

# GEF Support to Scaling Up Renewable Energy

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June 2015

# **GEF** scaling up models for Renewable Energy (RE)

- Removing policy, regulatory and technical barriers.
- Developing innovative market-based mechanisms and financial instruments.
- 3. Demonstrating precommercial RE technologies.

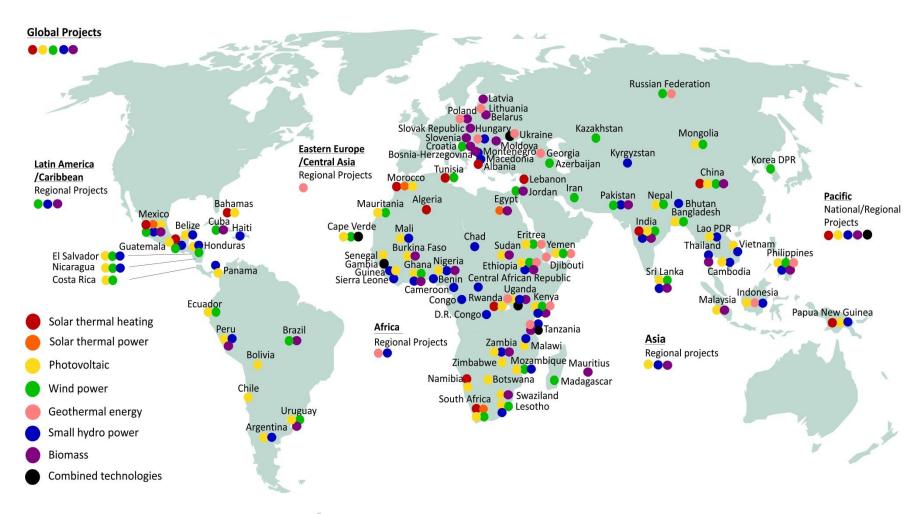


## **GEF Support on Renewable Energy**

- GEF has invested US\$1.3 billion.
- 160 Countries, leveraging US\$10 billion in cofinancing.
- Installation of 6 GW of power generation capacity.
- GHG emission reductions of 1.8 billion tCO<sub>2</sub>e.



## Distribution of GEF RE Projects





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#### **GEF-6 CCM Strategy**

Goal: To support developing countries to make transformational shifts towards low emission, resilient development path

Objective 1: Promote innovation & technology transfer

Objective 2: Demonstrate systemic impacts of mitigation options

Objective 3: Foster enabling conditions to mainstream mitigation concerns into SD strategies







**1.** Low carbon technologies and mitigation options

**3.** Integrated low-carbon, urban systems

**5.** Convention obligations for planning and mitigation contributions

**2** . Innovative policy packages and market initiatives

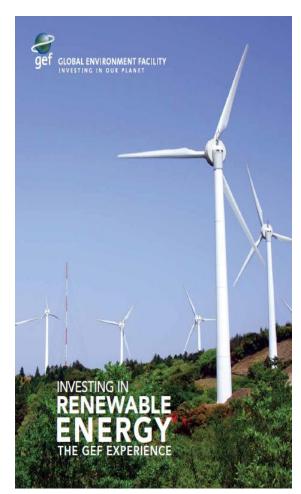
**4.** Forests and other land use, and climate smart agriculture

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# GEF Support on RE during Fiscal Year (FY) 2015

- 5 stand-alone renewable projects
- Total GEF Grant: \$ 39.9 million
- Total Co-financing: \$ 606.3 million
- Impact: GHG emission reductions of 21.1 million tCO2e



## FY 2015 RE Examples

- Upgrading of China Small Hydro Power Capacity Project
  - Grant: \$ 10.0 million, Co-financing: \$ 60.0 million
  - GEF agency: UNIDO
  - Expected Impact: 6,455 tCO2e avoided
- Reducing Argentina's Greenhouse Gas Emissions from the Energy Sector through the Utilization of Organic Waste for Energy Generation in Agriculture and Agro Industries
  - Grant: \$ 6.7 million, Co-financing: \$ 27.1 million
  - GEF agency: UNIDO
  - Expected Impact: 2.35 million tCO2e avoided



- Grant: \$ 4.7 million, Co-financing: \$ 24.3 million
- GEF agency:
- 366,246 tCO2e avoided



### FY 2015 RE Projects

- (South Africa) Equity Fund for the Small Projects Independent Power Producer Procurement Programme (non-grant)
  - Grant: \$ 16.6 million, Co-financing: \$ 190.5 million
  - GEF agency: Development Bank of Southern Africa (DBSA)
  - Expected Impact: 5 million tCO2e avoided
- The Ten Island Challenge: Derisking the Transition of the Caribbean from Fossil Fuels to Renewables
  - Grant: \$ 2.0 million, Co-financing: \$ 2.0 million
  - GEF agency: UNDP
  - Expected Impact: 13.4 million tCO2e avoided

# RE within Integrated low-carbon, urban systems - GEF 6

#### 1. Low-emission urban systems

#### Project examples:

- Distributed urban energy resources.
- Energy recovery from municipal waste.

#### 2. Sustainable Cities IAP

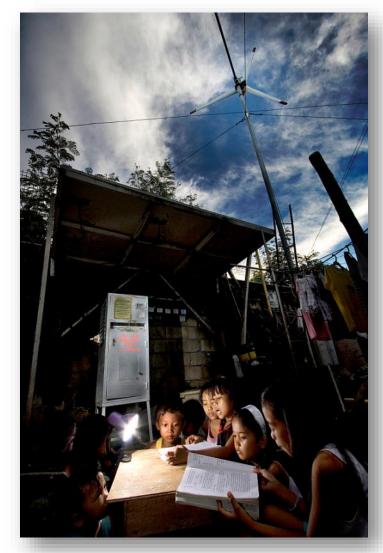
- Demonstrate innovative models of sustainable urban management through integrated urban policy and strategy support and piloting of high impact options.
- Foster replication through partnership and sharing of lessons learned.



### Sustainable Cities IAP Projects



#### Thank You!





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