

# World Bank Group Sustainable Energy Initiatives in LAC

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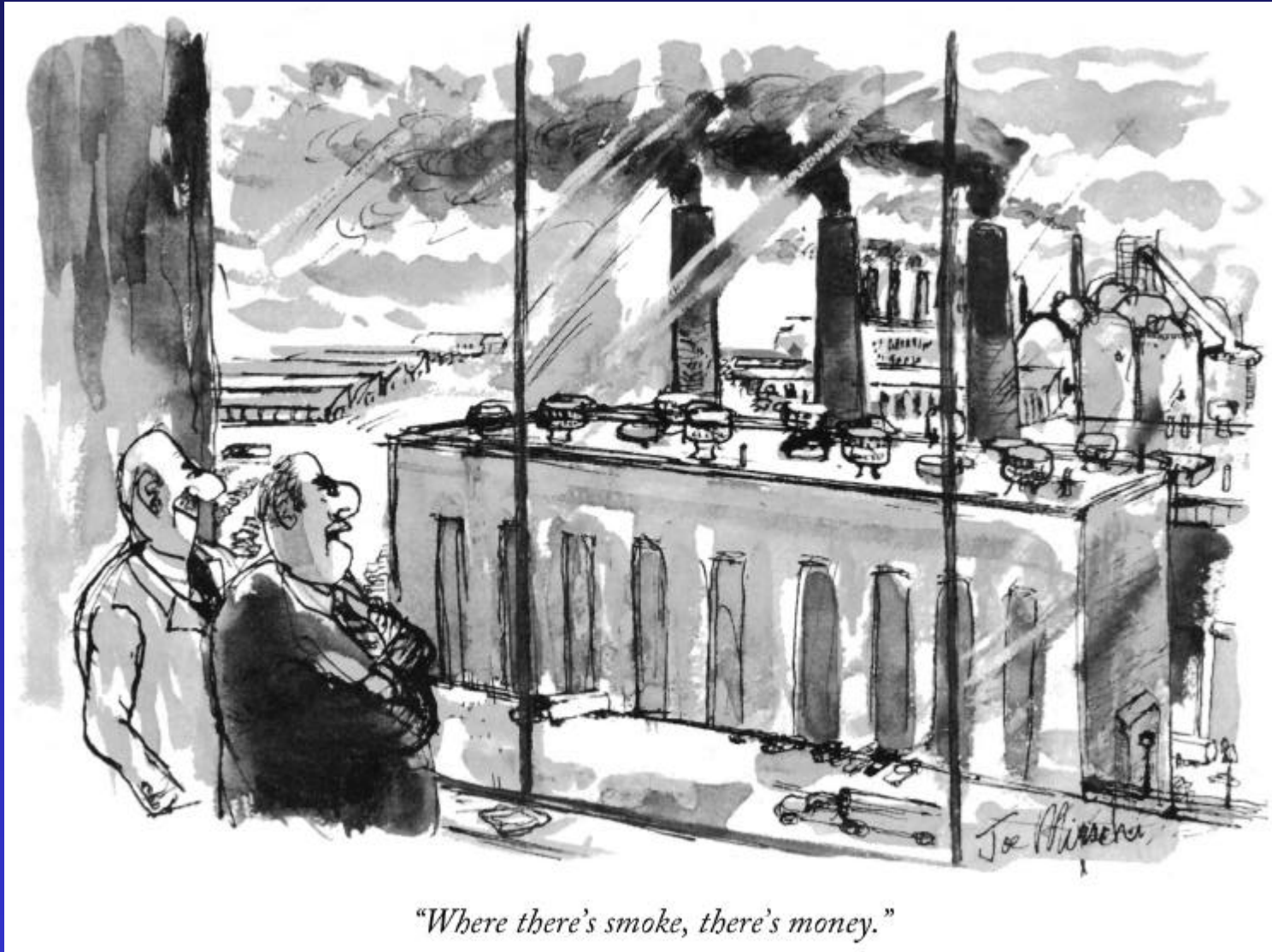


# WBG Mission Statement

- To fight **poverty** with passion and professionalism for lasting results.
- To help people help themselves and their **environment** by providing resources, sharing knowledge, building capacity, and forging **partnerships in the public and private sectors.**



# The 80s...



*"Where there's smoke, there's money."*



# The 90s...



*"Gentlemen, it's time we gave some serious thought  
to the effects of global warming."*



... and the 00s !



**"I do know one thing, gentlemen. If we don't plug into the environment right now, we're going to be missing out on a lot of big envirobucks."**



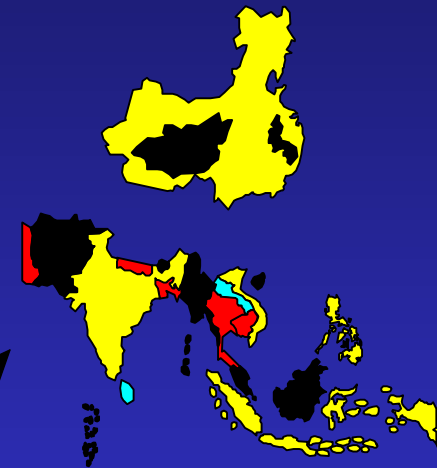
# The World Bank Group & GEF : Investing in Renewable Energy for Sustainable Development

## South and East Asia:

- Over US\$650 million in WB/GEF loans, credits, and grants in 11 countries
- 14 projects in the pipeline

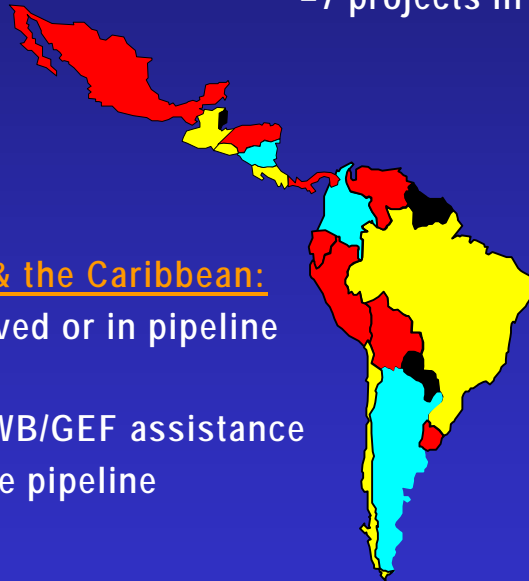
## Europe & Central Asia

- Over \$70 million in WB/GEF assistance for RE
- 7 projects in the pipeline



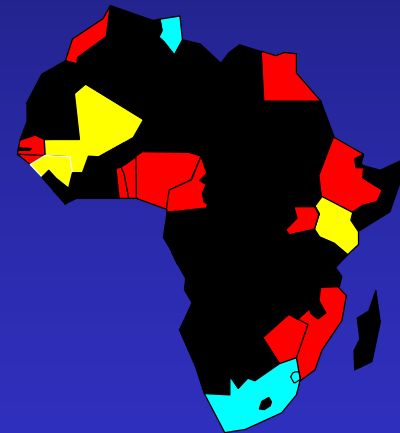
## Latin America & the Caribbean:

- Projects approved or in pipeline in 13 countries
- \$63 million in WB/GEF assistance
- 6 projects in the pipeline







## Africa:

- Bank-approved renewable energy activities underway in 7 countries
- \$57 million in WB/GEF assistance
- 15 projects in the pipeline



## Middle East & North Africa:

- 1 project approved
- 3 projects in pipeline

-  Approved
-  Pipeline
-  Both approved and in pipeline
-  No projects



# Argentina - PERMER

## Renewable Energy for Rural Markets Project

70,000 rural households  
1,100 provincial public services

- 15a rural off-grid concessions
- bidding for minimum subsidy
- technology neutral
- users choose service quality levels



### Financing:

\$10

\$30

\$44

\$26.5

\$10

**\$120.5 million**

GEF

IBRD

Concessionaires

FEDEI (Gov. Fund)

Users

Total



# Argentina - PERMER

Energy for public uses - Jujuy school library  
with test of efficient DC light bulb



POVERTY



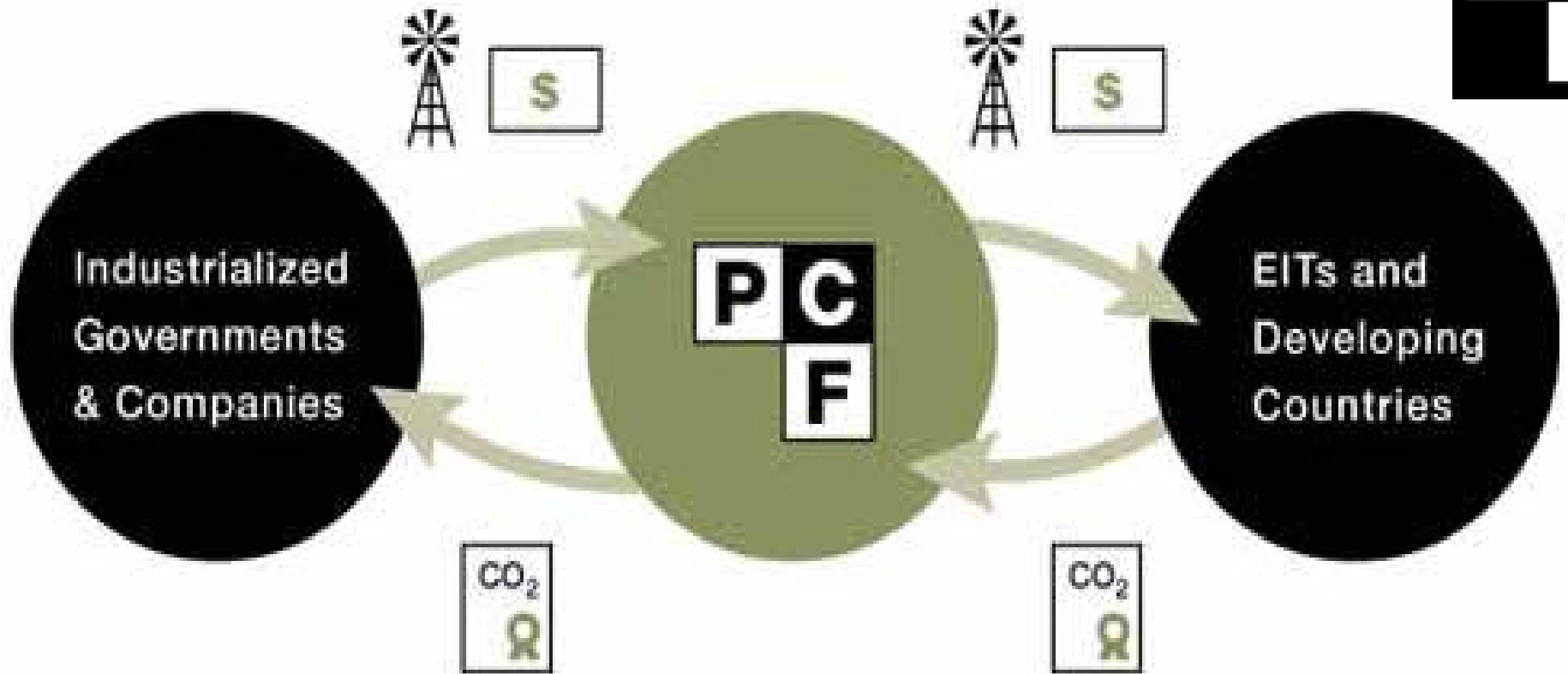


# Argentina - PERMER

Creating local income on supply side -  
minigrid battery check



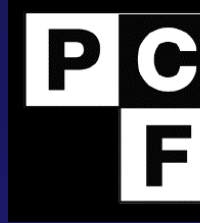
# The PCF (Prototype Carbon Fund)



Total: US\$150 million for 15 to 20 projects



# **P**rospective Projects under Review (\$Million in Carbon finance)



- Argentina: Wind energy to displace oil and natural gas (tbd)
- Brazil: Fund for Renewables (IDB/MIF/A2R: \$5+m)
- Brazil: Replacement of coke in pig iron industry (\$3m)
- Brazil: Bagasse co-generation at Vale do Rosario (\$4m)
- Colombia: Wind Power displacing oil and coal (\$5-7m)
- Costa Rica: Renewables (\$10m): Hydro/Wind
- Guatemala, Honduras, El Salvador (\$10m): Small Hydro, Wind, Biomass, Geothermal
- Guatemala: Geoteca geothermal project (\$4-5m)
- Guyana: Bagasse cogeneration for public power supply (\$5-6m)
- Jamaica: Wind power (\$3m)
- Nicaragua: Wood Waste Self-Generation (5MW) (\$1-1.5m)
- Nicaragua: Crop Residue Fuels(\$1m)



With your help, there will be  
energy for the future!

