



Green Industry

# UNIDO and GEF Climate Change Projects

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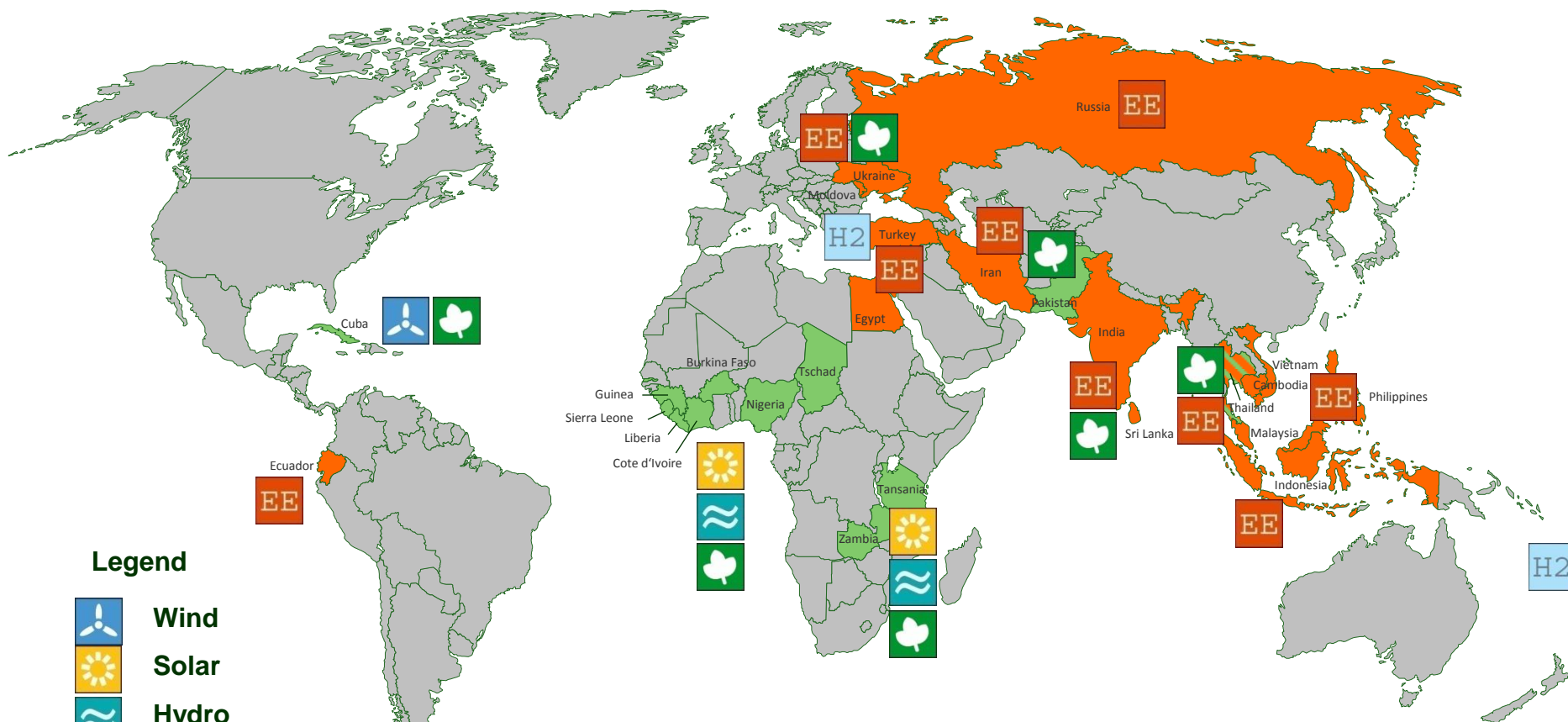


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# A. UNIDO's Energy Portfolio – An overview



## Legend

	Wind
	Solar
	Hydro
	Biomass
	Energy Efficiency
	H2 technology

	Number of Projects	GEF Funds	Co-Funding	Total Project Funding
<b>TOTAL</b>	<b>35</b>	<b>100 Mio US\$</b>	<b>606.3 Mio US\$</b>	<b>706.3 Mio US\$</b>



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## **B. GEF funded Flagship Programmes**

### **1. Programmatic Approach**

GEF's Regional Strategic Programme on Energy in West Africa: 18 countries, an integrated programmatic approach.

### **2. Integrating Energy Efficiency and Renewable Energy for Low Carbon Industrialization**

Technology deployment and promotion of energy efficiency and renewable energy technologies in industrial manufacturing sectors (Focus on SMEs).

### **3. Energy Management Systems Standards**

ISO 50001. Forward-looking project (benchmarking, technology transfer, etc. )

### **4. Global Energy Assessment**

IIASA - Normative Policy and Research Work

### **5. Transfer of Innovative Technologies**

Leveraging own technology centers. RE+H2 stand-alone power system (Cook Islands); biomass residues (Cambodia); Ethanol from Cassava (Thailand); multi-focal areas





# UNIDO Strengths in Energy and Climate Change

## Thematic focus

### ✓ Renewable Energy Technologies

- Productive uses
- Industrial applications
- Biofuels (industrial processing)

### ✓ Industrial Energy Efficiency

- Energy Management Standards
- Systems optimization
- Industrial energy and carbon benchmarking

### ✓ Low-carbon Technologies

- Carbon free energy carriers: H<sub>2</sub>
- Carbon capture and storage for industrial applications
- Resource Efficient Technologies

## Platforms for Technology Transfer

### ✓ Regional & Technology Innovation Centres

- Solar energy (ISEC) and Small Hydropower (ICSHP)
- ICS Trieste (Geothermal and Biomass)
- ECOWAS Regional Center for RE and EE (ECREEE)
- International Centre for Hydrogen Energy Technology

### ✓ Networks

- National Cleaner Production Centres (46 countries) UNIDO-UNEP
- Investment and Technology Promotion Offices (11 countries)

### ✓ Learning platforms

- Renewable Energy Observatory for Latin America
- RE MAP

### ✓ Global partnerships



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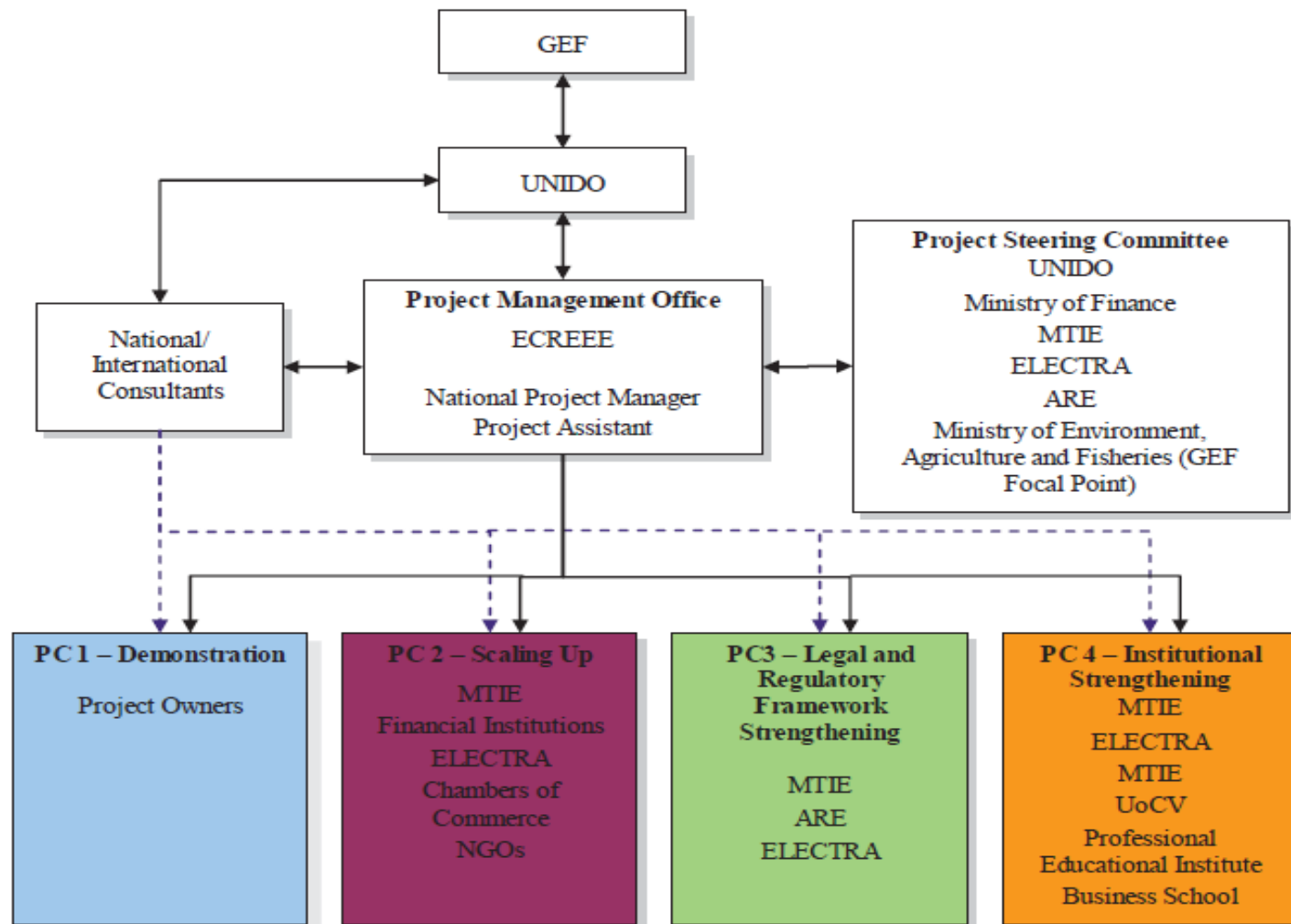
## C. Framework for UNIDO's Action in GEF 5

**Low-income countries:** UNIDO's focus will be on expanding access to modern energy services (on and off grid solutions based on RE and EE in SMEs and households)

**Middle-income countries:** UNIDO's focus will be on improved energy efficiency, low GHG emission technologies and RE for grid connected power generation

**BRICs:** UNIDO's focus will be on EMS ISO 50001, low carbon industrial policies and projects, decarbonization of the energy sector and new technologies such as industrial CCS etc.

# D. Project Management, Monitoring, Reporting





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# **D1. Project Management.**

- **UNIDO - Monitors the use of GEF funds to ensure that these funds are used in line with the endorsed UNIDO/GEF project document / GEF policies.**
- **PSC – provides strategic guidance to the project , approves workplan and any changes to the project.**
- **ECREEE will host the PMO. National Project Manager - monitor the (Inputs) to achieve project results (Outputs).**
- **NPM does report to the PSC about project related activities on a regular basis.**





## D2. Monitoring

- **Project Monitoring is a continuous function that provides project management and stakeholders with early indications of project progress, or lack thereof, towards delivering intended results.**
- **Project Monitoring requires the project team to collect information about project results, and to analyze and validate these.**

### **Monitoring Instruments**

- 1. Field visits**
- 2. Quarterly Reviews**
- 3. Annual Project Implementation Review**



## D3. Project Reporting

- **Project Reporting is used to communicate project progress, or lack thereof, to project stakeholders and partners.**
- **Project Reporting is conducted at regular intervals throughout the lifetime of a project**
- **Project Reporting is based on project monitoring, i.e. on previous review of project progress and results**



# Key Project Reports

- \*1) Inception Report
- \*2) Quarterly Progress Reports
- \*3) Annual Project Report (APR)
- 4) Project Publications and Technical Reports
- \*5) Terminal Report
- \*6) Evaluation Reports.
- \*Mandatory
  - **Delays in submissions of mandatory reports may lead to project being discontinued or suspended!!**



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*Thank you for your attention.*

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