

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

Horizon Europe

CÓDIGO	ÂMBITO
HORIZON-CL5-2026-09-D3-03	Internacional
LOCALIZAÇÃO	ESTADO
Europa	Aberto
PROGRAMA	CURADORIA DE
Horizon Europe	Maria Macedo
GERADO EM	
8 de junho de 2026	

Detalhes Financeiros

TIPO DE APOIO	TAXA MÁXIMA DE FINANCIAMENTO
Fundo Perdido	100%
DOTAÇÃO	VALOR ELEGÍVEL DO PROJETO
93M€	Up to 93M€

Datas e Prazos

DATA DE PUBLICAÇÃO	DATA DE ABERTURA
Não definida	5 de maio de 2026

Fases de Candidatura

- Deadline: 15 de setembro de 2026 às 16:00 (100 dias restantes)

Objetivos

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.

Despesas Elegíveis

- Personnel costs
- Equipment
- Subcontracting
- Travel and subsistence
- Financial support to third parties (FSTP)
- Other goods, works and services

- Indirect costs

Elegibilidade

Setores Elegíveis

- Indústria
- Energia & Ambiente
- Outro

Dimensão das Empresas

- Micro
- PME
- Small Mid-Cap
- Mid-Cap
- Grande
- Entidades privadas sem fins lucrativos
- Entidades públicas

Tipos de Ação

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

Detalhes do Programa UE

ID DA CHAMADA

HORIZON-CL5-2026-09-D3-03

CLUSTER

5 – Climate, Energy and Mobility

DESTINO

Destination 3 – Sustainable, secure and competitive energy supply

CONTRIBUIÇÃO UE

93000000

REGRA DE TAXA DE FINANCIAMENTO

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

Links Oficiais

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

Página no Grantavia: <https://grantavia.com/pt/incentives/wind-energy-ri-industrialisation-scale-up-and-demonstration-at-large-scale>

Agendar reunião: <https://calendly.com/ines-carreira-fi-group/reuniao>