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Energy & Transport

Green Deal Call

LC-GD-2-3-2020: Accelerating the green transition and energy access Partnership with Africa

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Research and
Innovation

The AU-EU High Level Policy Dialogue on science, technology and innovation

Established in 2010 under the Joint Africa EU Strategy

- Food Nutrition Security and Sustainable Agriculture (FNSSA) partnership established in 2014
- Climate Change and Sustainable Energy (CCSE) partnership established in 2017

Climate Change and Sustainable Energy (CCSE) partnership

- Climate Action for adaptation and mitigation
- Sustainable Energy
 - Renewable energy
 - Energy efficiency



LC-GD-2-3-2020 – Scope – Main focus



- **Development of renewable energy sources**, including solutions for off-grid communities, and their integration into existing energy system, considering the generation of renewable energy, the transmission, and the use of storage/battery systems.

OR

- **Energy Efficiency**
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- **Demonstrate innovative sustainable energy solutions** that consider climate adaptation and mitigation potential compared to other technologies/solutions in the African social, economic and environmental contexts
- Solutions should **consider both urbanised and rural contexts in Africa**, and the ongoing **water-energy-food nexus action**, with the aim of **providing sustainable energy access** (electricity/cooking) and/or **creating improved health, economic wealth and jobs** (productive use of energy/energy efficiency).

LC-GD-2-3-2020 – Scope – Actions should

- Design, construct, commission and operate the demonstration installation.
- Develop and implement a tailored value chain approach, identifying the most suitable manufacturing value chains, on the basis of the local context, local material supply chain(s) and local workforce, with the objective of ensuring sustainable local economic development.
- Include the identification of technical, vocational and educational needs of the workforce and propose relevant training and qualification activities.
- Define a market and business strategy to ensure impact through a quick and viable commercial take-up of the technological solution demonstrated
- Include a life cycle analysis showing the impact of the proposed solutions compared to other technologies/solutions on the environment, on climate change targets and on the social and the economic dimensions, taking a cradle to grave viewpoint..



LC-GD-2-3-2020 – Scope – To remember

- Where relevant, proposals should consider adopting a circular economy approach, aligned with the European Green Deal priorities.
- As the demonstration installation will be located in Africa, relevant African partners have to participate in the implementation of the project. **A balanced consortium between European and African partners will be considered an asset in the evaluation.**
- Copernicus data and products (focussed on available hydro, wind, solar or marine energy resources) and may also support life cycle analysis to evaluate the impact on humans and the environment (including impact on biodiversity) these new energy plants.
- Actions should also participate in and contribute to the EU/AU Partnership on Climate Change and Sustainable Energy, in particular through cooperation/collaboration with the project to be funded under the topic LC-SC3-JA-5-2020, "Long Term EU-Africa Partnership for Research and Innovation actions in the area of renewable energy".



LC-GD-2-3-2020 – Expected Impacts – Short-Term



- Technologically reliable and economically viable solutions;
- Proven positive environmental, health, climate, social and economic impacts of the renewable energy solutions, by putting at place measures and mechanisms in line with the highest European Environmental and Social standards (see ESIA procedure), and taking into consideration the upcoming taxonomy principles and mechanism;
- Climate adaptation and climate mitigation potential of the solutions compared to other technologies/solutions;
- Strengthening of the joint EU-AU Climate Change and Sustainable Energy Partnership efforts, with emphasis on improving the visibility of EU Science Diplomacy actions in Africa.

LC-GD-2-3-2020 – Expected Impacts – Medium/Long-Term

Medium Term Expected Impacts

- Creation of new market opportunities for both European and African companies on the African continent;
- Technological uptake on the African continent;
- Acceleration of the achievements of the African continent's targets of the Paris Agreement, in line with Europe's Green Deal ambition of climate neutrality, and its external dimensions.

Longer Term Expected Impacts

- Economic growth and job creation, both in the EU and in African countries;

In addition, the proposed solutions are expected to evidence benefits to contribute to the Sustainable Development Goals 2, 4, 5, 6, 7, 8, 11, 12 and 13



LC-GD-2-3-2020 – Topic Information

Project Size

The Commission considers that proposals requesting a contribution from the EU of between EUR 5 to 10 million would allow the specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts

Budget: 40 million euro

Type of Action: Innovation action

Eligibility and Admissibility conditions:

At least two partners from at least one African country must be part of the consortium.



Information web sites



Joint Communication for a Comprehensive Strategy with Africa

https://ec.europa.eu/international-partnerships/priorities/eu-africa_en

EU/AU High-Level Policy Dialogue

<https://ec.europa.eu/research/iscp/index.cfm?pg=africa>

Africa-Europe Alliance

https://ec.europa.eu/commission/africaeuropealliance_en

Copernicus

<https://www.copernicus.eu/en>

THANK YOU !

