

Próximo kick-off meeting del proyecto UJA H2020 REFFECT AFRICA

Start date
17/11/2021 - 08:30
Finish date
18/11/2021 - 13:30

Los próximos **17 y 18 de noviembre de 2021** tendrá lugar en la Escuela Politécnica Superior de Linares el *kick-off meeting* del proyecto Horizonte 2020 [REFLECT AFRICA - Renewable Energies for Africa: Effective Valorization of Agri-good Food wastes](#), el cual está coordinado por los investigadores de la Universidad de Jaén David Vera Candeas y Francisco Jurado Melguizo, del Departamento de Ingeniería Eléctrica.

Este proyecto cuenta con un **consorcio formado por 28 participantes**, entre los cuales se encuentran el *Institut National de la Recherche Agronomique* de Marruecos, el *Institut de l'Olivier* de Túnez, *Aswan University* de Egipto, *University de Blida 1* de Argelia, *Ficosterra SL* en España, la *Sawla-Tuna-Kalba District Assembly* de Ghana, la *University of Port Harcourt* de Nigeria, *Senengineering International* de Senegal, *Ethekwini Municipality* en Sudáfrica, *Universidade Eduardo Mondlane* de Mozambique, *Bwiri Enterprise Limited* de Tanzania, *Makerere University* de Uganda, *Ankron Water Services GmbH* en Alemania, *Ps-Itech AS* en Noruega, *Universita di Pisa* en Italia o *Irradiare Investigacao e Desenvolvimento em Engenharia e Ambiente Lda* en Portugal, entre otros socios.

El **Rector de la Universidad de Jaén**, D. Juan Gómez Ortega, inaugurará este encuentro internacional en calidad de inicio de un proyecto prometedor que finalizará en 2026 y que cuenta con un presupuesto total de 8.100.151,25 euros. La agenda de intervenciones incluye también la participación de la Dra. Bárbara De Mena Pardo en calidad de coordinadora en materia de gestión del proyecto.

Fact Sheet Results

Objective

Population without access to electricity is set to increase again in 2020 after 6 years of decline in Africa. The number of people gaining access to electricity in Africa has increased greatly: the number of people without access to electricity dropped from almost 860 million in 2018 to 770 million in 2019, a record low in recent years . Nonetheless, past progress is being reversed due to the Covid-19 pandemic. In order to tackle this, the present proposal will demonstrate innovative, reliable and adapted sustainable energy solutions based on the valorization of biomass wastes from agriculture and the food industry through biomass gasification. REFFECT AFRICA will adapt and optimize these technologies to a wide variety of biomass wastes: olive mill residues, almond hulls and husks, millet, rice, sorghum or peanut wastes and sugarcane bagasse, among others locally available. Three full- scale demonstrators will be built in Morocco, Ghana and South Africa to consider both urbanized and rural contexts in Africa, on- and off-grid solutions, as well as different socio-economic backgrounds. The project will carry out comprehensive LCA and LCC of each supply chain and will consider the climate adaptation and mitigation potential of this technology compared to other technologies and solutions in the African social, economic and environmental contexts. REFFECT AFRICA will tackle the development of renewable energy sources, providing solutions for on-grid and off-grid communities, and their integration into the existing energy system. It will consider the generation of renewable energy, the transmission, and the use of storage systems. With the aim to closing all water- energy-food links, the project will work on obtaining biochar from the gasifier, and will be improved to provide a valuable fertilizer to local farmers. The demonstrators will include a robust but reliable water laboratory to provide their location with basic but often lacking testing services.

Project Information

REFLECT AFRICA
Grant agreement ID: 101036900

Start date
1 November 2021

End date
31 October 2026

Funded under
H2020-EU.3.3.

Overall budget
€ 8 100 151,25

EU contribution
€ 5 962 620,76

Coordinated by
UNIVERSIDAD DE JAEN
Spain

