

Pilot projects and gender empowerment through a nexus approach

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The Water-Energy-Food Nexus Approach for Rural Development: the role of small-scale renewable energy technologies and gender empowerment



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Shared Prosperity Dignified Life



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Introduction

The model is based on “know-how” by combining pro-poor investments by encouraging small businesses and new job opportunities where women and men will have equal opportunities for decent work.



Objective

- Present the economic, social, and environmental benefits of small-scale RE technologies.
- Present REGEND's pilot projects from a WEF nexus approach
- Highlight opportunities where women and men will have equal opportunities for decent work.

Focusing on integration model in proposing sustainable solutions through real development that suits the local community in its uniqueness.

RE and EE projects will promote integrated agricultural and food production, by reducing the production costs and increase the competitive ability for women in the local community markets.

Achieving a successful model in rural areas that achieves development for the local community in accordance with the national strategy of each country.

Methodology

Integration in offering solutions and diversity in projects according to the needs of the local community

Achieving development and sustainability by linking the energy, water and food sectors

Involving the local community in the various project phases (specifying requirements, implementation phases, operation, maintenance and continuity,)

Justice and equality between all stake holders and strengthening the role of women in the project life cycle

The gender factor: Enabling gender equality

Enhancing the role of women in the local community through charitable societies (pioneering and leadership role)

Enhancing the role of the productive women from the home

Involving and energizing the role of local men and women in the local community in energy, water and food production programs.

The role of charitable societies- women's associations

Participation in the project phases and ensuring continuity of projects.
leadership role for women's associations in development of projects, planning, construction and operation of all projects.

Direct benefit from the project to enhance the role in the local community.

Contribute to activating the role of women producing from homes

Participation in the capacity building and training phases

Charitable societies- women's associations

Rehabilitation of the electrical systems and extensions in the building to achieve the engineering conditions in accordance with the national codes to achieve the conditions of public safety.

Re-design and implement the lighting and air-conditioning systems in buildings according to the required operational conditions for the building's facilities



Charitable societies- women's associations

Thermal insulation of the existing buildings according to the correct engineering standards.

Covering the electricity bill by installing a photovoltaic system that takes into account the current and future consumption of the association

Supplying the building with solar water heating systems.



Energy, water and food for productive farms:

Rehabilitation of water pumping systems in accordance with engineering conditions and improving performance efficiency.

Covering the electricity bill by installing a photovoltaic energy system that takes into account current and future agricultural projects.

Reducing production costs by installing water irrigation and pumping systems using solar energy for farms that are not connected to the electrical grid.

Implement modern irrigation networks that save energy and water.





Home Production Support Projects:

Coordination with local women associations by studying the needs of each productive woman, and contributing to the development of her productive business.



Covering the electricity bill by installing a photovoltaic system that takes into account current and future projects associated with or independent of charitable societies.

Install solar water heaters as needed and Providing homes with LED lighting systems.



Capacity Building and sustainable Women empowerment

On site training of women in basic RE and EE concepts.

Training on cleaning solar systems and monitoring performance.

Awareness and education programs towards energy saving and management.



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Thank you