

# Enhanced Rural Energy Access by Partnerships (5Ps) in Asia and The Pacific

Global Conference

Rural Energy Access: A Nexus Approach to  
Sustainable Development & Poverty Eradication

Economic Commission for Africa  
Addis Ababa, Ethiopia  
4-6 December 2013

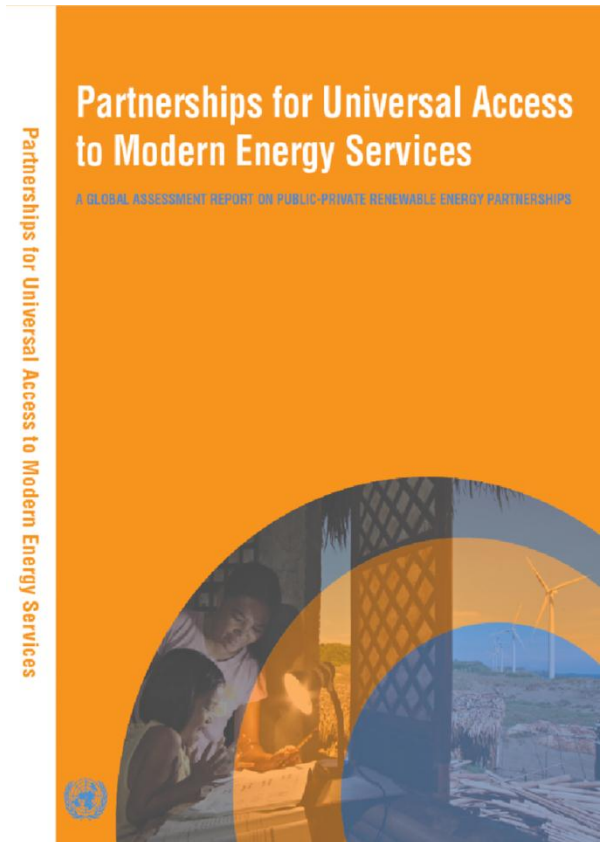


- **628 million people**  
in Asia and the Pacific lack access to electricity
- **1.8 billion people**  
in Asia and the Pacific still use traditional biomass
- **1.3 million people**  
in Asia and the Pacific are estimated to die each year from indoor air pollution



# Partnerships for Universal Access to Modern Energy Services

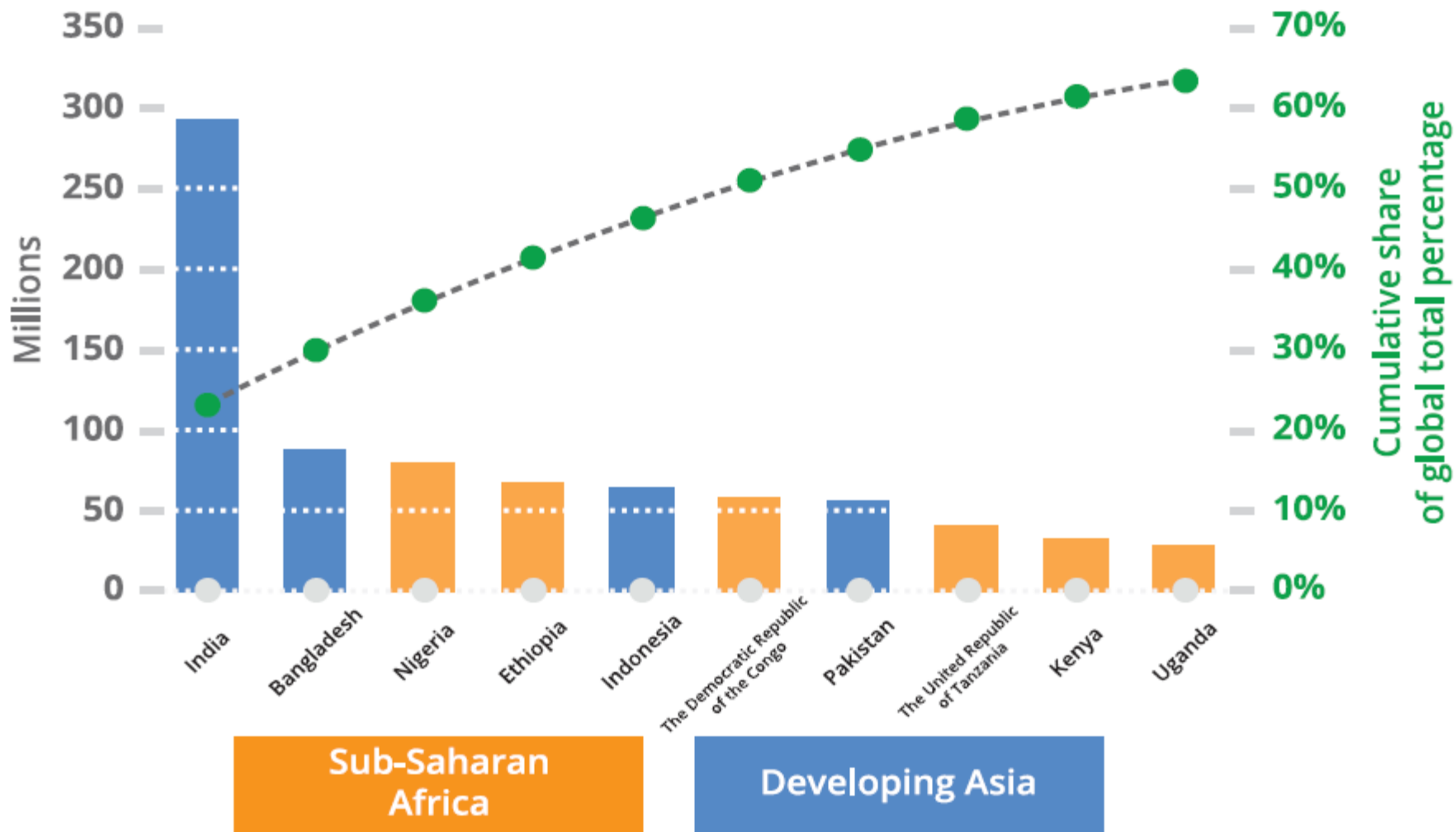
- A new report prepared by 5 UN RCs
- This is a joint work under UNDA project to enhance energy security and improve access to energy services through development of public-private renewable energy partnerships



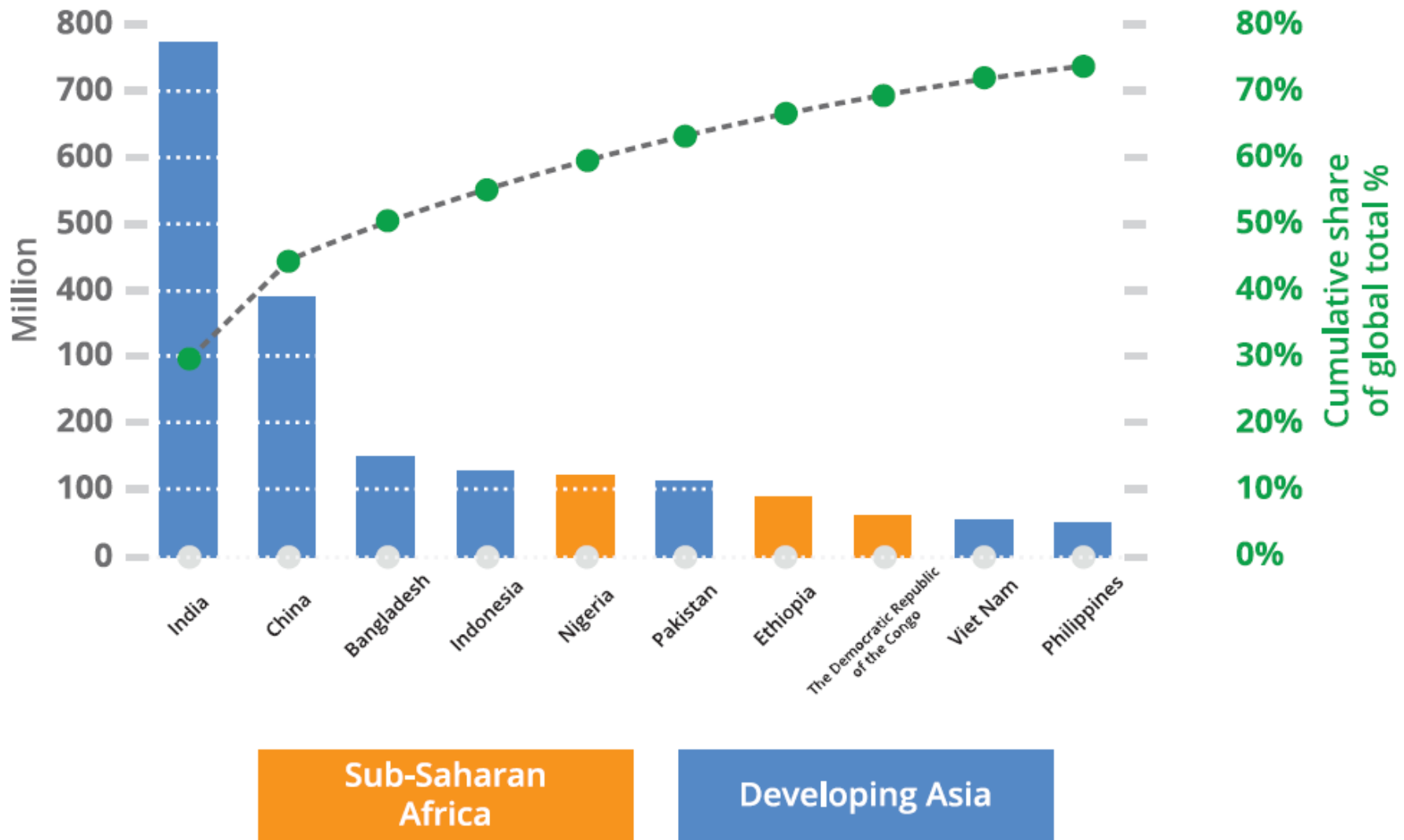
- This report finds
  - successful partnerships actively promote community empowerment through engagement of community members in leading to a higher level of ownership of community based energy projects
- It provides examples of practical experiences and good practices, to demonstrate that public-private renewable energy partnerships can play an effective role for improving energy access to the rural poor



# Countries with the largest number of population without access to electricity, 2010

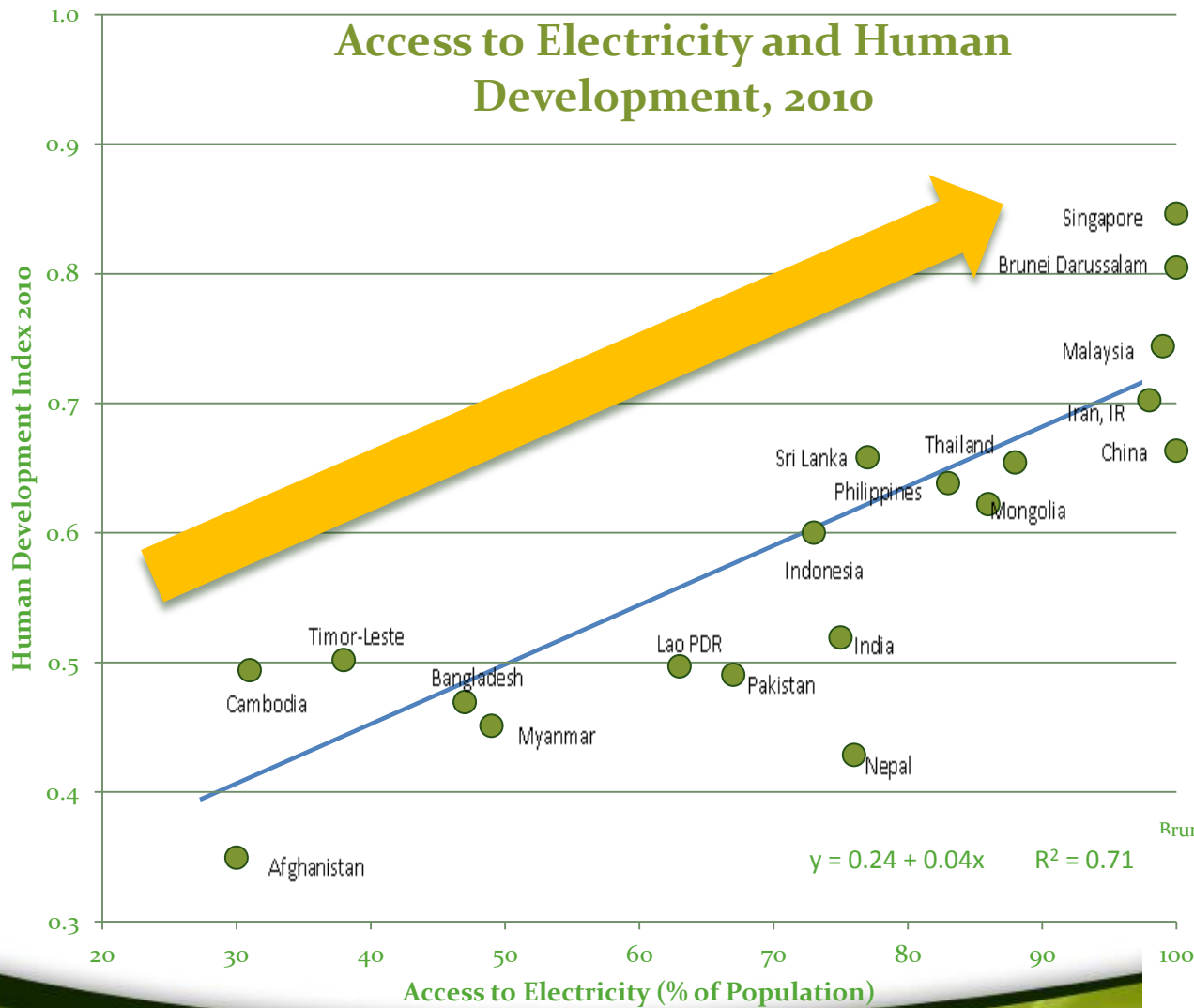


# Countries with the largest population relying on traditional use of biomass for cooking, 2010

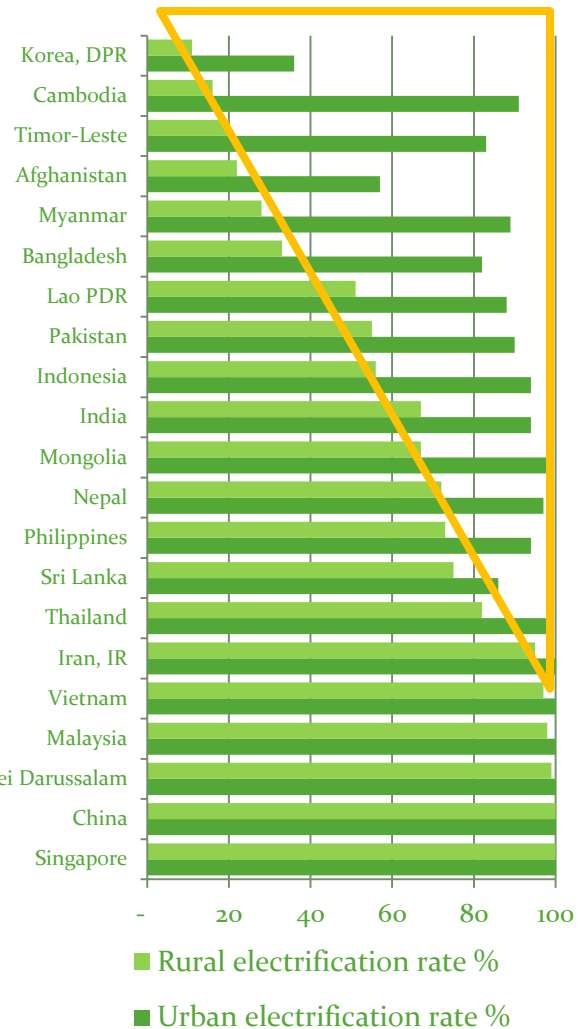


# Impacts and inequality of energy access

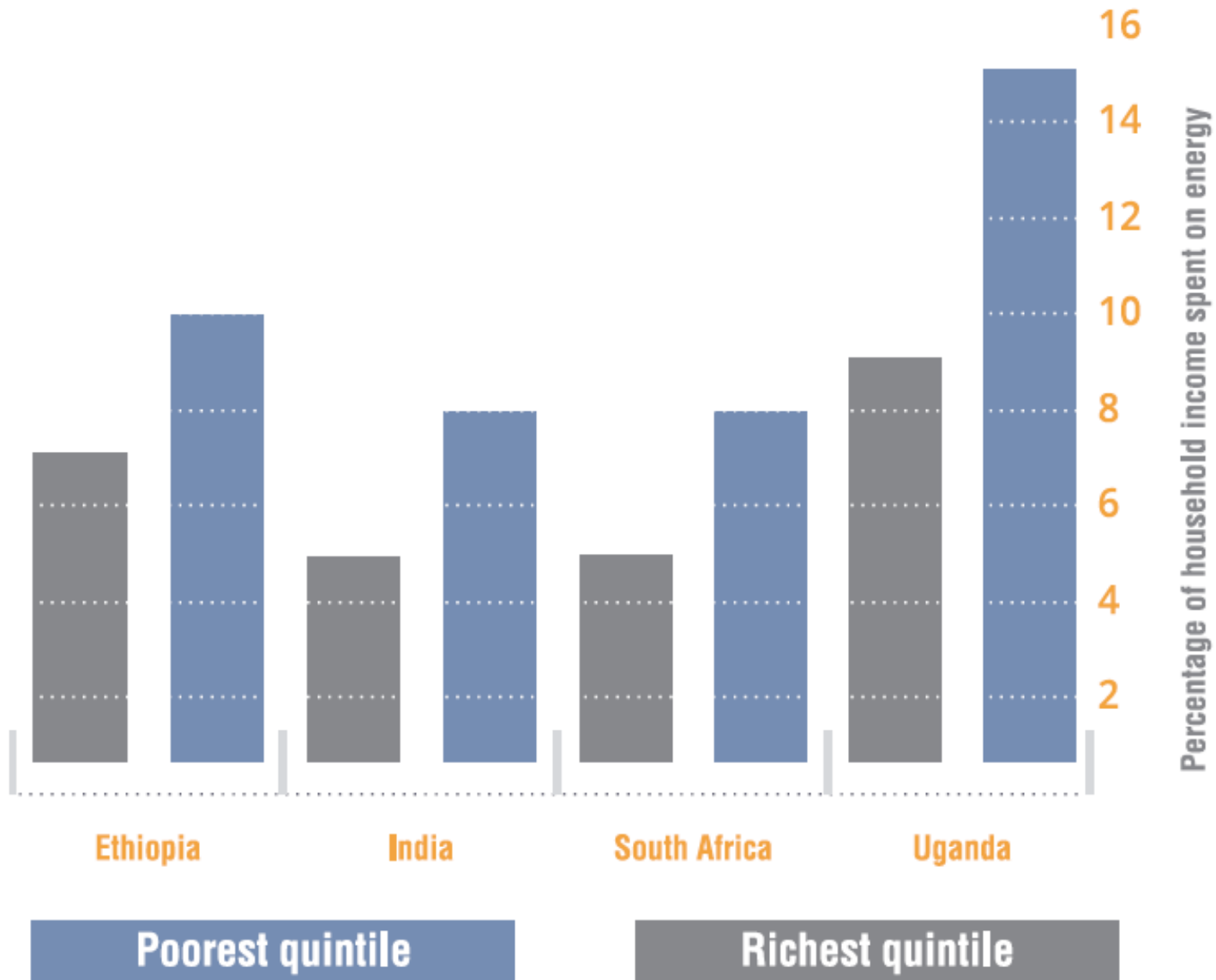
## Access to Electricity and Human Development, 2010



## Rural and Urban Electrification Rates, 2010



# Energy as a major expense for poor households





# Main challenges

- Political commitments
- Policies and institutional mechanism
- Capacity & technology
- Investment and financing



## The Asian and Pacific Energy Forum (APEF) 2013

- held on 27-30 May 2013 in Vladivostok, Russian Federation
- Brought together ministers and high-level officials from 35 ESCAP member-states



# The APEF resulted in the adoption of the...

## Ministerial declaration on regional cooperation for enhanced energy security and the sustainable use of energy in Asia and the Pacific

- Sets the principles of implementing regional cooperation, both with consideration of the general principles of sustainable development as contained in agreed international document and the specific characteristics of the diverse Asia-Pacific region
- Adopts the Plan of Action



# Plan of Action

on regional cooperation for enhanced energy security and the sustainable use of energy in Asia and the Pacific, 2014-2018.

- Vision

An Asia and the Pacific where:

- *Sustainable energy for all is a reality*
- *Enhanced energy security is present from regional to household levels*
- *An energy future of equity, diversification and access to all is secured*
- *The share of cleaner energies in the overall energy mix is increased*



## Energy access in the MD/POA

One session on Work towards universal access to modern energy services

- Developing regional programmes to accelerate the expansion of access to modern energy services
- Improving access to reliable, affordable, economically viable, socially acceptable and environmentally sound modern energy services
- Establishing and replicating more innovative financing schemes
- Accelerating the provision of electricity for lighting, communication and modern appliances and for productive use
- Promoting micro-, mini- and off-grid energy options



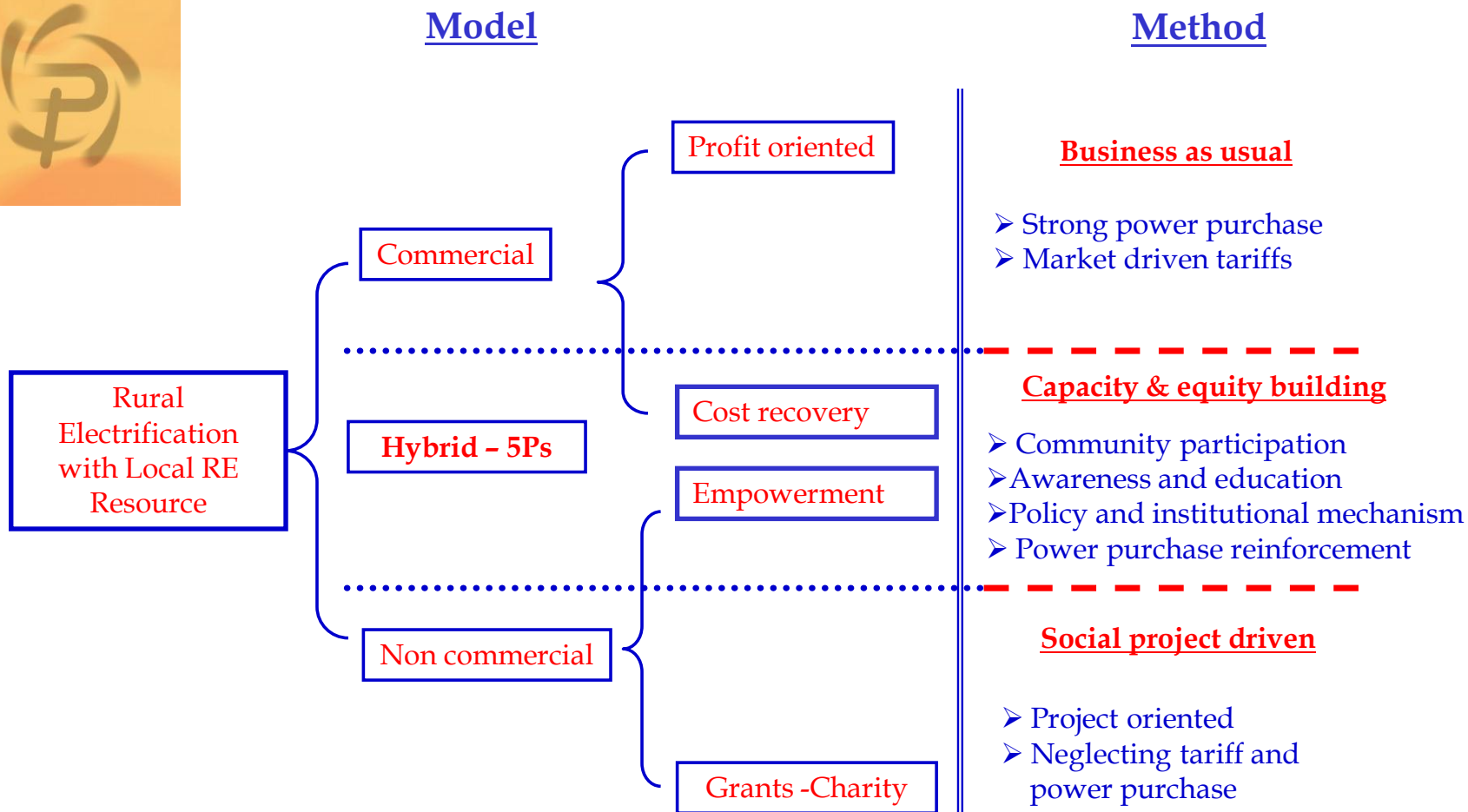
# Financing: a key challenge

- Renewable Energy: High Upfront Costs
- Tap Various Sources of Financing
- Financial models in rural energy include:
  - Small retail markets
  - Micro financing initiatives
  - National/multi stakeholder programmes
  - Public-Private Partnerships: credible source of financing

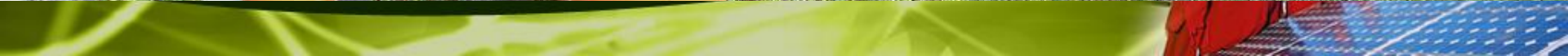


# ESCAP ongoing efforts

## 5Ps - Rural Electrification Market Segmentation Approach



# Cinta Mekar- Community hydro power by 5P





# Main Impacts

- **Income generation of the target community to support**
  - Electricity supplies to poor households
  - Social development (health, education, sanitation, etc.) and environmental benefit
  - Seed funds for off-farm economic activities for alternative or additional income generation



## Accomplishments & Results

- Sustainable development focusing on poverty reduction
- A partnership joint venture to develop, operate and maintain a mini-hydro power plant
- A sustained source of income to the target community
- A social development plan in place to be implemented
- Improved village infrastructure
- Improved standard of living of the poor through enhanced income and access to electricity and social services



# Thank you!

Further information, please contact

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