/nearshore PV and develop optimised system architectures, accurate energy yield modelling, and solutions for environmental, technical, and grid integration challenges.

They should also address climate resilience, permitting, and socio-economic aspects, while delivering validated performance data under real conditions. Activities are expected to reach high maturity, typically around TRL 7–8.

Funding

The topic is implemented as an Innovation Action under Horizon Europe, using a lump-sum funding model. The total indicative budget is approximately €30 million, with around four projects expected to be funded, each receiving about €7.5 million. Funding can cover up to 100% of eligible costs in line with standard Horizon Europe rules for Innovation Actions.

The call is scheduled to open in early August 2026, with a submission deadline of 1 December 2026. Projects must be implemented by international consortia involving multiple partners from different eligible countries, including industry, research organisations, and other relevant stakeholders.

The funding specifically targets large-scale demonstrators and requires clear exploitation plans, including business models and pathways to commercialisation, ensuring that project results can be deployed and scaled in the European market.

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
- Non-business entities of the R&I system (ENESII)
- Private non-profit entities
- Public entities

Application Mode

- Consortium / Copromotion

EU Programme Details

| | |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| CALL ID | CLUSTER |
| HORIZON-CL5-2026-11-D3-14 | 5 |
| DESTINATION | EU CONTRIBUTION |
| D3. Sustainable, secure and competitive energy supply | 30000000 |
| EXPECTED PROJECTS | FUNDING RATE RULE |
| 3 | Up to 100% for non-profit organizations; up to 70% for commercial entities under Horizon Europe standard rules. |

Official Links

Official Regulation:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2026-11-D3-14?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL5-2026-11-D3-14&isExactMatch=true&status=31094501,31094502,31094503>

Grantavia page: <https://grantavia.com/en/incentives/improved-system-design-for-innovative-pv-applications-eupi-pv-partnership>

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