



LEAP-RE

Long-Term Joint EU-AU Research
and Innovation Partnership on Renewable Energy

Research & Innovation Action

May 2022

LEAP-RE Joint Call 2022

Pre-announcement

**2022 Call (second Call) for AU-EU collaborative research
and Innovation projects on Renewable Energy**



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Disclaimer

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State of play and General Information

Renewable energies (RE) are of vital importance in tackling the global challenge posed by climate change and providing reliable energy access to millions of people in Europe, Africa and worldwide. More than 789 million people have no access to electricity and some 2.7 billion people worldwide still rely on the use of traditional biomass for cooking. Half of Africa's total population, i.e. 548 million people were without access to electricity in 2018 (The Renewable Energy

Transition in Africa: Powering Access, Resilience and Prosperity, IRENA, 2021). Therefore, there is a need to increase investment in renewable energy innovation, research, human and institutional capacity. In this regard, the Long-term Europe Africa Partnership on Renewable Energy (LEAP-RE) programme co-funded by the European Commission (EC) under Horizon 2020 aims to increase the use of renewable energy on a well-balanced set of research, demonstration, and technology transfer projects in both continents.

The LEAP-RE programme is conducted by a consortium of 83 partners from European and African countries. The whole budget of the programme is around € 32 million, including € 15 million from the EC. LEAP-RE is structured in three Pillars, Pillar1, object of this pre-announcement call, aims to the implementation of transnational proposals for research, innovation and capacity building, funded by national/regional funding agencies and by the European Commission; Pillar2, a cluster of individual R&I and capacity building projects implemented by members of the consortium, and Pillar3 is in charge of the program management and strategic issues to design an AU-EU long term partnership on renewable energy.

General Call information:

Gathering several African and European funding agencies (members of the LEAP-RE consortium) the joint goal is the preparation and implementation of transnational joint Calls for proposals co-funded by European and African national research funding agencies, with additional EC contribution. The selected projects will focus on achieving goals of mutual benefit based on a balanced and cooperative approach. Particular attention will be given to strengthening the impact of R&I supported activities for the well-being of the society, in Europe and in Africa.

A first co-fund Call was launched in 2021 and 13 projects were selected for funding¹.

The total indicative budget for the 2022 Call is around € 4 million provided by funding organizations, plus €2 million from EC contribution.

¹ <https://www.leap-re.eu/2022/01/26/13-project-proposals-selected-for-funding-via-leap-re-call-for-proposals/>





Particular Call information of the LEAP-RE Joint Call 2022:

- (1) Project consortia must consist of research teams from a minimum of four countries from the two continents, with at least 2 from European countries and at least 2 from African countries and at least from one European country participating to the Call and from one African country participating to the Call.
- (2) Public African partners (universities, public research centres, etc.) from countries not participating to the Call are eligible to request funding.
- (3) Each project consortium applying to the Call should consist of at least one academic partner and at least one partner from the private sector.
- (4) Total requested funding of each project consortium should not exceed € 700 k and most funding agencies have a maximum funding per partner below € 300 k.

Scope of the Call and priority Areas for Collaboration:

(1) LEAP-RE Joint Call 2022 can fund basic research, applied research and experimental development projects that are 12-24 months long.

(2) Applicants should be aware that each funding agency participating to the LEAP-RE Joint Call 2022 will apply its own rules and regulations regarding eligibility and criteria (nationality, thematic, nature of project, TRL, rate of subsidy...).

(3) The range of activities recommended for collaboration under LEAP-RE, will focus on 6 identified multi-annual roadmaps:

1. **Assessment of Renewable Energy Sources and integration of RES in sustainable energy scenarios** – Scenarios assessing the potential role of renewable energy in Europe and Africa per technology, application type with the aim to support the RE industry to prioritize and contextualize target areas of RES deployment
2. **End-of-life and second-life management and environmental impact of RE components** - Map the component value chain, identification of key stakeholders & successful business models promote replicability scenarios of operational models and standard operating procedures in concerned regions
3. **Smart stand-alone systems (SAS)** - Promote the development of RE-SAS demonstrator(s) considering the diversity of potential local RE sources and the local effective environment
4. **Smart grid (different scale) for off grid application** - Development of new tools for optimizing capacity in planning and dispatching strategies based on people's needs with the aim to reduce the energy dependence on fossil fuel and increasing the share of RES use including electricity storage solutions such as batteries, hydrogen...
5. **Processes and appliances for productive uses (PRODUSE)** – Improvement and Promotion of wider use of PRODUSE appliances for Cold chain and thermal tools and equipment's (healthcare and agriculture - livestock, fisheries and farming)





6. **Innovative solutions for priority domestic uses (clean cooking and cold chain)** - Improving, managing and maintaining solar photovoltaic systems, cookstoves and cold chain components for clean cooking and food storage. Supporting interactions with policymaking to foster fast market uptake considering the macro socio-economic and gender impacts

Indicative Call calendar:

Publication of the Call	End June 2022
Deadline for Pre-proposal submission (mandatory)	15th September 2022
Communication of Pre-proposal assessment	Mid November 2022
Deadline for Full Proposal submission	Mid January 2023
Communication of Full-proposal assessment	End March 2023
Latest starting date of selected projects	1st July 2023

General remarks on the selection process















To ensure an effective implementation, and a rigorous monitoring and evaluation, the LEAP-RE Joint Call 2022 will be supported by an International Review Panel : In order to evaluate the projects submitted to the Call an International Review Panel gathering independent experts proposed by funding agencies will be set up. These experts may come from countries not participating in this call.





Indicative list of funding organisations participating to the 2022 Call

(This list is subject to updating)

Country		Funding Organisations and Contact person(s)	
AFRICA	Algeria		 <p>DGRSDT: Directorate-General for Scientific Research and Technological Development Mokhtar Sellami (sellami.leapre@gmail.com)</p>
	Egypt		 <p>ASRT: Academy of Scientific Research And Technology Salma ESSAWI (esalma2010@gmail.com)</p>
	Morocco		 <p>MENFPESRS : Ministry of National Education Vocational Training, Higher Education and Scientific Research Abdelouahid EZZARFI (a.ezzarfi@yahoo.fr)</p>
EUROPE	Austria		 <p>FFG: OESTERREICHISCHE FORSCHUNGSFOERDERUNGSGESELLSCHAFT MBH Elli STEPANOVIC (Elli.Stepanovic@ffg.at)</p>
	Belgium		 <p>FRS-FNRS: Fund for Scientific Research Florence QUIST (florence.quist@frs-fnrs.be) Joël GROENEVELD (joel.groeneveld@frs-fnrs.be)</p>
	France		 <p>ANR: Agence Nationale de la Recherche François MOISAN (Francois.moisan@anr.fr) Marie-Laure TAROT (marie-laure.tarot@anr.fr)</p>
	Italy		 <p>MUR: Ministero dell'Università e della Ricerca Maria Rachele NOCERA (MariaRachele.Nocera@mur.gov.it) Aldo COVELLO (Aldo.Covello@mur.gov.it)</p>





	Germany			BMBF/JÜLICH: Forschungszentrum Jülich GmbH Johanna OHNESORG (j.ohnesorg@fz-juelich.de)
	Romania			UEFISCDI: Executive Agency for Higher Education, Research, Development and Innovation Funding Elena SIMION (elena.simion@uefiscdi.ro)

