

About us

SESA – Smart Energy Solutions for Africa is a collaborative project between the European Union and nine African countries (Ghana, Kenya, Malawi, Morocco, Namibia, Nigeria, Rwanda, South Africa and Tanzania) that aims at **providing energy access technologies and business models that are easily replicable and generate local opportunities for economic development and social cohesion in Africa.**

Mission

SESA's objective is to mitigate climate change and avoid lock-in situations while **improving access to sustainable energy under affordable and reliable conditions.**

Our aim is to achieve **a high level of replicability of actions.** The project will co-develop innovations with local partners and cooperate closely with sister projects to exploit synergies.

To achieve the project objectives, SESA deploys a **five-pillar conceptual approach** which represents different levels of progress towards achieving set objectives.



INFORM

Boost the accesibility of innovative, affordable and efficient renewable energy solutions in Africa.



IMPLEMENT

Co-develop, innovate and replicate innovative energy solutions tailored to urban and rural contexts across Africa.



INSPIRE

Facilitate exchange and partnerships between Europe and Africa on sustainable energy innovation.



IMPACT

Foster long term partnerships and exchange on innovative sustainable energy solutions.



INITIATE

Enable innovators in African urban and rural communities to leap to sustainable energy.



Living labs

The Living labs will be where **innovations will be co-created** in cooperation between consortium members, innovators and local communities, and tested in urban and rural environments. To achieve SESA's objectives, living labs will be created in nine african cities and counties.

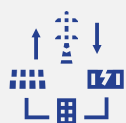


- **Co-development test sites - Western Kenya**
Kisumu (urban) & Homabay (rural) counties
- **Validation sites**
Ghana, Malawi, Morocco, and South Africa
- **Replication sites**
Namibia, Nigeria, Rwanda, and Tanzania

Capacity building

This **NUA Campus platform** is aimed at those who want to enter the world of sustainable energy, seek alternatives to conventional energy sources and opt for sustainable development in both urban and rural contexts. Those include, but are not limited to high school students, technical staff from municipalities and professionals in the field of energy.

Courses



Smart
Microgrids



Second Life
EV Batteries



Rural Internet
Access



Electric Mobility



Clean Cooking
&
Waste to Energy



Solar Energy

Partners:



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