Private Investments Promotion Program

An Integrated Approach to Promote Low Carbon Technologies





About RCREEE

- Independent regional intergovernmental organization
- ■16 member states

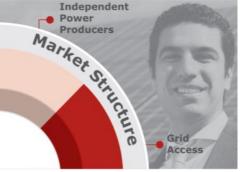
- ■In operation since 2008
- Headquartered in Cairo,Egypt



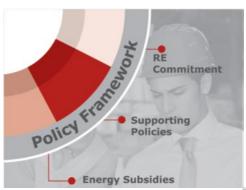






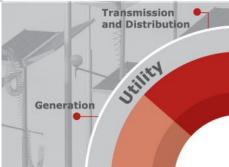


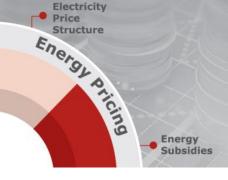


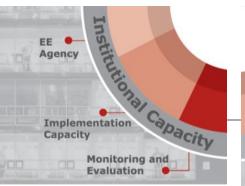


Renewable Energy



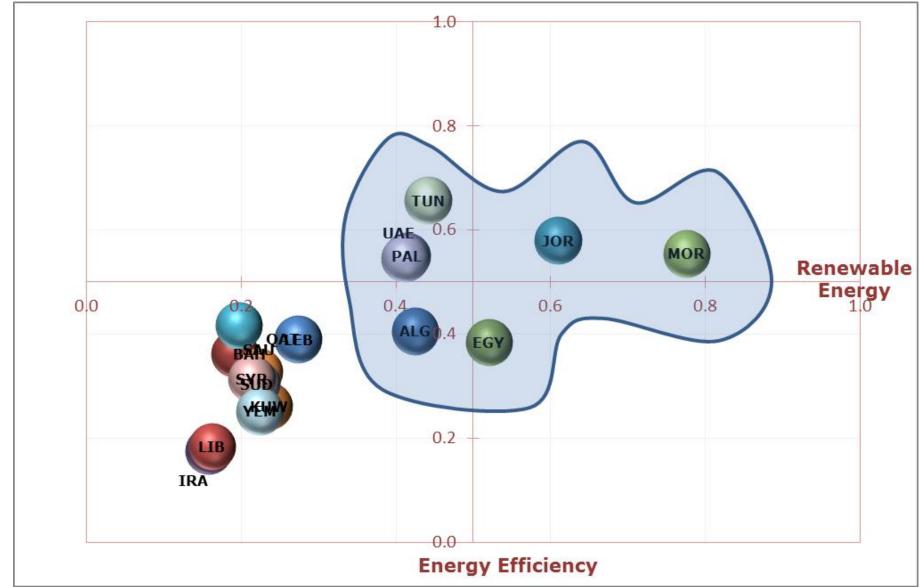








Transition to Sustainable Energy





Although there are many profitable opportunities in sustainable energy in Arab countries, private investments have lagged



Low Awareness

Actors are not aware of the existence of a certain business model and/or financing option that would make this opportunity economically feasible

Insufficient Capacity

Local businesses, banks and government agencies do not always have enough human capacity to asses the feasibility of a project

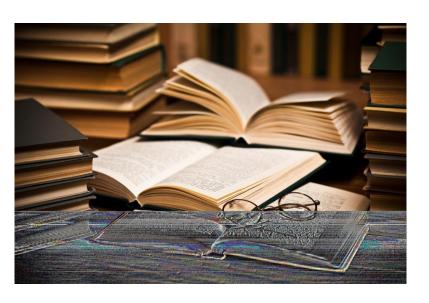
Lack of Trust

Not enough practical experience of success stories to overcome initial distrust of new technologies and business models



Program Objective

To translate improved framework conditions in Member States into concrete renewable energy and energy efficiency actions by the private sector, through market-based transformative interventions

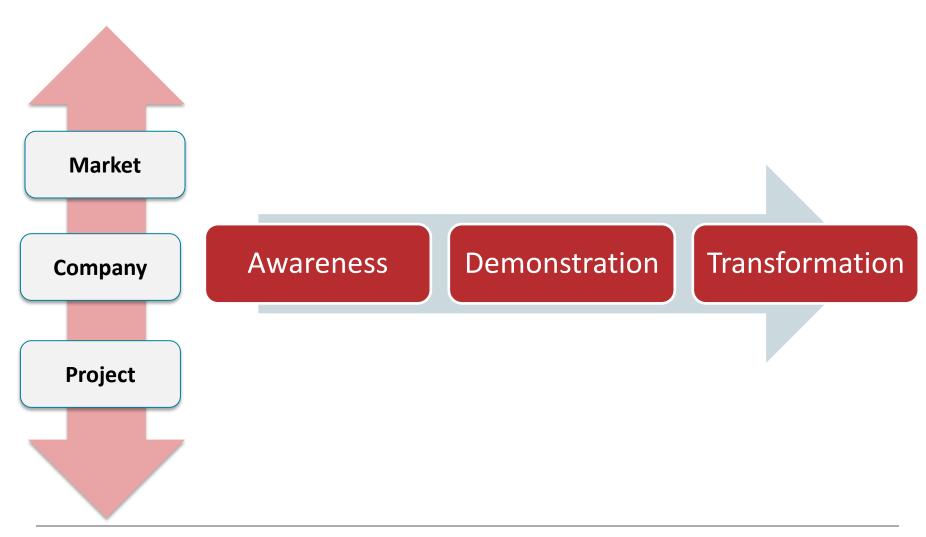




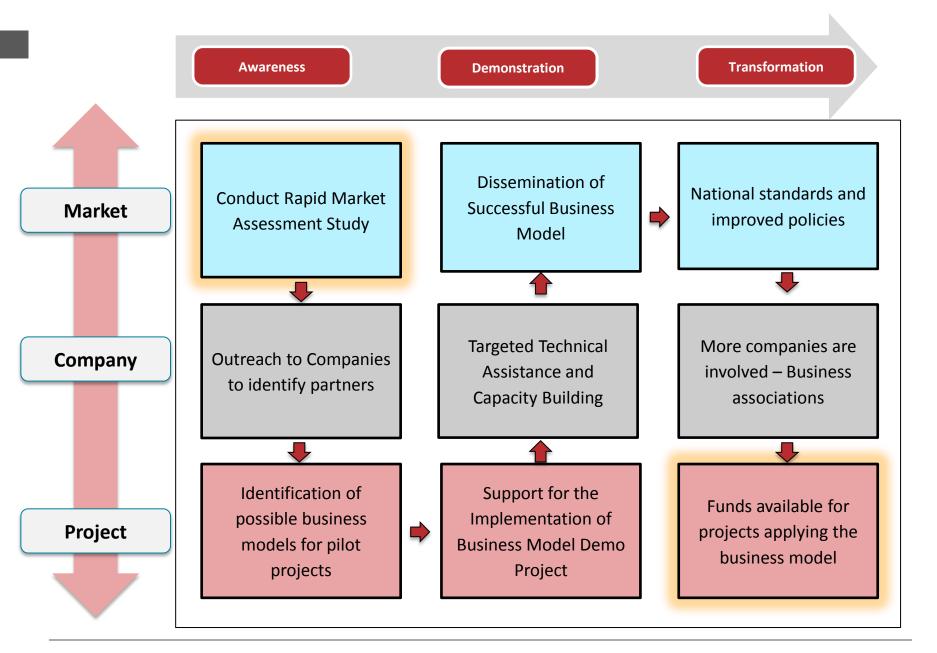




Integrated Approach to Promote Low Carbon Technologies









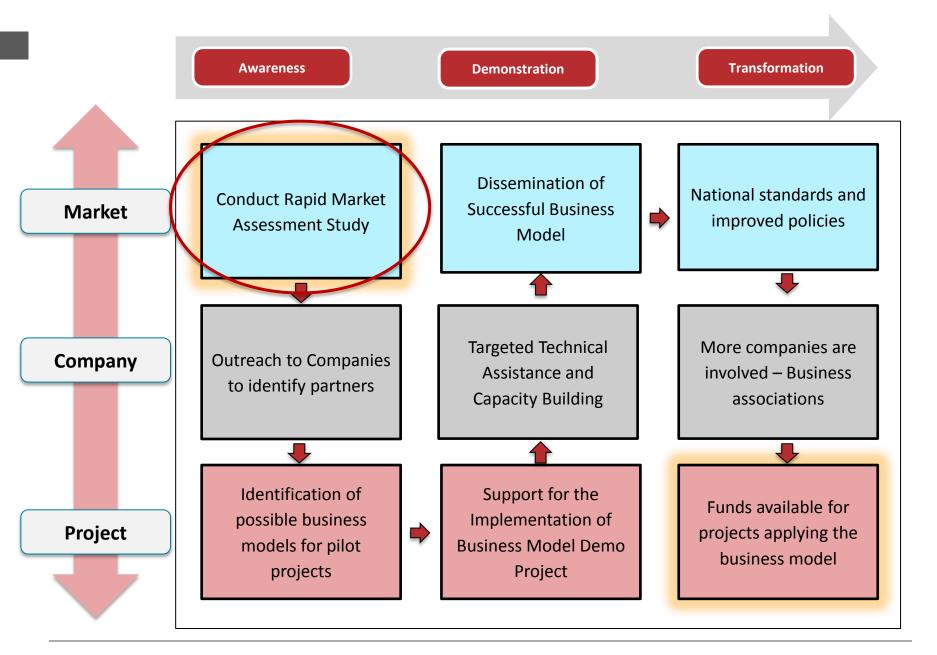
Diesel to Solar (D2S)

Objective

The project aims to achieve poverty alleviation and increased food and water security by demonstrating the technical, financial, and economic viability of solar PV energy hybridization of conventional (diesel) power generation for small and medium Off-grid power systems in the MENA region

Problems Addressed	Focus Countries	
Low Awareness	Egypt	Sudan
 Insufficient Analytical Capacity Lack of Trust Lack of Finance 	Djibouti	Yemen
Focus Area	Partners	
Decentralized Solar PV	UNDP Empowered lives. Resilient nations.	
Intervention Types		
 Specialized research and analysis Promotion and awareness building Technical Assistance and Capacity Building 		

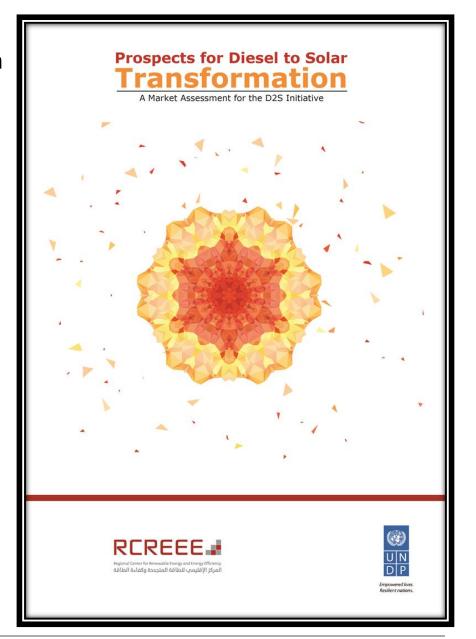




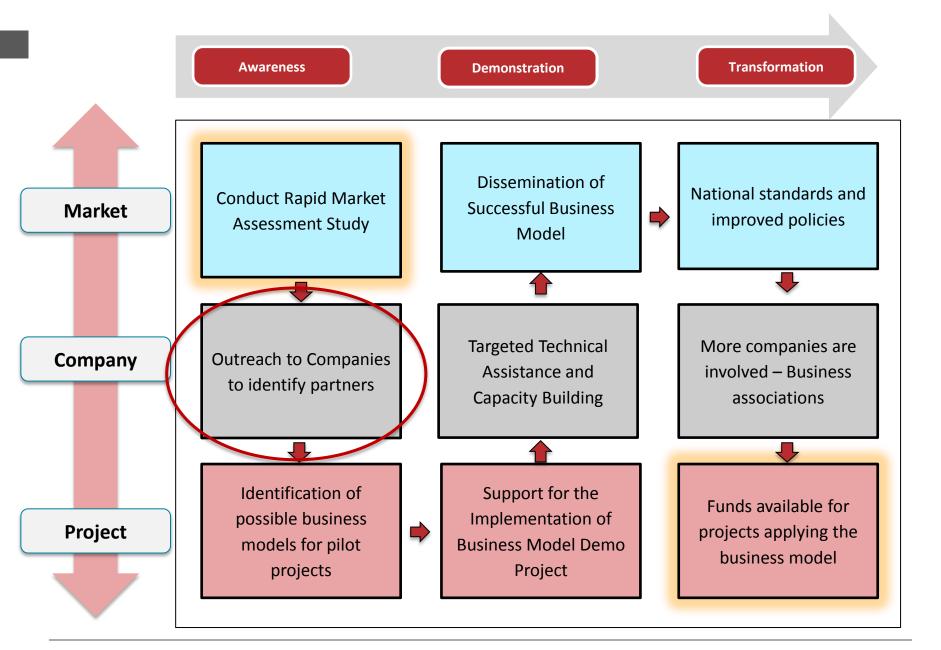


- Four countries: Egypt, Djibouti, Sudan and Yemen
- Mixed primary and secondary sources
- Identifies the most promising applications

Category	Annual Diesel Consumption	Potential (MW)
Utility Electricity	130.99	178.7
Private Electricity	291.85	370.3
Irrigation/Agribusiness	5473.17	4468.5
Single-Activity Electricity	17.82	5
Total	5976.23	5022.6

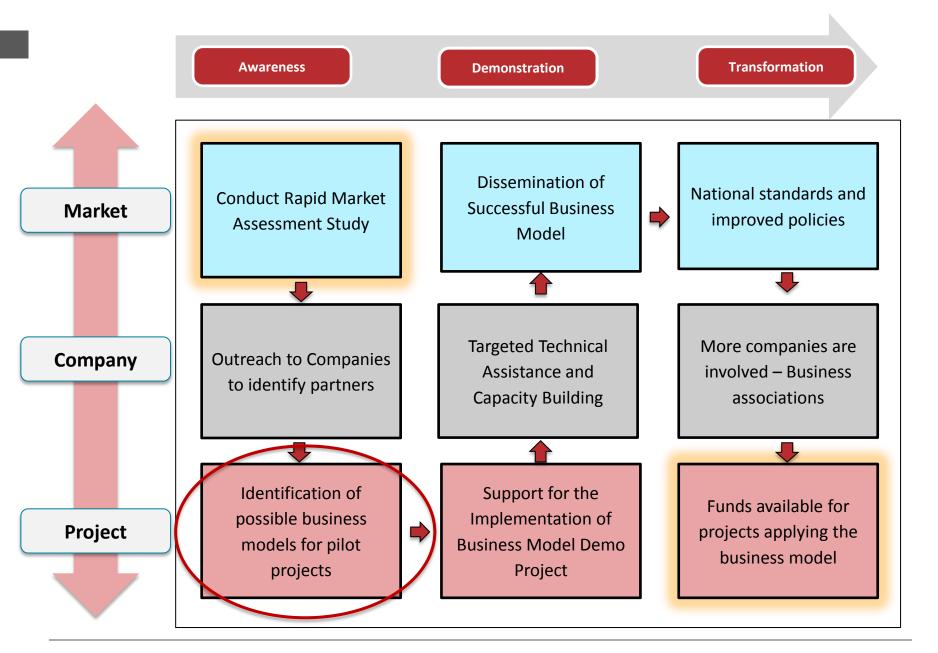






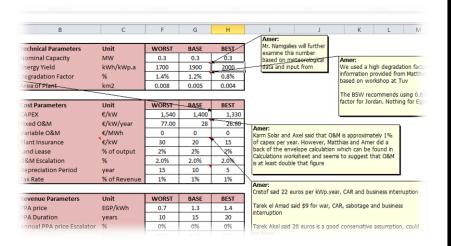


















Business Models for PV in Egypt

by

Matthias Namgalies

submitted to the

Faculty of Electrical Engineering and Computer Science

University of Kassel, Germany

and the Faculty of Engineering

Cairo University, Giza Egypt

In partial fulfillment of the requirements for M.Sc. degree in

Renewable Energy and Energy Efficiency for the MENA Region

REMENA

15th of May 2015

Examiner: Prof. Dr. sc. techn. Dirk Dahlhaus Examiner:

Prof. Dr. Adel Khalil Amer Barghouth

Dr. Benjamin Schulz Supervisor:

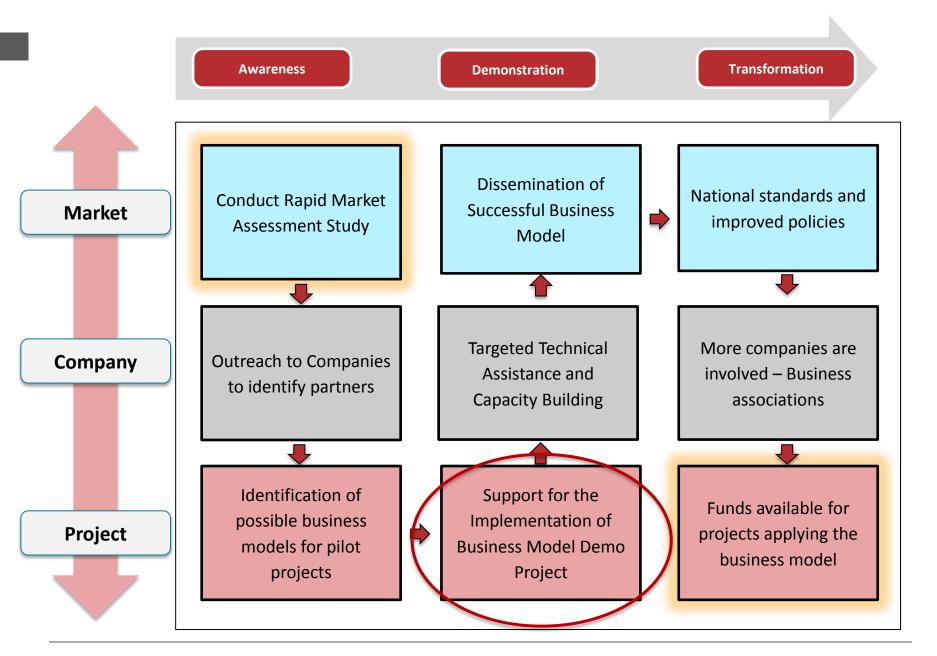
Supervisor:

University of Kassel, Germany University of Cairo, Egypt

RCREEE, Egypt Consultant, Germany











RCREEE - Lahami Bay PV Site Visit

Report on PV Plant Installation Check of Lahami Bay Pilot Power Plant on March the 19th, 2015

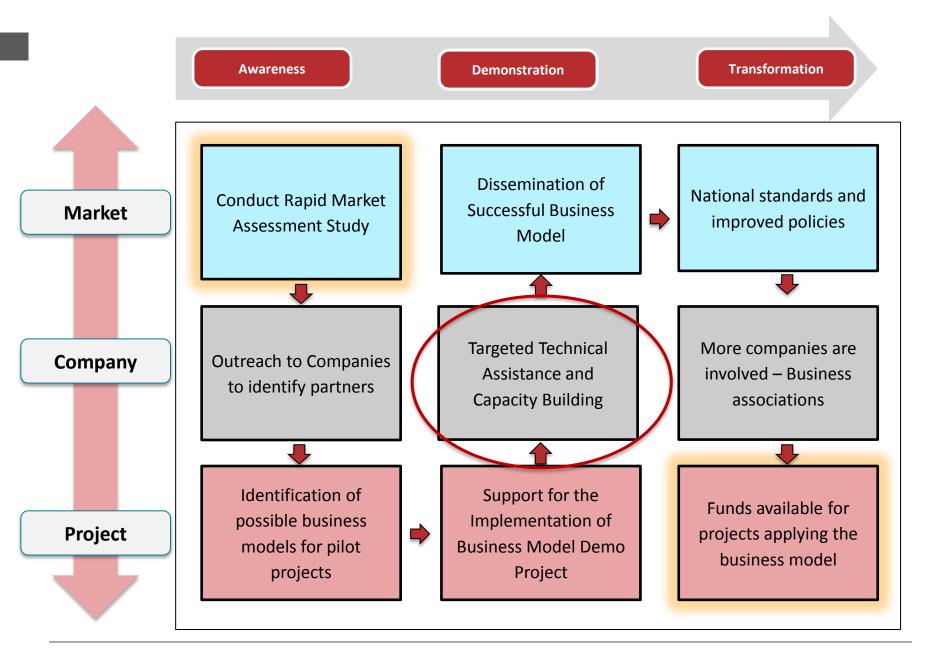
Site Visit & Report by Matthias Namgalies, Visiting Researcher at RCREEE

23rd of March 2015

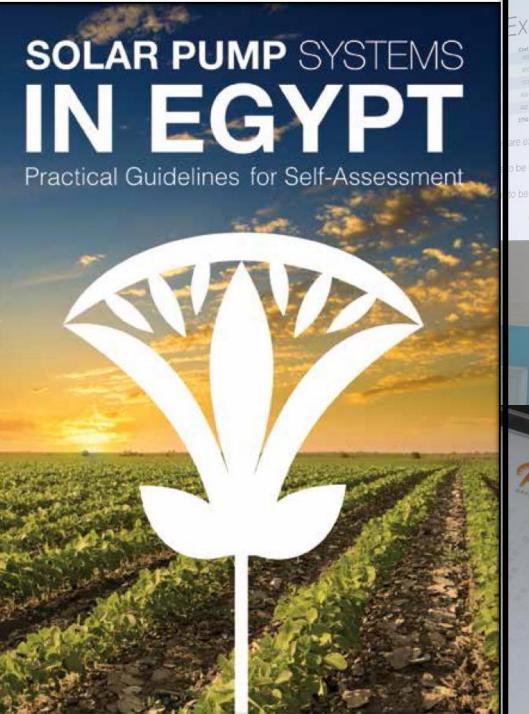




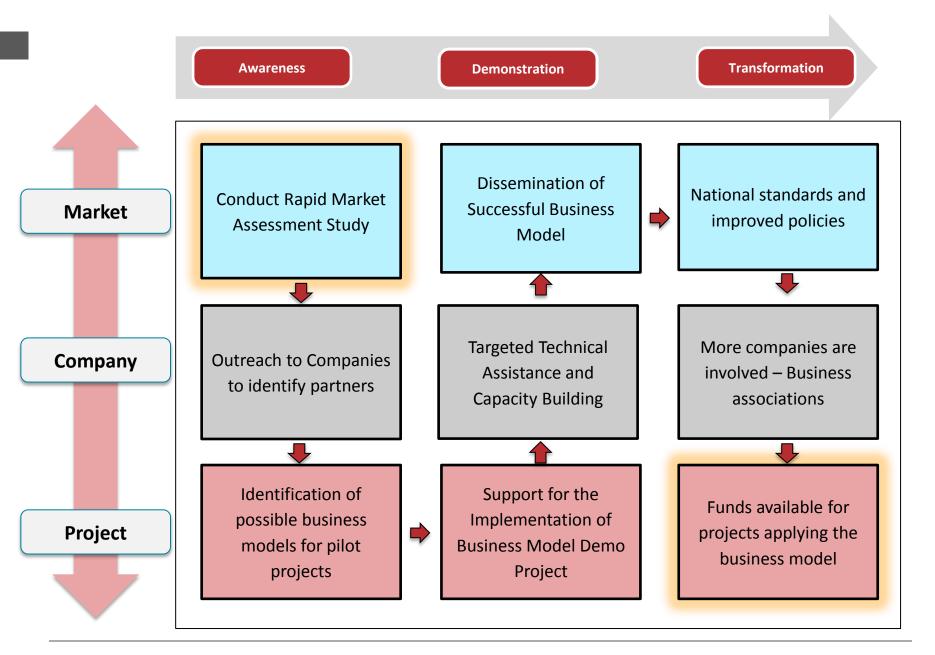














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