



ENERGY EFFICIENCY FOR SUSTAINABLE LIVELIHOODS IN AFRICA (EELA)

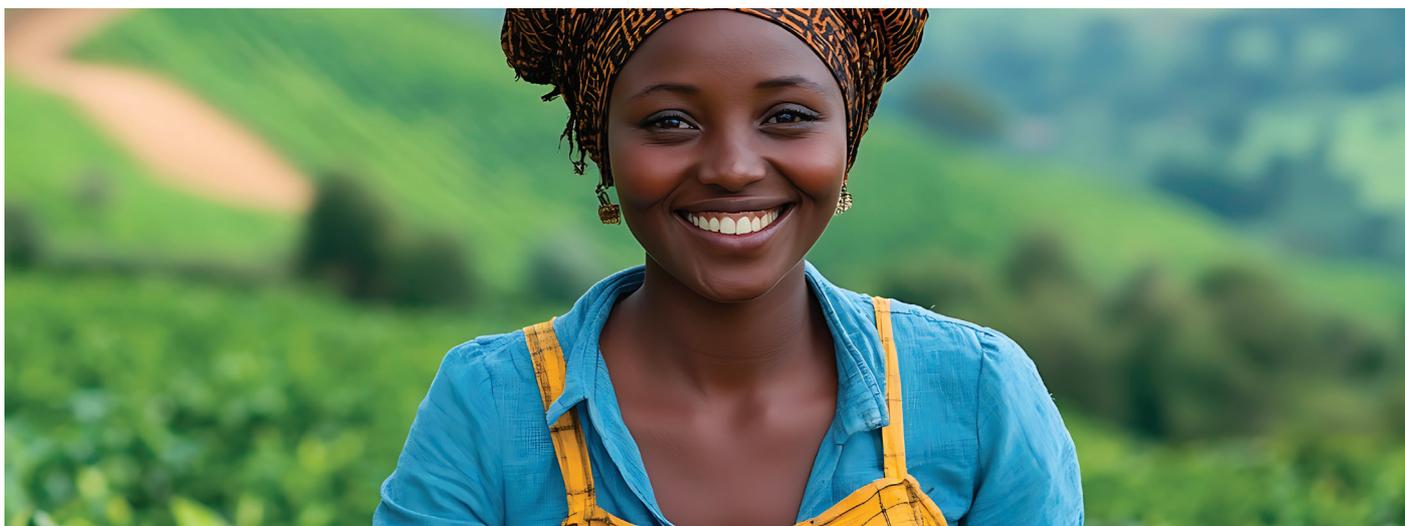
Kenya Country Window

BRIEF DESCRIPTION

The **EELA Kenya Country Window** is part of the overall program entitled “**Energy Efficiency for Sustainable Livelihoods in Africa**” – **EELA program** in short. The EELA program seeks to promote inclusive and sustainable economic growth in Africa through integrated energy efficiency interventions. It focuses on transforming markets towards high-performing, affordable, and energy-efficient appliances, increasing energy efficiency investments in the industrial sector and promotes sustainable local value chains for energy-efficient products and services. It supports the set-up of a **One-stop-shop Industry Clean Tech Platform** linked with de-risking instruments at the national Industry Associations and promotes cooperation with high quality international tech providers. The program includes regional interventions in the ECOWAS, EAC and SADC region through the **EELA Regional project** as well as multiple **EELA Country Windows** such as the

EELA KENYA Country Window, the **EELA ZAMBIA Country Window** and the **EELA ZIMBABWE Country Window**.

The **EELA Kenya Country Window** aims to stimulate inclusive and sustainable economic growth through an integrated Energy Efficiency (EE) project targeting the accelerated uptake of EE Appliances (such as lighting and cooling), enhanced investments in the low-carbon transformation of the industrial sector and skills development for repair, maintenance, and end-of-life treatment of EE equipment. The project directly contributes to the implementation of the Kenya National EE and Conservation Strategy (NEECS) 2020. As Kenya pursues universal energy access and transitions to 100% renewable energy by 2030, incorporating EE initiatives is critical to achieving these goals. EE emerges as a cost-effective solution to curbing demand growth, improving electricity access rates, and enhancing affordability, particularly in the industrial and residential sectors, which account for the largest portion of energy usage in Kenya. The project also



addresses challenges related to increasing electricity demand, escalating fossil fuel and appliance life cycles, and environmental degradation caused by inefficient energy practices.

The **development impact** of the EELA program is to contribute to **poverty reduction** through improved access to sustainable energy for women and men, girls and boys, and to mitigate negative externalities of the energy system. EELA interventions aim to accelerate the demand and uptake of **high-quality energy-efficient products, services and industrial equipment**. This will result in a reduction of household expenditures and energy costs for businesses, enhancing the competitiveness of industries while reducing their carbon footprint. The program targets the **enhanced uptake of productive use equipment to improve livelihoods and reduce post-harvest losses** through high performing and energy efficient on and off-grid cooling and agro-processing equipment. Particular focus is placed on the implementation of various **innovative business models, offering cooling, lighting and broader energy as a service**. This is premised on the assumption that energy efficiency is one of the quickest and cheapest ways to accelerate sustainable development in these growing regions.

KEY EXPECTED OUTCOMES FROM THE PROJECT

OUTCOME 1: THE UPTAKE OF EE APPLIANCES IN KENYA HAS INCREASED THROUGH NATIONAL POLICY AND CAPACITY BUILDING INTERVENTIONS AS WELL AS PRIVATE SECTOR DEVELOPMENT, LINKED TO THE REGIONAL EELA PROJECT

EELA KENYA will leverage the groundwork laid by the regional Sida-funded EELA project with the aim to significantly increase the adoption of EE appliances in Kenya, thereby reducing poverty and mitigating adverse environmental impacts associated with inefficient appliances. Support will be provided to improve the policy and regulatory framework through the adoption and enforcement of Minimum Energy Performance Standards (MEPS), to strengthen the capacity of key market actors, and to enhance private sector investments with a particular focus on the development of the ESCO market in Kenya.

OUTCOME 2: A PRIVATE SECTOR INDUSTRY CLEAN TECH PLATFORM (ICTP) IS SET UP TO ACCELERATE INVESTMENTS IN THE LOW-CARBON TRANSFORMATION OF THE INDUSTRIAL SECTOR PILOTED IN THE TEA INDUSTRY

The replicable and scalable ICTP will serve as a platform for identifying and promoting clean technology solutions within the industrial sector. This will be achieved by supporting industries in the introduction of energy management systems, identifying their investment needs, and facilitating access to suitable technology



and service providers. The ICTP aims to provide a one-stop shop for industrial enterprises to access key sectorial information, datasets, technology suppliers, financing opportunities, and other support services, including training. Its goal is to stimulate economic growth, job creation, and environmental sustainability while reducing the overall impact on the surrounding environment.

OUTCOME 3: SKILLS FOR REPAIR, MAINTENANCE, AND END-OF-LIFE TREATMENT OF ENERGY-EFFICIENT EQUIPMENT ARE ENHANCED IN KENYA WITH A SPECIAL FOCUS ON OFF-GRID EQUIPMENT SUCH AS SOLAR HOME SYSTEMS, OFF-GRID REFRIGERATORS, AND OFF-GRID POWER USAGE EFFECTIVENESS (PUE) SYSTEMS

EELA KENYA also addresses waste management aspects of energy equipment and aims to enhance access to services for the repair and maintenance of energy-efficient equipment. Particularly in rural areas, where access to services for maintenance and repair is limited, the project will enhance the skills of local entrepreneurs who offer services to households and businesses by providing training in collaboration with local TVET institutions. A pilot for the introduction of digital solutions such as virtual reality applications will be implemented to enable a widespread offer of these training programs through a blended approach. By empowering communities with the skills to effectively manage off-grid equipment effectively and establish mechanisms for proper end-of-life disposal of appliances, the project seeks to extend equipment lifespan, reduce waste generation,

and promote resource conservation and environmental responsibility.

OUTCOME 4: AWARENESS RAISING AND COMMUNICATION

EELA KENYA focuses on enhancing awareness and facilitating communication regarding EE initiatives in Kenya. With a gender-responsive approach, this outcome aims to develop a comprehensive strategy outlining various outreach approaches, communication methods, and campaign themes. Through activities such as social media presence, media templates, and roundtable meetings with stakeholders, the project will engage diverse audiences to understand the benefits of EE, MEPS, labels, and PUE appliances. Additionally, annual EE conferences will be organized to promote networking and matchmaking among stakeholders from the energy supply, industry demand, and financial sectors.

THE PROJECT GENERAL INFORMATION

BUDGET: 5.86 Million EUR

PROJECT DURATION: 5 years

IMPLEMENTING AGENCY: UNIDO

KEY NATIONAL COUNTERPARTS:

Ministry of Energy and Petroleum of Kenya, Kenya Association of Manufacturers, KEBS

IMPLEMENTING PARTNERS:

GloFin Advisory AB, Swedish Energy Agency, EACREEE, CLASP Ark Energy, WWF Kenya





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