



# THAILAND NDE

NATIONAL DESIGNATED ENTITY

## CTCN Technical Assistance in Thailand

**CTCN : Technology Transfer Insights**

**19 May 2016**

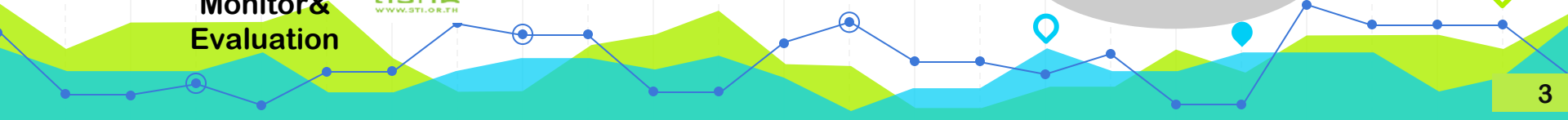
# National Designated Entity (NDE), Thailand

## National Science Technology and Innovation Policy Office (STI)



- ◉ 20 November 2014 National Climate Change Committee adopted STI as “Thailand NDE”
- ◉ 25 November 2014 The Cabinet approved STI as “Thailand NDE”
- ◉ **3 December 2014** Office of Natural Resources & Environmental Policy and Planning. (ONPEP) nominated STI as an “Thailand NDE”.

## The Process



# Thailand NDE Steering Committee

## Advisors

- National Climate Change Committee (Science and Technology)
- MOST Climate Change Coordinator Officer (Deputy Permanent Secretary)

## Chairman

Professor Dr. Naksitte Coovattanachai  
Advisor to Minister of Science and Technology and STI Secretary-General

## Committee Members

- Department of Industrial Work, Ministry of Industry
- Energy Policy and Planning Office, Ministry of Energy
- Department of Alternative Energy Development and Efficiency, Ministry of Energy
- Department of Environmental Quality Promotion, Ministry of Natural Resources and Environmental
- Thailand Greenhouse Gas Management Organization (Public Organization), Ministry of Natural Resources and Environmental
- Office of Natural Resources and Environmental Policy and Planning, Ministry of Natural Resources and Environmental
- National Science Technology Development Agency, Ministry of Science and Technology
- **The Joint Standing Committee on Commerce, Industry and Banking**
- **The Joint Graduate School of Energy and Environment**
- **King Mongkut's University of Technology Thonburi**
- **National Research Council of Thailand**
- **Thailand Research Fund**
- **Thailand Environment Institute**

## Secretariat

National Science Technology and Innovation Policy Office (STI)



## STI as an “Thailand NDE”

3 Dec 2014

**27 Apr 2015**

- CTCN & UNEP ROAP paid a courtesy call on Minister of Science and Technology
- Key Stakeholders Meeting (Focus Group)

**25 Sep 2015**

- National Stakeholder meeting
- Call for proposal

**23 Nov 2015**

- Steering Committee

**30 Nov 2015**

- NDE Submits 6 requests for Technical Assistance to CTCN

STI organized a national meeting of stakeholders to raise awareness of opportunities to utilize the services of the UN’s global network for climate technology solutions - the CTCN.

- Government sector
- University
- Research Institution
- Private sector
- NGOs



# Technical Assistants

## Adaptation and Mitigation

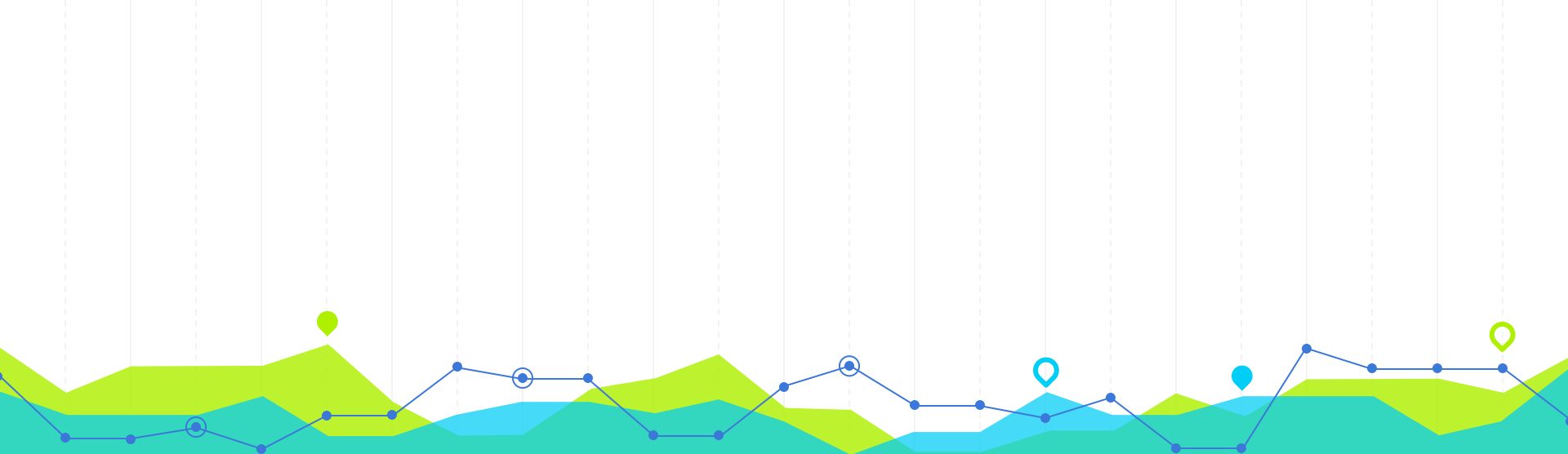
# Adaptation

No.	Title	Project Proponents	Sectors	Request Expert Team (RET)	Status
1	Capacity Building on Technology Development for Efficient Use of Resources in Agriculture Sector (14 Dec 2015)	National Science and Technology Development Agency (NSTDA)	Agriculture	• AIT (8 Jan 2016)	<ul style="list-style-type: none"> <li>• Response plan was complete (3 May 2016)</li> <li>• Waiting for project proponent to sign</li> </ul>
2	High resolution regional climate model projections for Thailand (14 Dec 2015)	Faculty of Social Sciences, Chiang Mai University	Early warning and Env. assessment	<ul style="list-style-type: none"> <li>• TERI</li> <li>• ICRAF (8 Jan 2016)</li> </ul>	Response plan : work in progress
3	Strengthening Bangkok's Early Warning System to respond to climate induced flooding (29 Jan 2016)	Bangkok Metropolitan Administration (BMA)	Early warning	• UNEP-DHI (12 Feb 2016)	Response plan signed by all (12 May 2016)

# Mitigation

No.	Title	Project Proponents	Sectors	Request Expert Team (RET)	Status
1	Fostering Green Buildings in Thailand Towards Low Carbon Society (18 Apr 2016)	King Mongkut's University of Technology Thonburi (KMUTT)	Building, Energy efficiency	• -	• -
2	Benchmarking Energy & GHGs Intensity in Metal Industry of Thailand (17 Mar 2016)	Iron and Steel Institute of Thailand (ISIT)	Industry	• TERI (15 Apr 2016)	Waiting for kick off meeting
3	Assessment of energy efficient street lighting technologies and financing models for Thai municipalities (3 Mar 2016)	Provincial Electricity Authority of Thailand (PEA)	Energy use	• TERI (15 Apr 2016)	Waiting for kick off meeting





# South-South Collaboration

## Bhutan NDE and Thailand NDE

**Activity 1 - Training and Field Visits in Bangkok and Chiang Mai (10 person)**



**15-19 Feb 2016**

The workshop was demonstrated Thailand's experiences in establishing an enabling environment to reduce greenhouse gas emissions and climate vulnerability, improving local innovation capacities, and increasing investments for large-scale clean technology deployment in the country.

**Site visits included**

- the Intelligent Traffic Information Center Foundation (iTIC) Chulalongkorn University,
- Expressway Authority of Thailand (EXAT),
- Bangkok Mass Transit System (BTS),
- Police Traffic Control,
- Pollution Control Department,
- Chiang Mai City Traffic Control,
- Chiang Mai Department of Rural Road Traffic Control Center, and
- Chiang Mai University Traffic Design and Control



**Activity 2 – NAMA training and proposal development (By UNEP DTU) @Bangkok (20-21 Feb 2016)**

**Activity 3 – Capacity building at Thimpu [Contingent to funding from Incubator program]**

- **Capacity Building for Bhutan's Local Government / Young Officers**
  - Urban Transport Planning
  - Land Use Planning
  - Road Safety
  - Emission Control
  - Intelligent Transport System
  - Biofuel
- R&D Support
- Master and PhD Program
- TNA Experience Sharing



# Lessons Learned

## For project proponent

- ✓ Every technology relates to Climate Change (adaptation and mitigation technologies)
- ✓ Link your proposal with Nat'l Climate Change plans (Nat'l Climate Change Master Plan, NC, NAMA, NAP, INDC etc.)
- ✓ The window for implement the TNA with both developed countries and developing countries (Not only North-South but also South-South in particular neighboring country)

## For NDE



**Try to work or communicate with NDA (GCF focal point) and other funding agency**



**Engage every stakeholders especially private sector**



**Public announcement**



**Prepare for many questions from project proponents**



**Need more information about rules and condition of CTCN process**



**Face to face meeting with consortium for preparing the response plan is very important**



**Be patient : preparing the response plan process may take more time than you expect**

# Thank You

Thailand NDE  
National Science Technology and Innovation  
Policy Office (STI)



319 Chamchuri Square Building,  
14<sup>th</sup> Fl., Phayathai Rd., Patumwan  
Bangkok, 10330 Thailand



ThailandNDE@sti.or.th



www.sti.or.th



Tel: + 66 2160 5432 to 37  
Fax: +66 2160 5438

## How to Survive



in *Climate Change* era

For more information, please  
contact

Ms. Supak Virunhakarun  
Senior Policy Researcher  
Department of Energy and  
Environment, STI  
E-mail : supak@sti.or.th