

Horizon 2020 Green Deal Call 2020 - Energy

EU Energy Focus is the UK's National Contact Point (NCP) service for Energy. It is a free UK Government-funded service, that aims to ensure that UK organisations are well informed and have every chance of success in applying for and securing European funding for energy-related projects.

The service includes one-to-one discussion of proposal ideas for relevance to the Calls for Proposals, support during the proposal development process and review of draft proposals.

UK organisations will remain eligible to participate in and coordinate consortia, including for the Horizon 2020 Calls listed below. More information can be found at www.euenergyfocus.co.uk or via our helpline, contact details below.

The tables below summarise the content of the Horizon 2020 Green Deal Call – Clean, Affordable and Secure Energy topics. Please refer to the [Work Programme](#) for the full Call topic descriptions.

Please contact the team if you have any queries on Horizon 2020 Energy.

EU Energy Focus

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Clean, Affordable and Secure Energy

Opening	17 September 2020	
Deadline	26 January 2021	
Evaluation procedure	Single stage	
Call topics (funding action), expected EU funding per project	Indicative budget (M€)	
LC-GD-2-1-2020 : Innovative land-based and offshore renewable energy technologies and their integration into the energy system		
Subtopic 1: Development of land-based renewable energy technologies and their integration into the energy system (RIA), €3M-6M	18	
Scope¹		
Innovative solutions for either district heating and/or cooling systems or CHP by combining two or more different land-based renewable energy sources/technologies (bringing the proposed solutions to TRL 4-5).		
Impact¹		
Clear benefits for the reduction of greenhouse gas emissions, air pollutant emissions and the use of fossil fuels. Demonstrate that an affordable, reliable, secure and flexible DHC and or CHP system based on onshore, local renewables can be designed, being adaptive and scalable according to demand.		

¹ Please refer to the [Work Programme](#) for the full Call topic text or click on the link for each Call topic.

Subtopic 2: Demonstration of innovative technologies to enable future large scale deployment of offshore renewable energy (IA), €20M -35M	68
Scope¹	
<p>Projects must demonstrate at sea (bringing to TRL7) critical offshore renewable energy innovations considering the efficiency, reliability, scalability, sustainability and circularity that is needed in all areas of the offshore renewable energy system, notably:</p> <ul style="list-style-type: none"> • Offshore renewable power generating systems: and/or • Grid infrastructure <p>Project may also include Power to X/battery/storage systems.</p>	
Impact¹	
<p>Projects should:</p> <ul style="list-style-type: none"> • Clearly demonstrate all potential impacts on the future roll-out of large-scale deployment of offshore RE, the market perspective and all other environmental, ecological, social and economic impacts along the value chain. • Increase incentives for investment and economies of scale in offshore bringing down costs and create new business models and services. 	
<u>LC-GD-2-2-2020</u>: Develop and demonstrate a 100 MW electrolyser upscaling the link between renewables and commercial/industrial applications (IA), €25M-30M²	60
Scope¹	
<p>To install and operate a 100MW electrolyser to produce renewable hydrogen as energy carrier or as a feedstock (bringing to TRL 8). Wide ranging activities listed – technical, economic, safety, social/societal, environmental. There are also mandatory knowledge sharing activities.</p>	
Impact¹	
<p>Wide-ranging impacts listed – technological, operational, environmental, cost competitiveness.</p>	
<u>LC-GD-2-3-2020</u>: Accelerating the green transition and energy access Partnership with Africa (IA), €5M-10M³	40
Scope¹	
<p>Actions should demonstrate innovative sustainable energy solutions that consider climate adaptation and climate mitigation in the African social, economic and environmental contexts.</p> <p>The solutions may address:</p> <ul style="list-style-type: none"> • developments in the areas of renewable energy sources, including solutions for off-grid communities, and their integration into existing energy system. • energy efficiency. 	
Impact¹	
<p>Wide-range of short, medium and long term impacts – technological, operational, economic, environmental, social.</p>	

² GD-2-2-2020: due to the nature of the supported developments that undertake innovation activities in a market environment the funding rate is reduced to 50%.

³ GD-2-3-2020: in addition to the above at least two partners from at least one African country must be part of the consortium.

Other topics with relevance to energy

Opening	17 September 2020
Deadline	26 January 2021
Evaluation procedure	Single stage
Call topics (funding action), expected EU funding per project	Indicative budget (M€)
Area 3: Industry for a clean and circular economy	
LC-GD-3-1-2020: Closing the industrial carbon cycle to combat climate change - Industrial feasibility of catalytic routes for sustainable alternatives to fossil resources (IA), €40M	80
LC-GD-3-2-2020: Demonstration of systemic solutions for the territorial deployment of the circular economy (IA), €10M-20M	60
Area 4: Energy and resource efficient buildings	
LC-GD-4-1-2020: Building and renovating in an energy and resource efficient way (IA), €10M-20M	60
Area 5: Sustainable and smart mobility	
LC-GD-5-1-2020: Green airports and ports as multimodal hubs for sustainable and smart mobility (IA), €15M-25M	100
Area 10: Empowering citizens for the transition towards a climate neutral, sustainable Europe	
LC-GD-10-1-2020: European capacities for citizen deliberation and participation for the Green Deal (RIA), €3M-5M	10
LC-GD-10-2-2020: Behavioural, social and cultural change for the Green Deal (RIA), €3M-5M	10
LC-GD-10-3-2020: Enabling citizens to act on climate change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement (IA), €3M-5M	25

Funding action definitions:

Research and Innovation Actions (RIA):

- Includes basic and applied research, technology development and integration, testing and validation on a small scale prototype in a laboratory or simulated environment
- 3 independent legal entities from different Member States or Associated Countries
- Funding rate: maximum 100%

Innovation Actions (IA):

- Includes demonstration or pilot to validate technical and economic viability of a new or improved technology, product, process, service or solution in an operational (or near to operational) environment.
- Also 'market replication' i.e. support for the first application or deployment in the market of an already demonstrated innovation
- 3 independent legal entities from different Member States or Associated Countries
Funding rate: maximum 70% (except for non-profit legal entities where a maximum of 100% applies – check precise definition)