



# Second National Forum on Climate Change Cambodia 3-5 October 2011

EEP Mekong: example of mitigation from a regional perspective

Kati Veijonen  
Counsellor

Embassy of Finland, Bangkok



# Energy and Environment Partnership (EEP) worldwide



- EEP Central America since 2002
- Mekong Region (Cambodia, Lao PDR, Thailand, Vietnam)
- Southern and East Africa (Botswana, Kenya, Mozambique, Namibia, South Africa, Swaziland, Tanzania and Zambia)
- Indonesia (2 provinces –Central Kalimantan and Riau);
- Andean Region (Colombia, Peru, Ecuador, Bolivia)

# Overall Objectives



To contribute to improved access to energy and energy services and reduction of greenhouse gas emissions

*As a result of the EEP activities, rural households, livelihoods and SMEs will have better access to RE services and technology*

# Geographical coverage



# EEP Mekong Phase 1 Funding



- Ministry for Foreign Affairs of Finland
- Nordic Development Fund (NDF)
- Total: € 7.9 million for 3 years (2010-2012)

# EEP Mekong Components



- Support to national policy, legislation and institutional framework
  - Development of RE, WTE and EE technologies and services (demand driven partnership activities)
  - Information and Capacity Building on RE, WTE, EE and energy markets
- > Contributes to the CC mitigation through all 3 Components

# EEP Mekong Calls for Proposals



- First call for Proposals: October 15 – December 31, 2009
- Second call for Proposals: August 2 – October 15, 2010
- Third call for proposals : January 17-March 11, 2011

# Eligible Applicants



- NGOs
- Private companies
- Public institutions
- Research organisations
- Academic institutions



# Technical Focus



- Biomass
- Biofuels
- Biogas
- Energy Efficiency/  
Conservation
- Geothermal
- Hydro power
- Solar
- Waste-to-Energy
- Wind

# Project activities eligible for funding



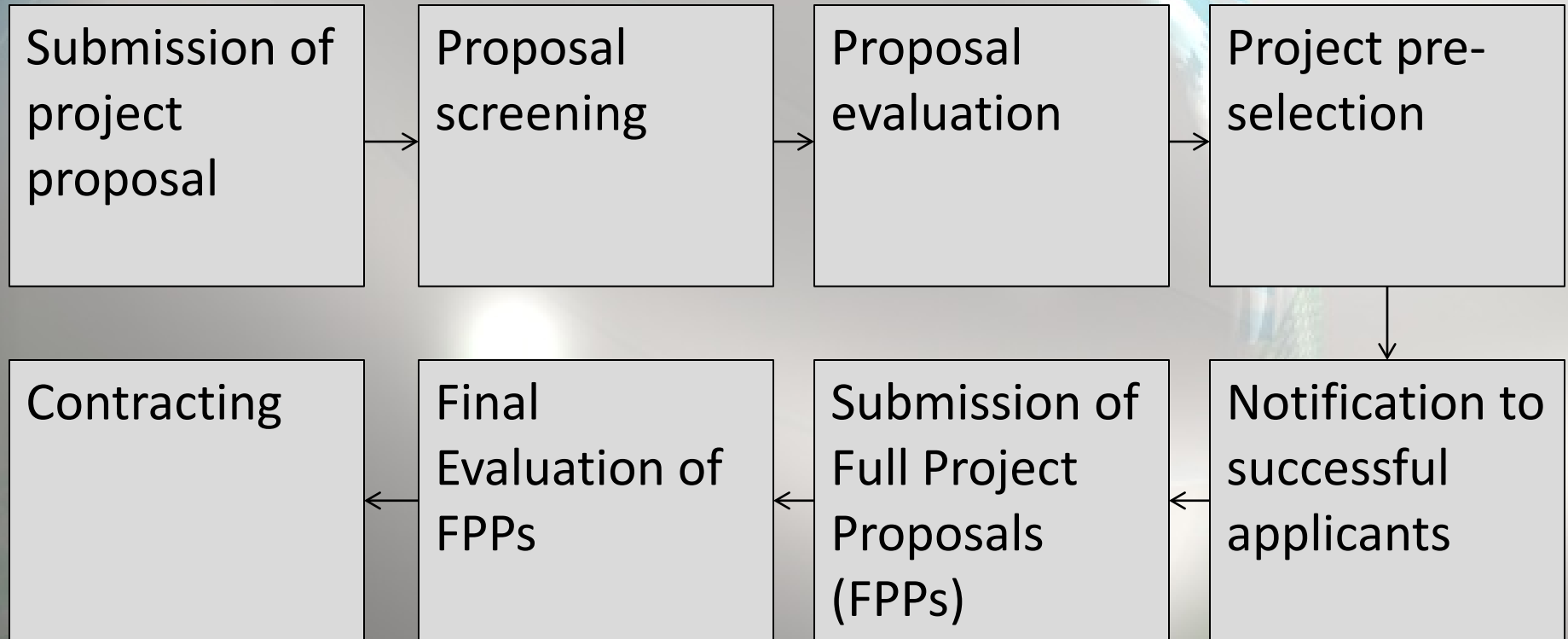
- Pilot Projects
- Demonstration Projects
- Pre-feasibility Studies/Feasibility Studies
- Capacity building/training
- Strategic / Policy studies \*

# Specific technical restrictions



- Projects with biofuel production for export not eligible
- Hydro power: capacity less than 10 MW

# Project Selection Process



- Two calls per year

# First Call for Proposals



<b>Country</b>	<b>Submitted</b>	<b>Evaluated</b>	<b>Pre-selected</b>	<b>On-going</b>
<b>Cambodia</b>	32	20	3	2
<b>Lao PDR</b>	39	35	5	3
<b>Thailand</b>	17	12	1	0
<b>Vietnam</b>	54	34	4	1
<b>Regional</b>	20	17	0	0
<b>Total</b>	162	118	13	6

# Second Call for Proposals



<b>Country</b>	<b>Submitted</b>	<b>Evaluated</b>	<b>Pre-selected</b>	<b>On-going</b>
<b>Cambodia</b>	8	7	2	1
<b>Lao PDR</b>	21	10	4	3
<b>Thailand</b>	22	16	2	1
<b>Vietnam</b>	41	35	4	3
<b>Regional</b>	13	13	2	2
<b>Total</b>	105	81	14	10

# Third Call for Proposals



<b>Country</b>	<b>Submitted</b>	<b>Evaluated</b>	<b>Pre-selected</b>	<b>Contracting as per Sept 2011</b>
<b>Cambodia</b>	27	21	5	5
<b>Lao PDR</b>	18	15	3	2
<b>Thailand</b>	13	7	2	1
<b>Vietnam</b>	37	32	10	5
<b>Regional</b>	10	10	1	1
<b>Total</b>	105	85	21	14

# On-going projects by Technical Focus



Technical Focus	1 <sup>st</sup> Call	2 <sup>nd</sup> Call	3 <sup>rd</sup> Call	Total
W-T-E	-	1	1	2
Solar	1	2	2	5
Biogas	-	3	1	4
Hybrid	-	1	4	5
Hydro	2	1	1	4
Biofuel	-	1	1	2
Biomass	1	1	2	4
EE/EC	1	-	1	2
RE-General	1	-	-	1
Wind	-	-	1	1
<b>Total</b>	<b>6</b>	<b>10</b>	<b>14</b>	<b>30</b>



# On-going projects by Activity



<b>Project Type</b>	<b>1<sup>st</sup> Call</b>	<b>2<sup>nd</sup> Call</b>	<b>3<sup>rd</sup> Call</b>	<b>Total</b>
<b>Demonstration Project</b>	3	1	1	5
<b>Pilot Project</b>		6	9	15
<b>Policy Development</b>				0
<b>Capacity Building</b>	1	1	3	5
<b>Feasibility Study</b>	1	2	1	4
<b>Pre-feasibility Study</b>		-		0
<b>Study</b>	1	-	-	1
<b>Total</b>	6	10	14	30

# Examples of on-going projects in Cambodia



# 1. Energy Savings Siem Reap



- Objective: to raise awareness on energy efficiency and energy conservation in the context of climate change and sustainable development.
- To demonstrate the practical feasibility of simple energy conservation measures by installing solar water heaters in selected sites and distributing compact fluorescent lamps (CFLs) to the general population.



# Energy Savings Siem Reap cont.



- Lead Partner: Cambodian Climate Change Department(CCCD), Ministry of Environment
- Partners:
  - Technical University of Denmark,
  - Risoe National Laboratory,
  - UNEP Risoe Centre (URC), Department of Energy Technique (DET),
  - Royal University of Phnom Penh, Department of Environmental Sciences
- Total Project Cost: € 369,950
- EEP Funding: € 299,400 (80,93%)
- Duration: 24 months

# 2. Improving Access to Solar for Rural Electrification



- Objective: to increase access to solar energy for rural electrification.
- The project aims to remove financial and technical barriers by introducing solar rental schemes, demonstrating the assembling of solar lanterns and solar home systems (SHS) and providing trainings on solar installations and solar entrepreneurship.
- Total Project Cost: € 307,016
- EEP Financing: € 136,997 (45%)
- Duration: 24 months



Lead Partner: Kamworks Ltd.

Partners: Cambodia Mutual Savings and Credit Network (CMSC), Pico Sol Cambodia (PSC)



# 3. Energy for Floating Communities



- Objective: to develop and demonstrate appropriate and sustainable energy solutions for floating communities, particularly waste-to-energy biodigesters and micro-solar power.



# Energy for Floating Communities cont.



- Lead Partner: Live & Learn Environmental Education
- Partners: Engineers Without Borders Australia, Lund University Department of Water, Resources Engineering
- Total Project Cost: € 66,000
- EEP Finance: € 23,000 (34,85%)
- Duration: 20 months

# Next Steps



- EEP Mekong Phase 2 (?)
- Fourth Call for Proposal
- Increase interaction between potential partners through Seminars/Workshops/ Forums
- More capacity building activities

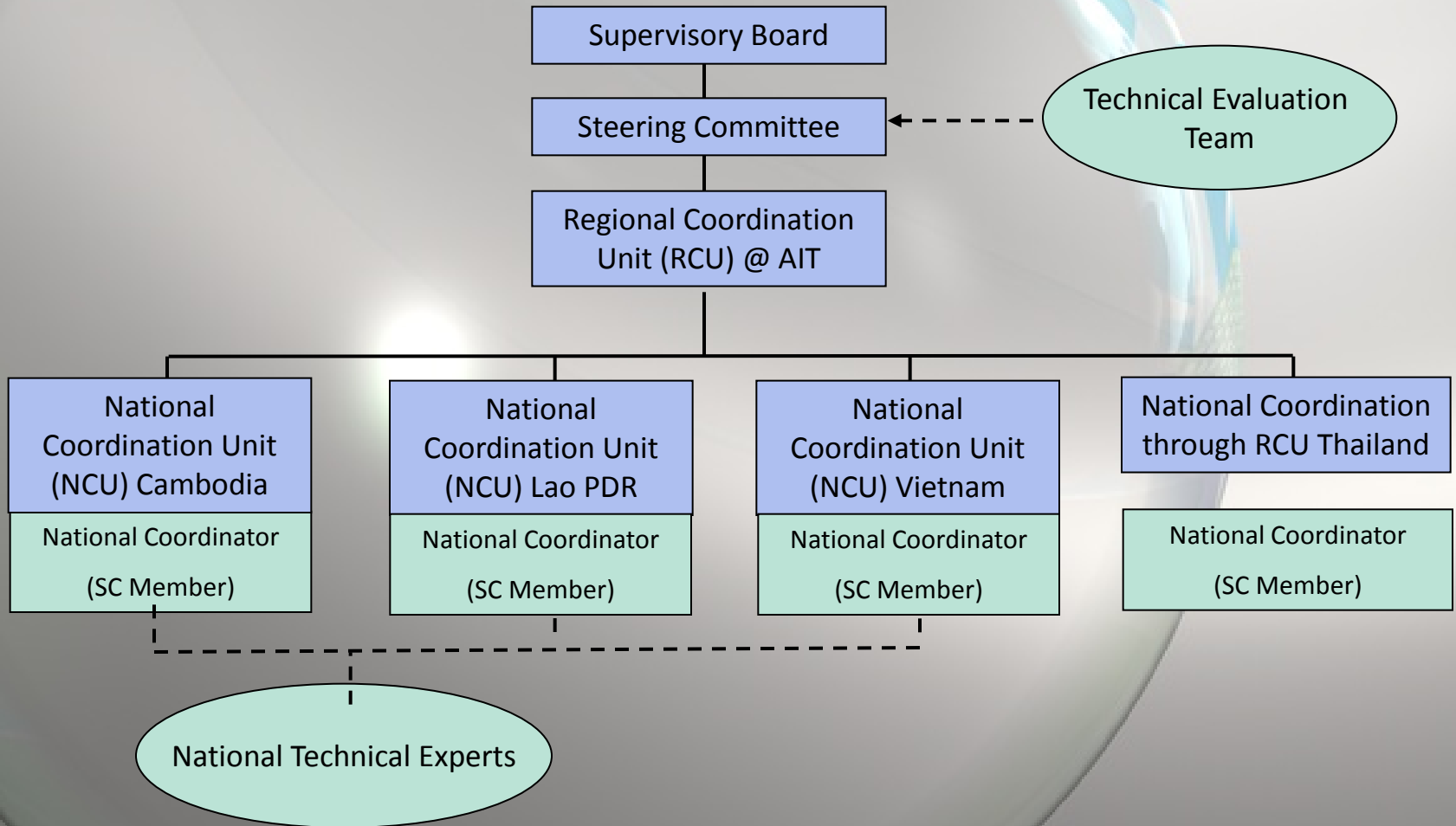


# Annual Regional Forum



- First Regional EEP Mekong Forum “Implementing Renewable Energy and Energy Efficiency Projects for a Sustainable Development of the Mekong Region” (Vientiane, October 26-27, 2010)
- Second Regional EEP Mekong Forum “Clean Energy Finance: Overcoming barriers to Financing Clean Energy projects in the Mekong Region” (Bangkok, November 15-16, 2011)

# Organisational Structure



# For further information



## **EEP Mekong Cambodia NCU**

**Mr. Toch Sovanna**, National Co-ordinator  
Ministry of Industry Mines and Energy  
[tsovanna@hotmail.com](mailto:tsovanna@hotmail.com)

**Mr. Mony Thourk**, National Technical Expert  
Ministry of Industry Mines and Energy  
[mony\\_thourk@eepmekong.org](mailto:mony_thourk@eepmekong.org)

**Mr. Uy Kamal**, Steering Committee Member  
Ministry of Environment  
[kamaluy@yahoo.com](mailto:kamaluy@yahoo.com)

# For further information



**EEP Mekong RCU**

**Dr Ludovic Lacrosse**, Chief Technical Advisor  
[ludovic\\_lacrosse@eepmekong.org](mailto:ludovic_lacrosse@eepmekong.org)

**Ms. Divina Nidhiprabha**, Financial Advisor  
[divina\\_nidhiprabha@eepmekong.org](mailto:divina_nidhiprabha@eepmekong.org)

# THANK YOU !

For more information:  
[www.eepmekong.org](http://www.eepmekong.org)

