

Market development and employment promotion in the renewable energy and energy efficiency sectors in Côte d'Ivoire (ProFERE II)

Challenges

Côte d'Ivoire is one of the 195 countries that ratified the Paris Agreement in 2015 and is therefore committed to increasing its efforts to reduce its greenhouse gas (GHG) emissions. In 2022, the country increased its Nationally Determined Contributions (NDCs) to 30.41% by 2030, based on the 2012 Reference Scenario. According to the government's sectoral policy, the share of renewable energy (RE) in the electricity mix should reach 45% by 2030, thanks to an increase in production capacity to 900 MW from photovoltaic, and 410 MW from biomass power plants. The country's NDCs also forecast a 20% increase in energy efficiency (EE) in buildings and industrial facilities.

The Federal Republic of Germany and the Republic of Côte d'Ivoire have signed a cooperation agreement to support the Ministry of Mines, Oil and Energy (MMPE) in achieving national climate change targets. This agreement gave rise to the "Market Development and Employment Promotion in the Renewable Energy and Energy Efficiency Sectors in Côte d'Ivoire" project (ProFERE II), which is part of the Technical cooperation and Partnership for Climate and Development.

ProFERE II focuses on strategies and actions that contribute to the development of the renewable energy and energy efficiency (RE/EE) market in Côte d'Ivoire. The project is being implemented in partnership with the MMPE, the Ministry in charge of TVET (METFPA), the Ministry of the Environment and Sustainable Development (MINEDD), and the Ministry of Higher Education and Scientific Research (MESRS).

Our approach

The objective of ProFERE II is to develop institutional, financial, and human capacity for the deployment of job-creating renewable energy and energy efficiency solutions and to contribute to the achievement of national climate change targets.

The project builds on the impact and experience of ProFERE I (2019 – 2022), which focused on the development of specialized and qualified local expertise in RE/EE.

ProFERE II is implemented through 4 workstreams:

- **Strengthening the institutional capacity of the MMPE and other public institutions to promote RE/EE solutions and to mobilizes climate finance**



From left to right:
 Inter-university training agreement signed
 Workshop co-organized with the Ministry of Energy

This includes advice and support in the application of RE/EE regulations and standards, in the structuring and strategic positioning of the FONAME (National energy fund), and in the promotion of other public financing instruments. The development and promotion of successful RE/EE projects could encourage other actors to plan and implement similar projects.

- **Strengthening the institutional and human capacity of private sector associations**

The project will accompany associations representing companies offering RE/EE solutions and companies likely to invest in these solutions in the development of training courses focusing on RE/EE. The aim is to strengthen the market by improving potential investors' knowledge of RE/EE solutions, available financing instruments and qualified service providers. In addition, capacity building for industry associations, and their potential to lobby government will contribute to the creation of a favorable environment for RE/EE.

- **Support for monitoring of mitigation actions related to Côte d'Ivoire's climate change objectives in the energy sector**

The climate change advisory component of ProFERE II includes supporting energy sector stakeholders in the design of a monitoring, reporting and verification (MRV) system with a focus on the energy sector. A well-designed MRV system is essential for tracking progress towards emission reduction and development goals in the energy sector. The support provided by the project includes improving cooperation between MMPE and MINEDD, developing long-term strategies for decarbonizing the energy sector, and mobilizing climate finance for RE and EE support programs.

- **Vocational Training, Higher Education and Labor Market Services**

The project also works on the development and implementation of demand- and market-driven qualification programmes and the establishment of labor market services in the field of renewable energies (photovoltaics and bioenergy) and renewable

energies/energy efficiency. This is being achieved by integrating RE/EE subjects into initial vocational training courses and developing inter-university RE/EE training courses in higher education.

Dual/twin training approaches will be implemented with companies operating in the RE/EE sector.

Project name	Market development and employment promotion in the renewable energy and energy efficiency sectors in Côte d'Ivoire
Principal	Federal Ministry for Economic Cooperation and Development (BMZ)
Country	Côte d'Ivoire
Main executing agency	Ministry of Mines, Oil and Energy (MMPE)
Duration	01/2023 - 12/2025

The benefits

The performance of ProFERE II is measured by the following indicators:

1. The Ivorian government has mobilized an additional €10million in bilateral and multilateral climate funds to support RE/EE solutions
2. The MMPE or electricity regulator has introduced 5 additional measures to promote RE/EE
3. 10 out of 12 representatives of the Energy or Environment Ministry can provide examples of how the MRV system facilitates the implementation of energy-related mitigation actions outlined in the NDCs
4. 70% of the employers of 80 graduates from university or vocational training courses, including 20 women, confirm that their skills are relevant for employment in the RE/EE labor market.

Success factors

The success of this project is based on the achievements of the first phase of ProFERE (2019-2022), which focused on the development of specialized and qualified local expertise in RE/EE.

During the first phase, 1064 professionals were trained and 5 training modules were developed and integrated in curricula for Higher Education and Technical Vocation. More than 150 companies, including 12 financial institutions, have been trained by the project, and 4 associations have been accompanied in the process of consolidating under a Federation. Moreover 20 energy audits have been carried out and guidelines and best practices shared with the sector. The project will also benefit from the good cooperation and relationships with project partners that were fostered in the first phase of implementation.

A concrete example

The advice and support provided by the project to public institutions for the development and financing of RE/EE projects will enable the actors concerned to acquire the capacity to prepare applications for the mobilization of climate financing and will improve the business environment for companies in the sector.

The project plans to develop an RE/EE promotion programme through the certification of products and people (skills), which will increase the confidence of potential customers and reduce the risk of solutions, thus increasing their use. The increased demand for solutions will have a positive impact on the sector's labor market.

In its first phase, the project intervened mainly in Abidjan, Jackville and Korhogo. During the implementation of ProFERE II, the area of intervention will be extended.



Other items

The project strives to promote gender equality in RE/EE sector. It has developed a female mentoring program, that is renewed in this new phase of the project after being innovated to contribute to the development of opportunities for young girls. In addition, ProFERE II is supporting networking and partnership opportunities for women working in the sector.



Practical course with students from Lycée Professionnel de Jacquévillie

Page.4. Shutterstock: Women working in the field of renewable energy and energy efficiency



Published by

Deutsche Gesellschaft für
Internationale Zusammenarbeit (GIZ) GmbH
Headquarters Bonn and Eschborn, Germany

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As of

September-2023

Printed by

ProFERE II, Abidjan

Design

GIZ

Photo credits

ProFERE II

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In cooperation with the Ministry of Mines, Oil and Energy

GIZ is responsible for the content of this publication.

On behalf of the

Federal Ministry for Economic Cooperation and
Development (BMZ)