

Economic and Social Commission for Western Asia

# REGEND's Achievements and Success Stories

Multi-Stakeholder Forum on Upscaling Investment in Small-Scale Renewable Energy in Rural Areas

Marriot Hotel, Tunis, Tunisia

16-17 October 2024



UNITED NATIONS

الاسواق  
ESCWA

Shared Prosperity **Dignified Life**



Sweden  
**Sverige**

# REGEND Framework



**Objectives**  
Improve the livelihood, economic benefits, social inclusion, and gender equality of Arab rural communities by addressing energy poverty, water scarcity, vulnerability to climate change, and other natural resources challenges.



**Drivers**  
Inclusive, sustainable, environmental and economic revival and development of Arab rural communities.



**Cross-cutting**  
Human rights, gender equality, resilience to climate change

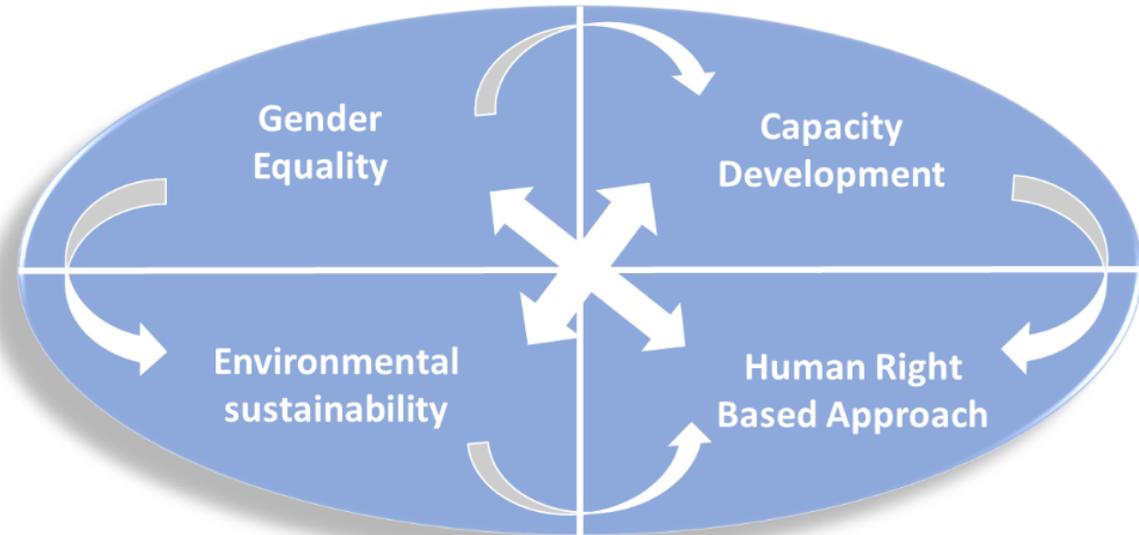
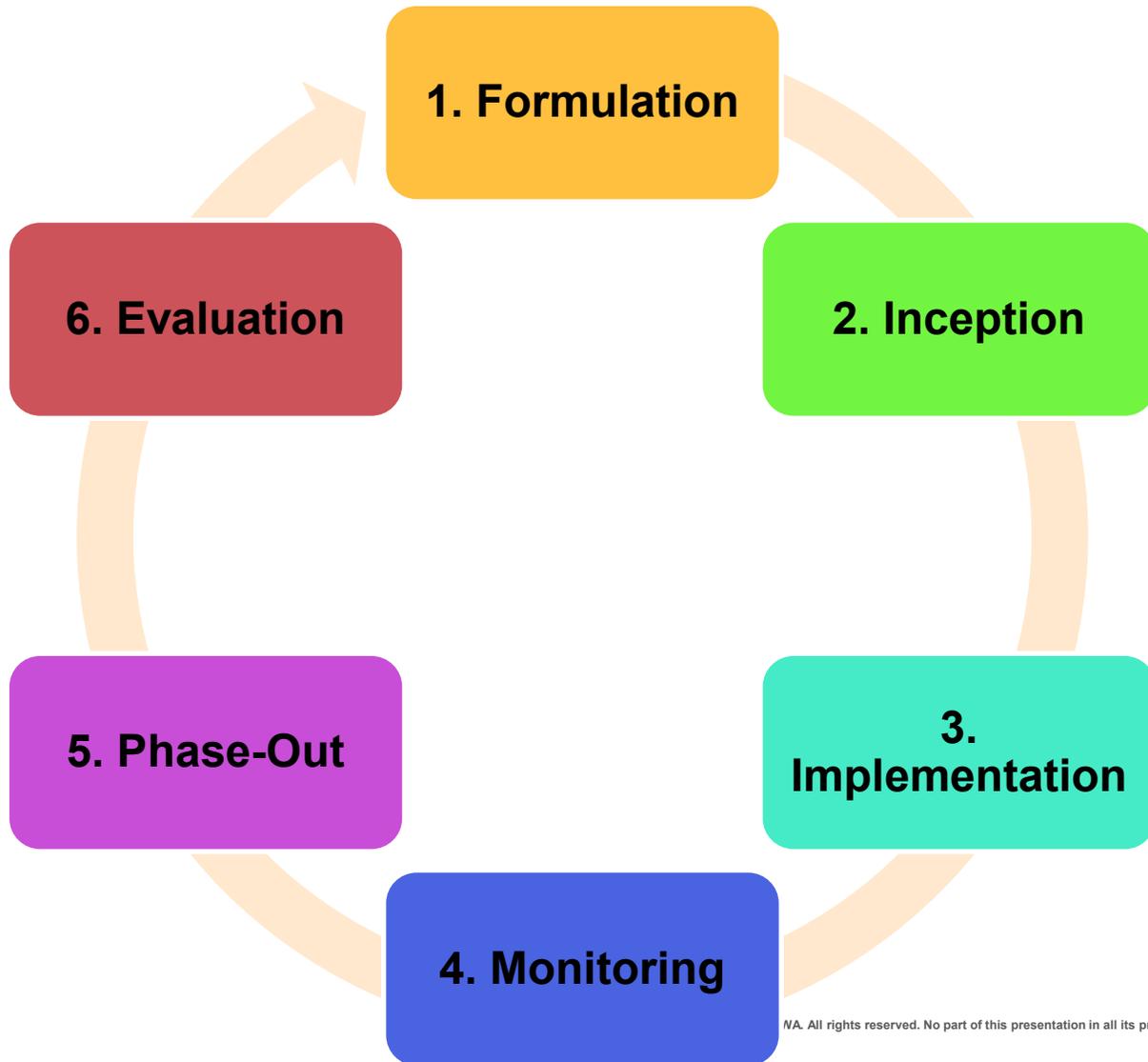


**Context**  
Untapped renewable energy resources, high unemployment, chronic poverty, water scarcity, food insecurity, energy poverty and vulnerability to climate change in rural communities in Arab countries.

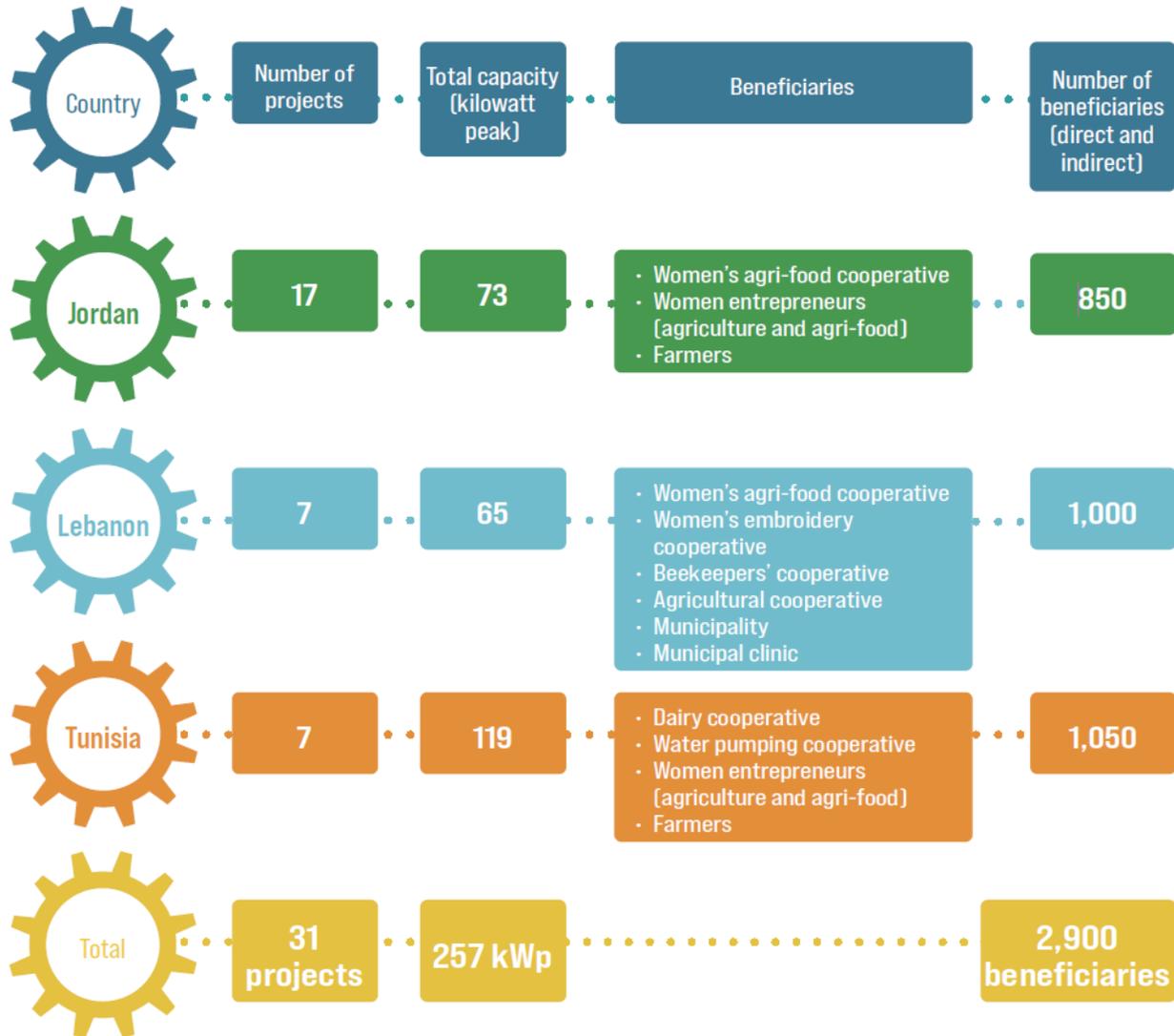


Pillars	Renewable energy technologies	Human capacity	Women's empowerment and social inclusion	Entrepreneurial development	Policy and institutional framework
	<ul style="list-style-type: none"> <li>Effective and innovative small-scale decentralized and modular renewable energy systems</li> <li>Water-energy-food nexus</li> <li>Access to productive resources and appropriate and reliable services</li> </ul>	<ul style="list-style-type: none"> <li>Model based on know-how</li> <li>Trainings, knowledge, skills/ advisory services</li> <li>Improved living standards in resource-poor rural communities through reliable, affordable and modern energy</li> </ul>	<ul style="list-style-type: none"> <li>Economic power in rural women's hands</li> <li>Female mentors</li> <li>Participative and bottom-up approach</li> </ul>	<ul style="list-style-type: none"> <li>Economic transformation, environmental and socioeconomic development priorities</li> <li>Entrepreneurial jobs in productive sectors</li> <li>Spawn energy-based enterprises around renewable energy-based service providers</li> </ul>	<ul style="list-style-type: none"> <li>Pro-poor investments and private sector involvement</li> <li>Synergies among national and regional stakeholders</li> <li>Innovative incentive mechanisms</li> </ul>

# Governance, Monitoring, Sustainability



# REGEND Field Projects and Interventions



22 kWp on-grid solar PV system connected to a water drip irrigation system for Mr. Saleh Afash Al-Jazi's farm in Al-Achaari, Maan, Jordan.



10 kWp on-grid solar PV system with an 18-kWh storage capacity and a 200-liter SWH system for the "Live Akkar" Organization – Sewing and Embroidery Workshop in Chaqdouf, Akkar, Lebanon.



65.5 kWp medium-voltage on-grid solar PV system for the mutual agricultural services company "El-Faouz" in Mahdia, Tunisia.



Workshop on good agricultural practices in Tissemsilt, Algeria



Workshop on food production in Achaari, Jordan



Workshop on food packaging in Batir, Jordan



Workshop on maintenance of solar energy systems in Chorbane, Tunisia



Workshop on food production in Akkar Atika, Lebanon



Workshop on good agricultural practices in Chorbane, Tunisia



Workshop on maintenance of solar energy systems in Akkar, Lebanon



Workshop on food production in Batir, Jordan



Young faces during a capacity building workshop on financial management in Chaqdouf, Akkar



Workshop on good agricultural practices in Batir, Jordan



Workshop on drafting proposals for municipalities in Akkar, Lebanon



Workshop on food production in Beni Abbas, Algeria

# REGEND's Capacity Building

Total workshop attendees = 1,569

Algeria  
12 workshops

360 attendees  
100% women

Jordan  
23 workshops

689 attendees  
50% women

Lebanon  
12 workshops

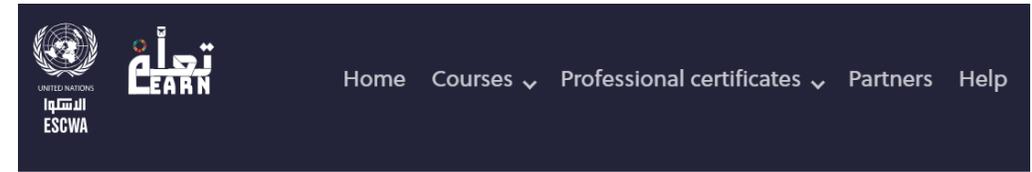
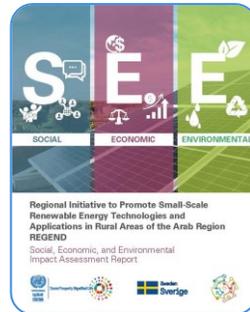
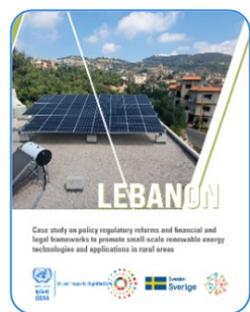
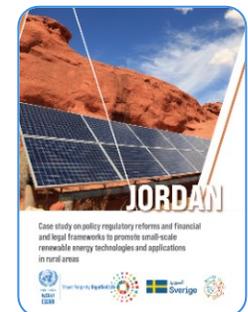
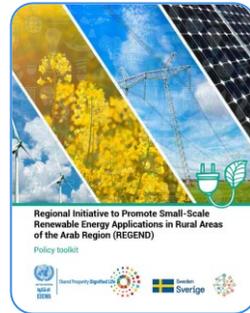
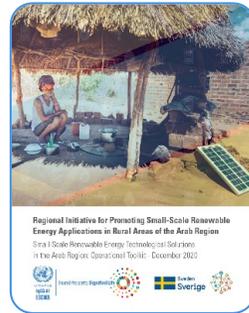
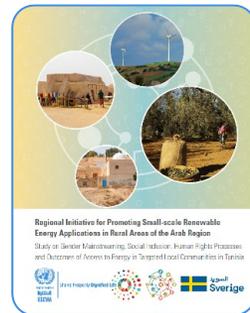
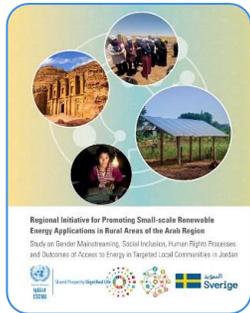
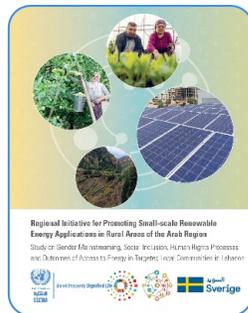
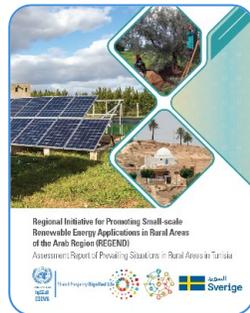
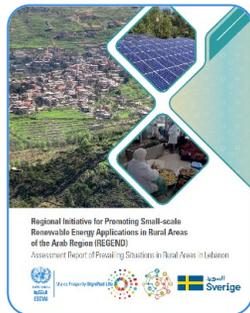
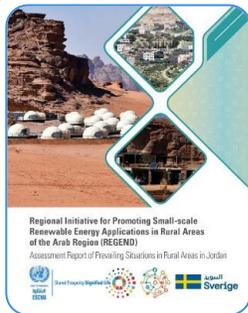
250 attendees  
90% women

Tunisia  
18 workshops

270 attendees  
83% women

# REGEND's Knowledge Products

All REGEND's information can be accessed at <https://unescwa.org/regend>



## Small-scale renewable energy applications in rural areas (in Arabic)

This course serves as an integrated and comprehensive introduction on renewable energy, rural development, food production, agricultural best practices, and the water-energy-food nexus. In particular, it aims to shed light on sustainable energy as an enabler for rural development, women empowerment, and sustainable agriculture and food production.



Join the course

ESCWA prepared this course based on the capacity building program of the [Regional Initiative to Promote Small-Scale Renewable Energy Applications in Rural Areas of the Arab Region \(REGEND\)](#).

REGEND's online course is available on the following link: <https://learn.unescwa.org/course/small-scale-renewable-energy-applications-rural-areas-arabic>

# Fruitful collaboration with national, regional, and international partners



ازدهار البلدان كرامة الإنسان



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Sweden  
Sverige



وزارة الزراعة  
المملكة الأردنية الهاشمية



وزارة الطاقة والثروة المعدنية  
المملكة الأردنية الهاشمية



ENERGIA



# Cumulative impact of REGEND to date



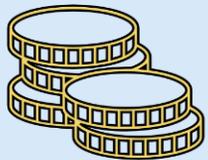
**144,654 kgCO<sub>2</sub>/Year**  
Carbon emission mitigation



**39,700 \$/Year**  
financial savings



**287.6 MWh**  
energy saving per year



**343%**  
Increased income



**1,569 attendees**  
capacity building on RE, EE, &  
WEF Nexus  
**70% female participation**

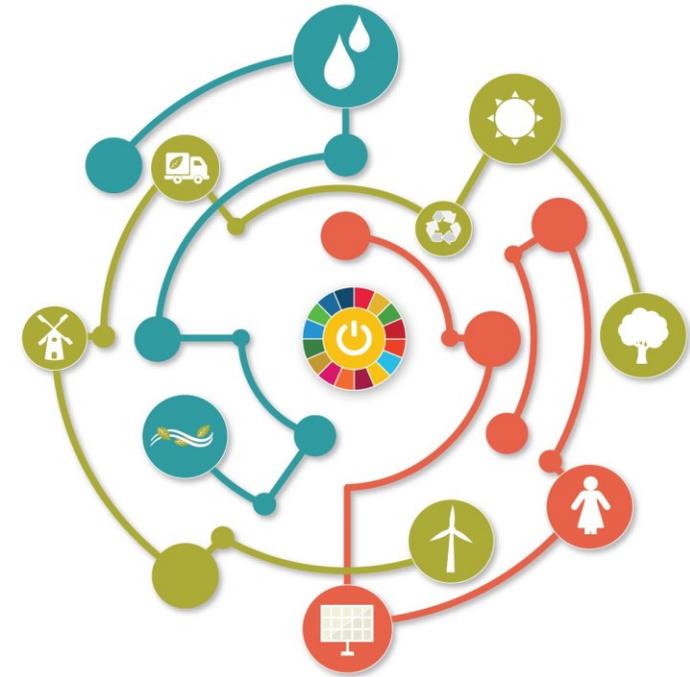


**50 rural women**  
employed as a  
result of REGEND





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# Thank you

Visit: <https://www.unescwa.org/regend>