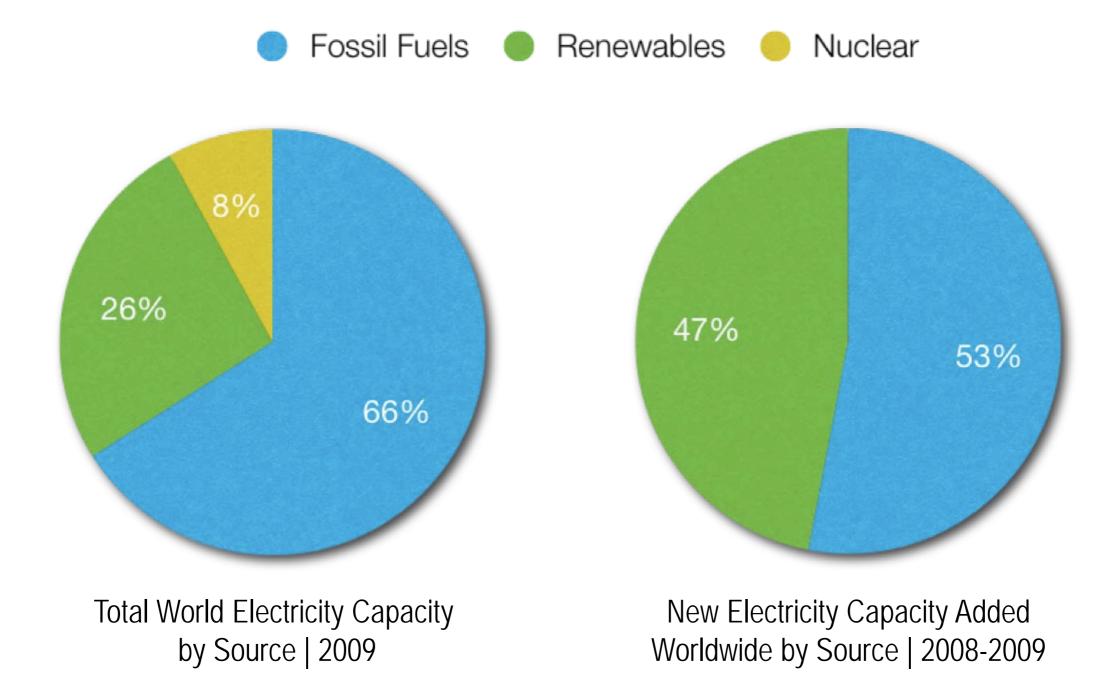


### Grounding Green Power

Developing Countries and Donors in the Renewable Energy Transition Manish Bapna, Managing Director Lutz Weischer, Research Analyst





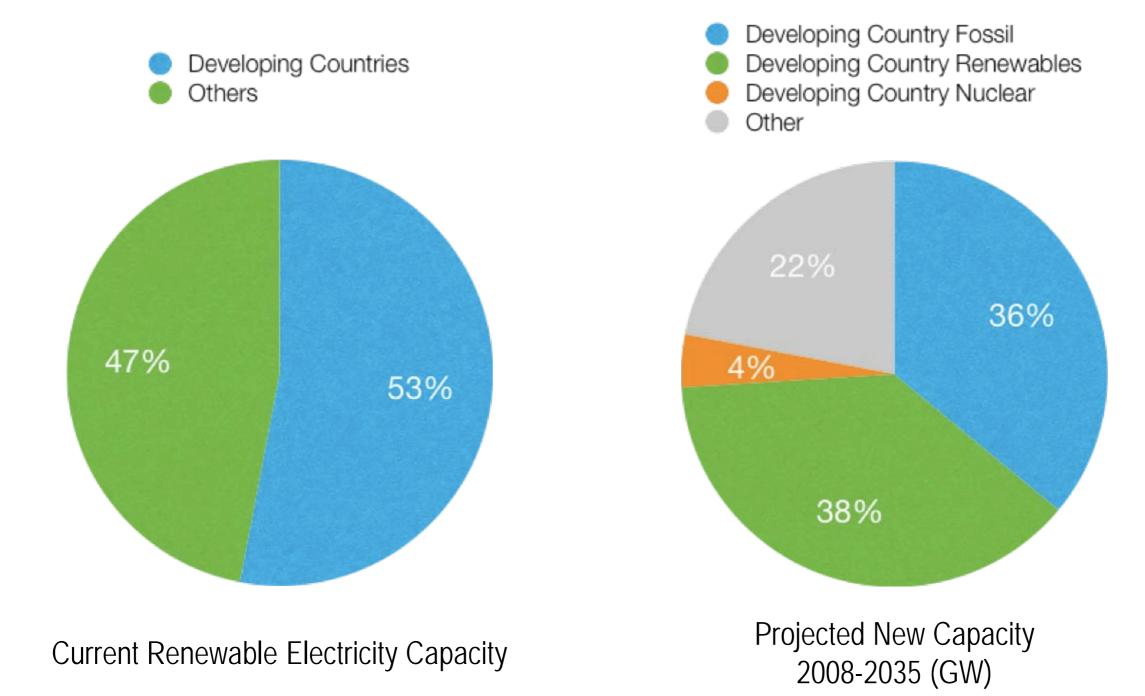
#### Renewables are Growing

New capacity is likely to outpace fossil fuels

Source: Renewables 2010 Global Status Report. REN 21, Paris.

\* Renewables include large hydropower.



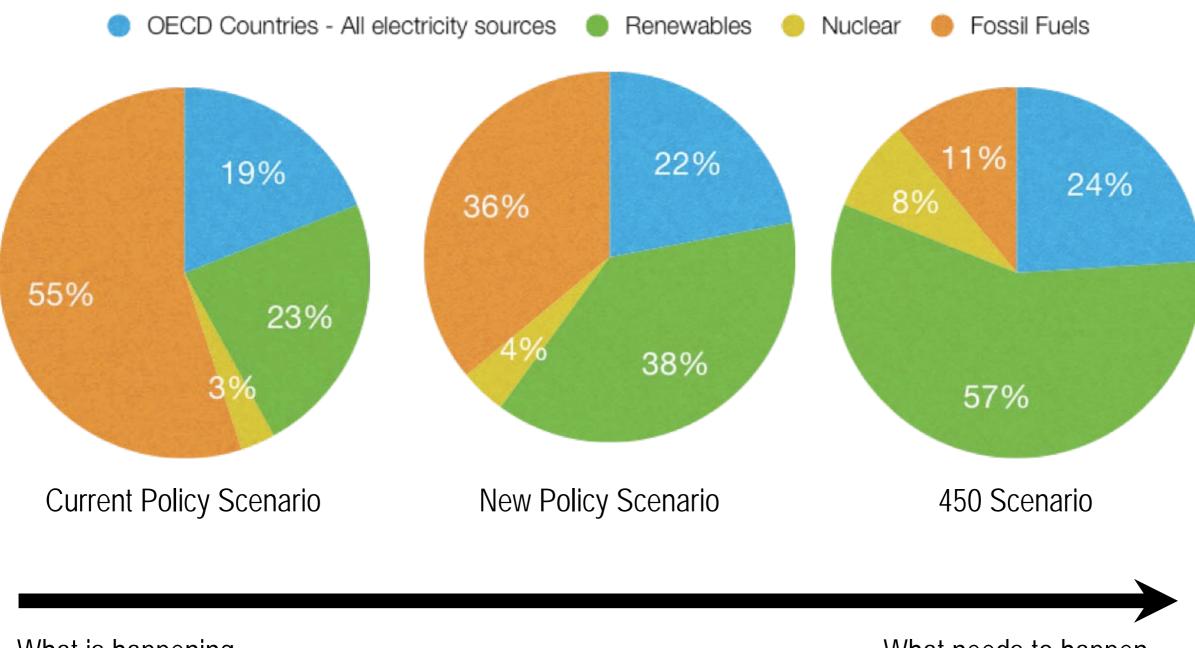


#### Developing Countries are at the Forefront

78% of total new capacity will be in developing countries. Renewables will be the largest share.

Sources: IPCC Special Report on Renewable Energy Sources and IEA World Energy Outlook 2010 New Policy Scenario.





What is happening

What needs to happen

#### Current Renewable Deployment is Insufficient

We're scaling up but we need to scale up faster.

Source: IEA World Energy Outlook 2010.

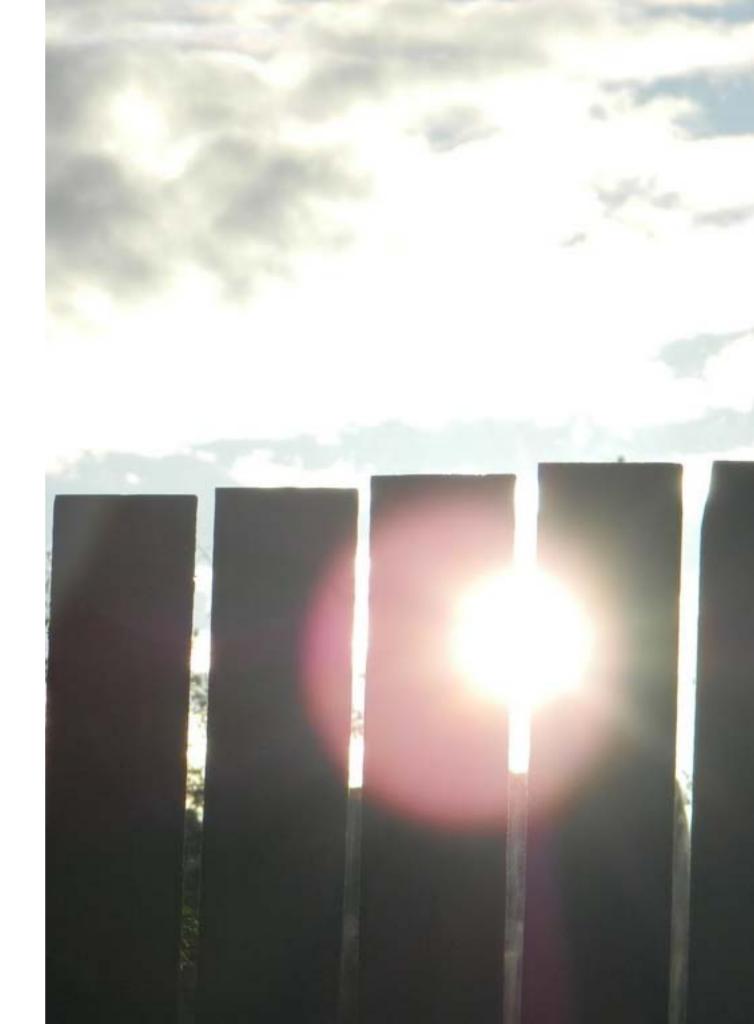




#### Challenges

We're scaling up but we need to scale up smarter.

- Economic barriers
- Technical barriers
- Political barriers





## Smart Renewable Energy Policy Moving from crises to opportunity

- Clear Objectives
- Comprehensive Approach
- Private Investment Leverage
- Cost-Effectiveness
- Innovation
- Transparency, Accountability, Participation





### From Principles to Practice

An evidence-based approach to smart renewable energy policy



WORLD RESOURCES INSTITUTE





Brazil, India, Indonesia, Kenya, Mexico, Morocco, Mozambique, South Africa, Sri Lanka, Philippines, Tanzania, Thailand

## Foundations for Our Analysis Developing country experience



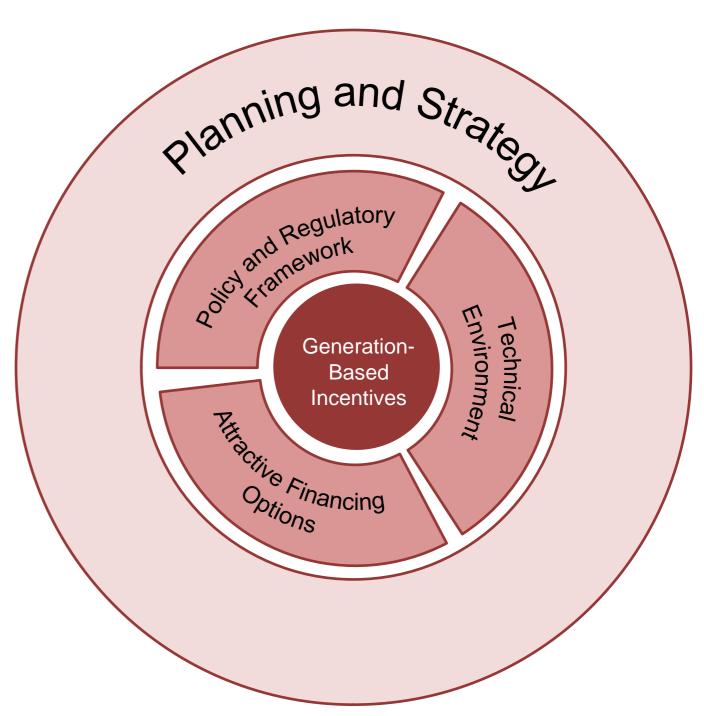


What is **Smart Renewable Energy Policy** in

**Developing Countries?** 

Planning and Strategy

- Generation Based Incentives
- Policy and Regulatory Framework
- Technical Capacity
- Attractive Financing

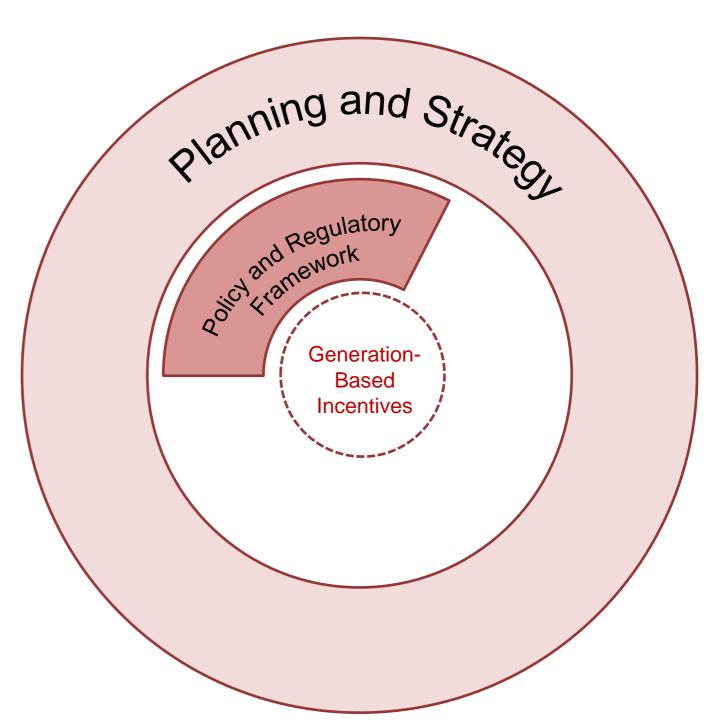




How Can Donors Support Smart Renewable Energy Policy?

Support for policy, regulation and institutions

- Technical Assistance
- Capacity Building, also for Civil Society
- Experience Sharing

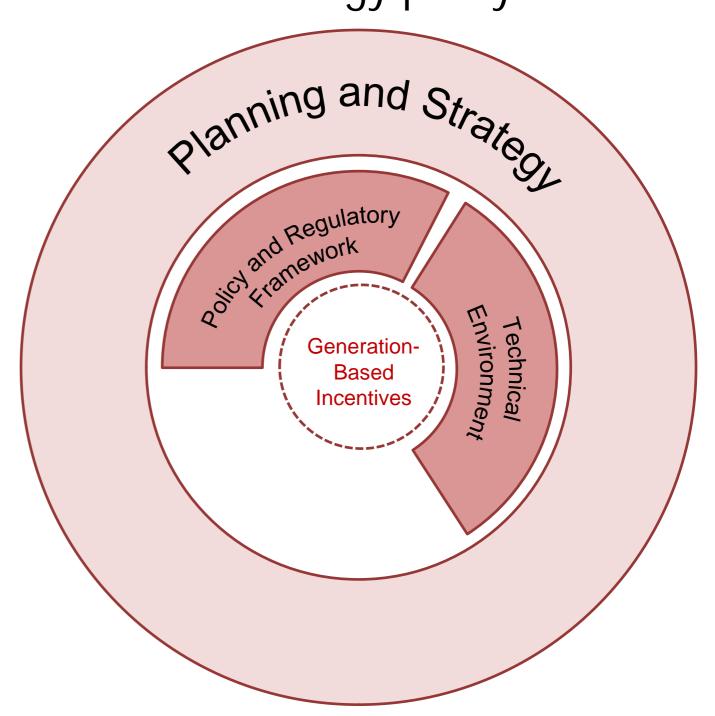




How can donors support smart renewable energy policy?

Building technical capacity

- Grid
- Installation
- Maintenance
- Operations

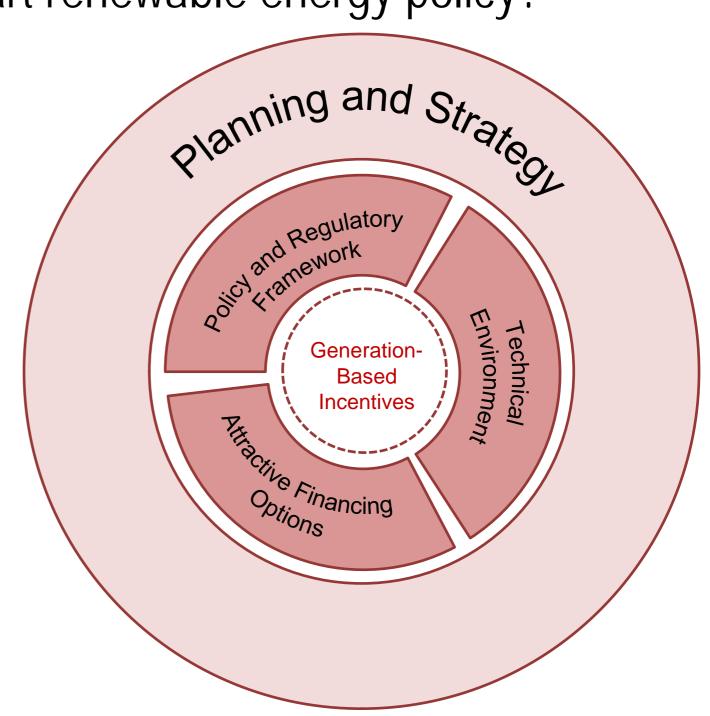




How can donors support smart renewable energy policy?

Concessional Finance and Risk Mitigation

- Concessional loans
- Loan refinancing
- Risk guarantees



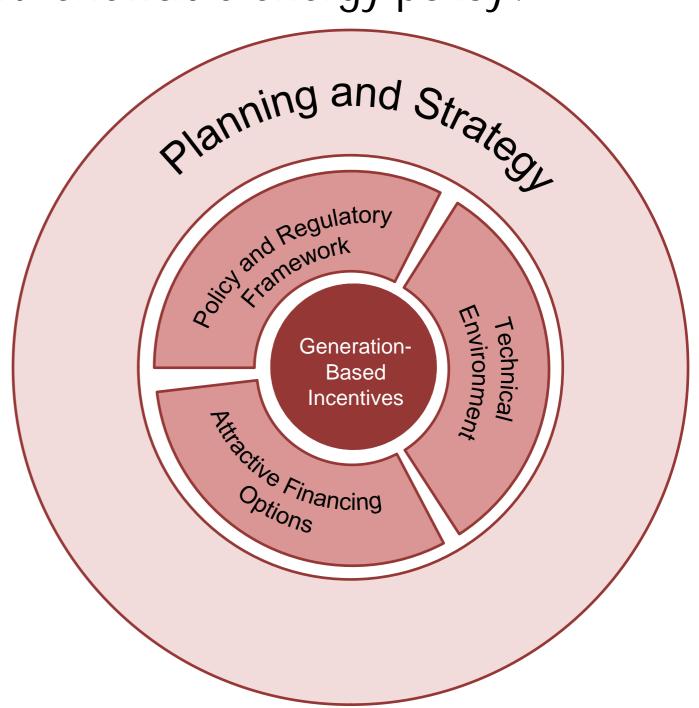


How can donors support smart renewable energy policy?

Financing generation-based incentives

No examples yet

Large opportunities for scale up





# A Window of Opportunity The moment for smart policy support

- New Green Climate Fund
- World Bank Energy Strategy
- U.S. Government's Investing in Clean Energy Strategy
- Norway's Energy+ Partnership Concept
- Germany's International Climate Initiative





"At a time of revolution the status quo is not a winning hand"
Robert Zoellick, President of the World Bank





This research was supported by the Heinrich Böll Foundation North America and the German Marshall Fund of the United States.

WORLD RESOURCES INSTITUTE

The slides were prepared by Edward Cameron (slides 2-7, 14-16) and Lutz Weischer (slides 8-14) with the support of Stephanie Hanson.

Photo credits: slides 1,16: Dominic Sansoni / World Bank; 5: Matthew Bates; 6,14,15: istockphoto.com; 7: Jamie Fergusson / IFC; 8: Lily Riahi.