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## PARTNERS



## REFFECT AFRICA

RENEWABLE ENERGIES FOR AFRICA:  
EFFECTIVE VALORIZATION OF  
AGRI-FOOD WASTES



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 101036900

# REFFECT AFRICA

**REFFECT AFRICA** tackles 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.



**5 Years**



**3 Demo-sites**



**16  
EU-Africa  
countries**



**29 Partners**

The **European Green Deal**, aims to make the European Union, the world's second largest economy, climate neutral by 2050.

The **Horizon Europe** promotes innovation through: research and demonstration of more energy-efficient solutions and measures to combat existing barriers by providing access to financing regulations and knowledge.

## Douar El Hachia

An on-grid application at a food industry in Morocco (at the premises of the olive oil mill Dar Azzaytoune in Douar El Hachia).



## Sawla-Tuna-Kalba

A rural off-grid application in Ghana (in the Sawla-Tuna-Kalba District Assembly, at a school compound, which includes a small medical clinic).

# DEMO-SITES

Three full- scale demonstrators will be built in Morocco, Ghana and South Africa to consider both urbanized and rural contexts in Africa, as well as different socio-economic backgrounds.

The project supports the formation of a circular economy which will reduce waste, lower carbon emissions, reduce the use of non-renewable resources and provide benefits to stakeholders.

## Durban

An urban application at Clairewood Bulk Market, a large-supply market connected on-grid in the eThekweni Municipality, in the city of Durban (South Africa).

