

The ECO-Asia - USAID
Asia Clean Energy Policy and Regulatory
Exchange
A Short Review

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Asia Clean Energy Policy and Regulatory Exchange: At a Glance

Objective

- Develop a regional platform for information exchanges, discussion, and planning that leads to more effective design and implementation of clean energy policies, regulations, and programs in Asia
- Coordinate closely with other initiatives and efforts to maximize synergies (multilateral and

Expected Outcome

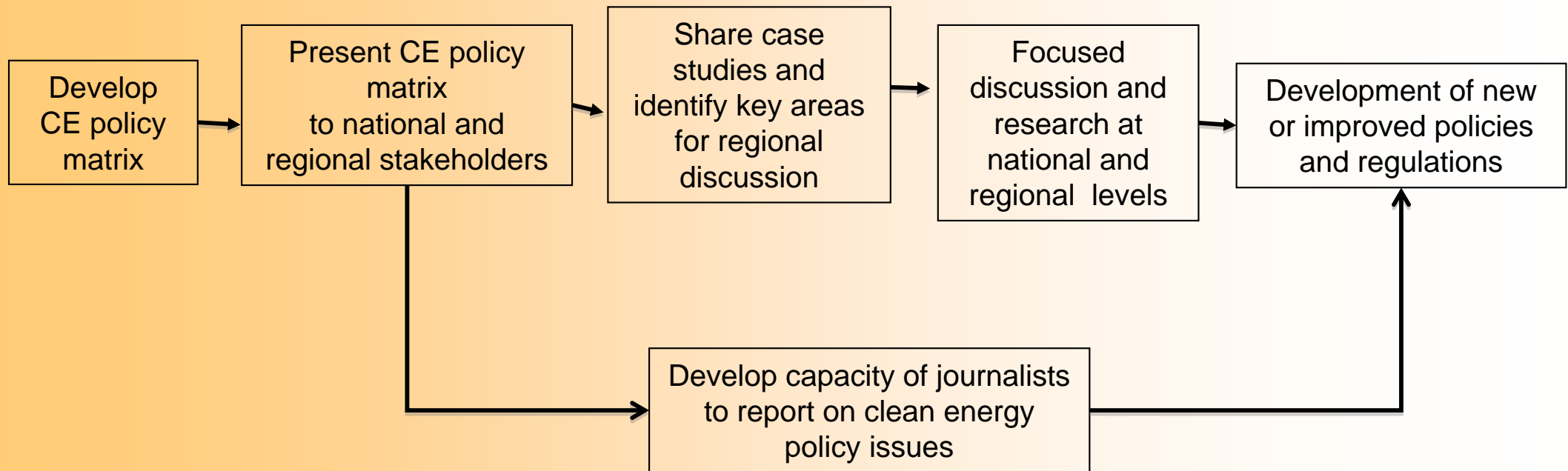
- New and improved policies, regulations, and programs for clean energy

Outputs:

1. Annual Regional Workshop at the Asia Clean Energy Forum (with ADB in Manila)
 2. Knowledge Portal that captures key developments and documents related to clean energy policy
 3. Reports on case studies, success stories, and macro policy impacts
 4. National workshops to facilitate design and implementation of new and improved policies, regulations and programs
 5. Workshops to develop the capacity of Asian journalists to report on clean energy policy issues
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Asia Clean Energy Policy and Regulatory Exchange: Activities

Activities of the ECO-Asia Regional Team





Policy Roundtables in 2010

- Philippines: 23 March
- China: 26 April
- India: 4 May
- Vietnam: 11 May
- Thailand: 13 May

- Key Objectives:
 - ◆ Present the concept of “The Matrix” – Get comments, adjust
 - ◆ Consult on priorities for EE and RE policies/regulations
 - ◆ Initiate plans for national/bilateral/regional workshops in late 2010

China India Indonesia Philippines Thailand Vietnam

Types of Policy, Regulation, Program

General Categories

Energy Sector Regulation

Electricity Regulator

Other (non-Electricity)

RE Policy Development

National

Regional/Local Support

Dedicated RE Agencies

National

Regional/Local

Quantitative National RE Targets

General RE

By Technology

Regulatory Instruments

Renewable Portfolio Standard

Net Metering

Feed-in Tarriff

Integrated Resource Planning

Penalties/Sanctions

Minimum Energy Performance Standards

Energy Performance Labeling

Market-Based Instruments

Fiscal Incentives (i.e. tax incentives)
Grants/Subsidies
Carbon Credits under CDM
Carbon Credits under Voluntary Markets
Renewable Energy Certificates
Energy Production Payments

Other Types of Instruments

Education
Information
Technical Assistance
Technology Transfer
Pilot/Demonstration Projects
Workshops/Conferences
Partnerships/Twinning
Public Recognition / Awards
Certification/Rating

Public-Sector RE Programs

Buildings

Transport

Purchasing Requirements for RE Products

Pilot/Demonstration Projects

Technology- or Sector-Specific RE Programs

Solar

PV

Thermal

Centralized Solar Power

Biomass/Biogas

Wind

Micro/Mini Hydro

Geothermal

Waste to Energy



Main Overarching Request: What works, what doesn't?

- ◆ Evaluations (impact and process) of instruments
Not just case studies → analytical “assessments”

Potential Topics for Assessment Reports

- Demand Side Management (DSM) in Thailand
- Banks role in energy efficiency financing
- Decoupling profits from electricity sales
- Feed-in tariff micro hydro power (FiT) in Indonesia
- Solar thermal program in Thailand
- Energy Auditing program in Thailand
- Minimum Energy Performance Standards (MEPS) in Korea
- Etc.



Roundtable Participants

	China	India	Philippines	Thailand	Vietnam
Participants	18 RE + 4 EE (+ 4 USAID)	7 + (4 USAID)	8 (+ 4 USAID)	11 (+ 3 USAID)	11 RE + 14 EE + (4 USAID)
<i>Organisations</i>	Academic, Ministry of Agriculture, research institutes, industry, foundation, consultant, NGO	RE Agency, regulator, consultant, industry, NGO	Ministry of Energy, Board of Investment, utility, financing institution, consultant, development agency, NGO	Academics, Ministry of Energy, utility, industry, NGO	Academics, Ministries for RE & Nuclear, Science & Technology & Environment; regulator, state oil & power company, RE industry, World Bank, NGO

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Asia Clean Energy Forum (ACEF)

Manila, 24 June 2010



Preselected Workshop Topics *Renewable Energy*

	China	India	Philippines	Thailand	Vietnam
Proposals on Renewable Energy (RE)	<ul style="list-style-type: none"> • Wind energy development in China (case study) • Administrative management for project development and pricing • Monitoring and Supervision for RE grid connection 	<ul style="list-style-type: none"> • Infrastructure and grid issues • Financing mechanism to reduce system costs • Incentivizing self-consumption of RE • Integration of off-grid RE projects in the main policy framework 	<ul style="list-style-type: none"> • Infrastructure and grid issues • Barriers for introduction of efficient vehicle technologies • Renewable Portfolio Standards • Net metering • Feed-in tariff rules 	<ul style="list-style-type: none"> • RE communities and networks • Feed-in tariff (adders) • Electricity tariffs 	<ul style="list-style-type: none"> • Infrastructure and policies • Feed-in tariff rules • Government subsidies • Selection of new technologies • Capacity Building and information dissemination

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Preselected Workshop Topics *Energy Efficiency*

	China	India	Philippines	Thailand	Vietnam
Proposals on Energy Efficiency (EE)	<ul style="list-style-type: none"> • Energy Service Companies (ESCO) • Cement Waste Heat Recovery (WHR) • EE operation modal method 	<ul style="list-style-type: none"> • Multi-state DSM program • Legal framework for Standards and Labeling • Revolving fund for ESCO projects • Public outreach program for energy consumers 	<ul style="list-style-type: none"> • DSM best practices • DSM regulations (decoupling) • Standards and Labeling framework 	<ul style="list-style-type: none"> • DSM regulations and management • Energy Efficiency Resource Standard (EERS) • Standards and Labeling • Cap & trade for energy saving 	<ul style="list-style-type: none"> • Standards and Labeling framework • ESCO service and fund • Public information • Capacity building for ESCOs • Mandatory building codes

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And Qualified for the Semi-Finals are...

- *In the Renewable Energy Category:*
 - ◆ Grid System Issues: China, India, Philippines
 - ◆ Feed-in Tariffs: Philippines, Thailand, Vietnam
- *In the Energy Efficiency Category:*
 - ◆ Demand Side Management (DSM) Issues: India, Philippines, Vietnam
 - ◆ Energy Service Companies (ESCO): China, India, Vietnam

Final Outcome

- Regional Workshop on Feed-in Tariffs at ACEF-2011, Manila

What failed?

- Matrix/Web-Platform development incomplete
- Regulation Design Workshops *not* carried out
- Twinning limited
- Ongoing process interrupted

What worked?

- Excellent use of USAID convening power
- Great motivation and stimulation for regional exchange
- Good tool to co-construct regulation with all stakeholders