



**International
Finance Corporation**
World Bank Group

Financing A Cleaner Future in the Philippines

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3 Scenarios for the Philippines

	GHG Emissions in 2005 (Million Tons of CO2 Equivalent)	GDP Carbon Efficiency (Tons of CO2 /\$1000 GDP)	Per Capita Carbon Capacity (Tons of CO2 / Person)
Philippines	76.40	0.20	0.92
World	27,136	0.50	4.22

2005 Emissions	76.4M	
Unconstrained Growth	244M	
2030 Frozen Tech Scenario	320M Tons of CO2	Technologies and their penetration frozen at 2005 level
Policy Scenario Reduction	98M	
2030 Policy Scenario	285M	Assume existing energy, energy efficiency and transportation policy
Abatement Potential	110M	Increase renewable energy in total energy mix, improve energy efficiency in industrial, commercial and residential sectors, mass transportation and fuel efficiency
2030 Abatement Scenario	112M	Full technical abatement potential realized

Sectors and Barriers

Energy

- Geothermal
- Wind
- Biomass
- Hydro
- Solar, ocean

Energy Efficiency

- Waste-to-energy
- Industrial, commercial and residential
- Green lighting

Transportation

- Public transportation
- Fuel efficiency

Technical

- Technical feasibility
- Projects using such technologies

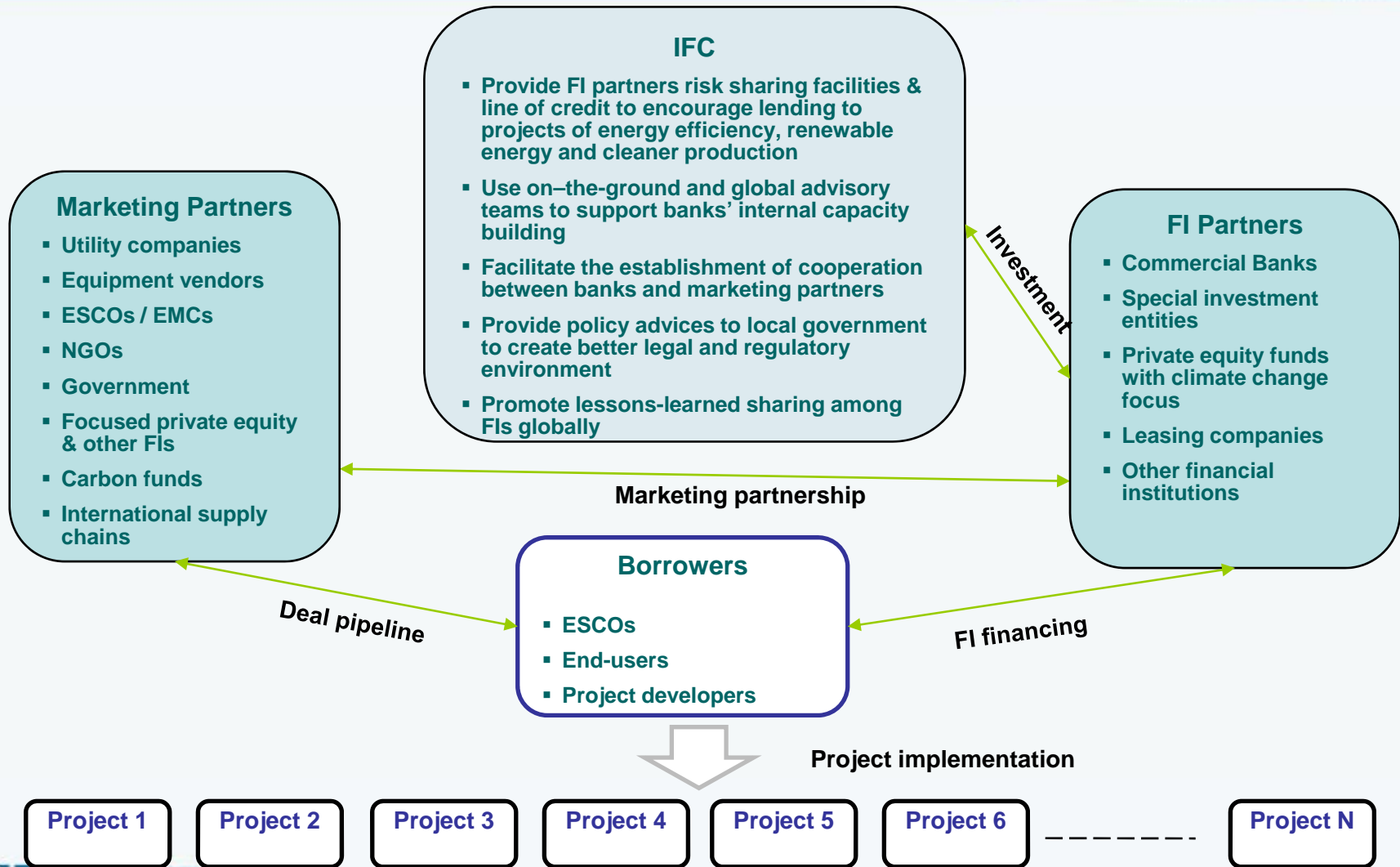
Commercial

- Laws and regulations
- Private sector players' willingness
- Economic viability

Financial

- Equity
- Structured finance: mezzanine, bridge loans, construction loans, etc.
- Bank loans

Improving Access-to-Finance



Sample Financing Mobilization Schemes

Energy Efficiency Financing Risk Sharing Facility

- Term: Up to 5 years
- Size of loans: Up to \$5 million
- Eligible Projects: Industrial, commercial and residential EE improvements; Green lighting; Waste treatment, etc.

Small Renewable Energy Project Financing

- Term: Up to 10 years
- Size of Loans: Up to \$10 million
- Hydro
- Wind
- Geothermal
- Distributed generation utilizing renewable energy
- Biomass

ESCO Financing Facility

- Term: Up to 5 years
- Size of loans: Up to \$5 million
- Credit-worthy end-users
- Revenues: Fixed + variable (fixed portion sufficient to cover debt service)

Renewable Energy Mezzanine Financing Facility

- Term: Up to 10 years
- Size of loans: Up to \$5 million
- Borrowers: Developers of small to medium-sized renewable projects

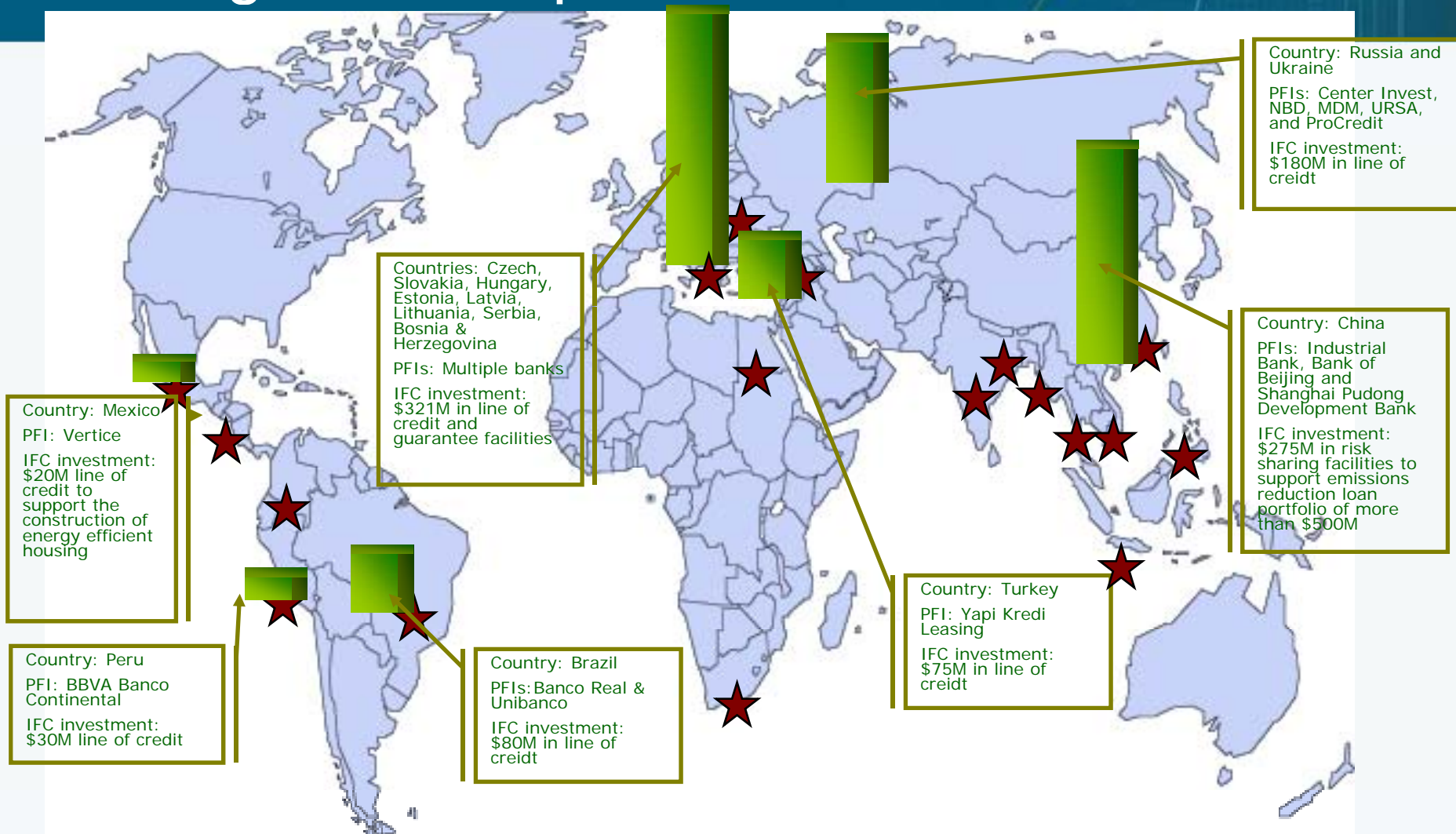
Cleantech Private Equity

- Participation: IFC as an LP
- Up to 20% contribution
- Fund has to be have clearly-defined focus in cleantech project

Energy Efficiency Leasing

- Term: Up to 5 years
- Size of loans: Up to \$5 million
- Eligible Projects: Industrial, commercial and residential EE improvements; Green lighting; Waste treatment, etc.

IFC investments in emissions reduction through local FI partners



IFC has invested \$1 billion in local financial institutions in the form of risk sharing and line of credit to support emissions reduction.

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