

Wind Energy R&I industrialisation, scale-up and demonstration at large scale

Horizon Europe

CODICE

HORIZON-CL5-2026-09-D3-03

AMBITO

Internazionale

LOCALITÀ

Europa

STATO

In Attesa

PROGRAMMA

Horizon Europe

CURATO DA

Maria Macedo

GENERATO IL

28 aprile 2026

Descrizione

Objectives

The main objective of this incentive is to advance research and innovation in wind energy, directly supporting the Strategic Energy Technology (SET) Plan's priorities for the sector. Eligible entities include research organizations, academia, start-ups, scale-ups, SMEs, industries, and other public or private actors. The action targets improvements in wind energy technology efficiency, flexibility, reliability, and sustainability, while aiming to reduce costs and environmental impact. Cooperation among actors is emphasized to avoid fragmentation and encourage the alignment of efforts, with a key focus on both energy producers and consumers achieving benefits throughout the wind farm lifecycle.

Project Typologies

Projects may be structured into three main challenges: breakthrough, validation, and demonstration. The eligible expense categories include direct research and innovation activities (such as automation, AI integration, digitalisation, and advanced materials), validation and demonstration of innovative technologies (including large-scale testing, grid integration, and sustainability solutions), and activities supporting environmental and social impact assessments. Specific eligible expenses are:

- Mass production supported by automation and robust supply chains
- Digitalisation and deployment of AI in both industrial and operational environments
- Development and validation of advanced repair, maintenance, and sensor solutions
- Grid integration, energy storage, and hybrid plant solutions
- Material substitution, recycling, and circularity-focused activities
- Floating offshore wind technology development

- Upgrade and development of wind energy infrastructure and test centres
- Assessment of environmental, climate, and social impacts
- Activities supporting stakeholder engagement and public participation
- Emerging and innovative wind energy system technologies

Financing

The total maximum EU funding for demonstration activities under this call is EUR 50 million. Up to EUR 8 million may be allocated to the breakthrough challenge and up to EUR 16 million to validation through financial support to third parties (FSTP). The budget for project management is typically expected not to exceed 7% of total EU funding. Project co-financing is aligned with Horizon Europe rules. Projects must implement at least three demonstration activities, each with a clear, distinct focus, and demonstrated for a continuous period of at least six months. Supported FSTP projects should have a relatively short duration (12-18 months).

Constraints

The maximum project duration is expected to be around 5 years. Each demonstration activity must include a go/no-go milestone requiring proof of permits, detailed engineering plans, and a business implementation plan. Supported actions must contribute to achieving technological readiness levels (TRL) 6-8 by the project's end. Monitoring of progress will rely on high-level and technology-specific KPIs as defined by SET Plan stakeholders. Proper financial management and risk mitigation plans are mandatory, with special attention to the demonstration activities' timely go-decision. Governance requires periodic evaluation of FSTP calls and selection criteria, set by the project consortium in accordance with EU rules. A clear pathway for permit acquisition, financial closure, and a transparent methodology for calls and competitions are essential requirements.

Date e Scadenze

DATA DI PUBBLICAZIONE

Non definita

DATA DI APERTURA

5 maggio 2026

Fasi di Candidatura

- Deadline: 15 settembre 2026 alle ore 16:00

Dettagli Finanziari

TIPO DI SUPPORTO

Contributo a Fondo Perduto

TASSO MASSIMO DI FINANZIAMENTO

100%

BUDGET

93M€

VALORE DI PROGETTO AMMISSIBILE

Up to 93M€

Criteri e Documenti

Spese Ammissibili

- Personnel costs
- Equipment
- Subcontracting
- Travel and subsistence
- Financial support to third parties (FSTP)

- Other goods, works and services
- Indirect costs

Condizioni di Accesso

- Fulfillment of FSTP requirements for third-party support
- Legal entities from EU Member States and Associated Countries
- Adherence to Horizon Europe admissibility and eligibility rules
- Consortium must include partners from at least three different EU Member States or Associated Countries
- Compliance with general and specific admissibility and eligibility criteria of Horizon Europe

Criteri di Selezione

- Excellence (scientific and technical merit)
- Impact (contribution to policy and partnership KPIs)
- Quality and efficiency of implementation

Informazioni Obbligatorie

- Implementation and business plan for demonstration activities
- Permits for deployment
- Engineering plans compliant with applicable standards
- Financial management and risk mitigation plan
- Completed application form (Part A and Part B)
- Annexes if required
- Lump sum budget file

Indicatori di Risultato

- Number and quality of innovation activities completed
- Progress in TRL 6-8 technologies for wind energy
- Environmental and socio-economic impact metrics
- Achievement of high-level SET Plan KPIs

Dettagli Programma UE

ID BANDO

HORIZON-CL5-2026-09-D3-03

CLUSTER

5 – Climate, Energy and Mobility

DESTINAZIONE

Destination 3 – Sustainable, secure and competitive energy supply

CONTRIBUTO UE

93000000

REGOLA DEL TASSO DI FINANZIAMENTO

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

Idoneità

Settori Idonei

- Energia e Ambiente
- Industria
- Altro

Dimensioni Aziendali

- Micro
- PMI
- Small Mid-Cap
- Mid-Cap
- Grande
- Enti privati non profit
- Enti pubblici

Tipi di Azione

- Innovation actions
- Demonstration activities
- Validation activities
- Financial support to third parties

Link Ufficiali

Regolamento Ufficiale: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2026-09-D3-03>

Pagina Grantavia: <https://grantavia.com/it/incentives/wind-energy-ri-industrialisation-scale-up-and-demonstration-at-large-scale>

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