LEAP-RE

UCO RESEARCHES HOW TO IMPROVE SOLAR OVENS USED FOR COOKING IN SUB-SAHARAN AFRICA

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

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PRINCIPAL INVESTIGATOR: GUSTAVO DE MIGUEL ROJAS

The European LEAP-RE project arose in line with the seventh of the 2030 Sustainable Development Goals (SDGs), dedicated entirely to energy, whose aim is to guarantee access to affordable, reliable, sustainable and modern energy for all. Along these lines, LEAP-RE seeks to create a long-term partnership between African and European stakeholders in the field of renewable energy.

A team coordinated by Professor Gustavo de Miguel Rojas participates in a European project aimed at facilitating access to renewable energy in Africa

LEAP-RE is made up of 83 partners committed to responsible research and innovation, of which 39 are from African organizations, and 44 from Europe ones. The research group at the University of Córdoba, coordinated by Professor Gustavo de Miguel Rojas, is one of the participating teams, and is in charge of finding solutions for solar ovens used for cooking in sub-Saharan Africa. The UCO's intention is to link photovoltaic systems that generate electricity from sunlight with ovens, as these countries lack electrical networks. In this way, food preparation times are shortened.

One of the most effective ways to propitiate this change is to promote a strategy that furthers local research and innovation through Africa-Europe cooperation, while fostering the conditions necessary to transform research into effective innovation, adapted to Africa's specific social needs, capabilities and aspirations.

The partners will contribute to the production of new knowledge and technologies, thus accelerating the inclusive transition towards reliable and affordable renewable energy. They will also share their knowledge and findings, forging a long-term partnership for efficient collaboration between the African Union (AU) and the European Union (EU) in the field of renewable energy.

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