



THAILAND NDE

NATIONAL DESIGNATED ENTITY

CTCN Technical Assistance in Thailand

CTCN : Technology Transfer Insights

19 May 2016

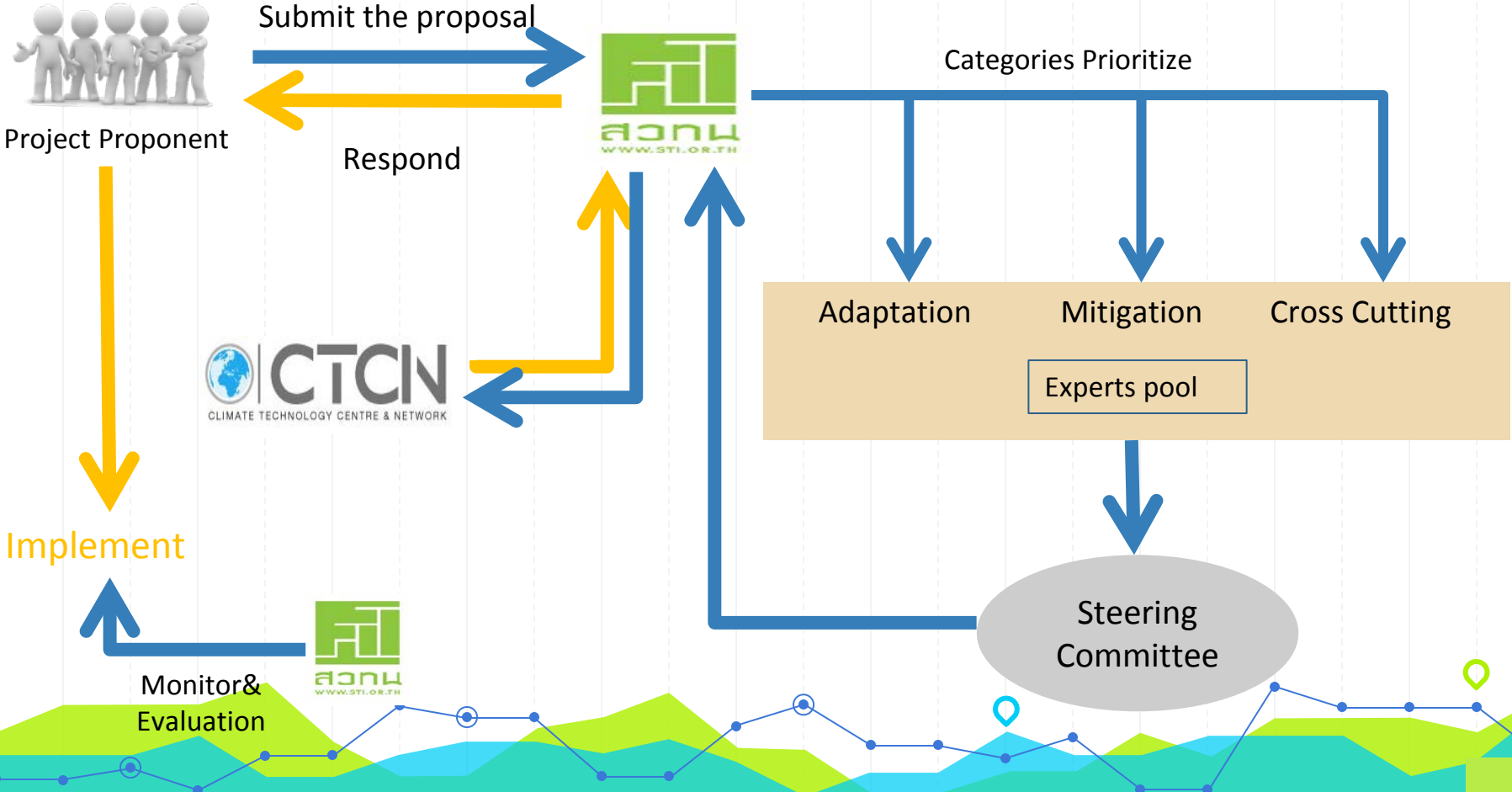
National Designated Entity (NDE), Thailand

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

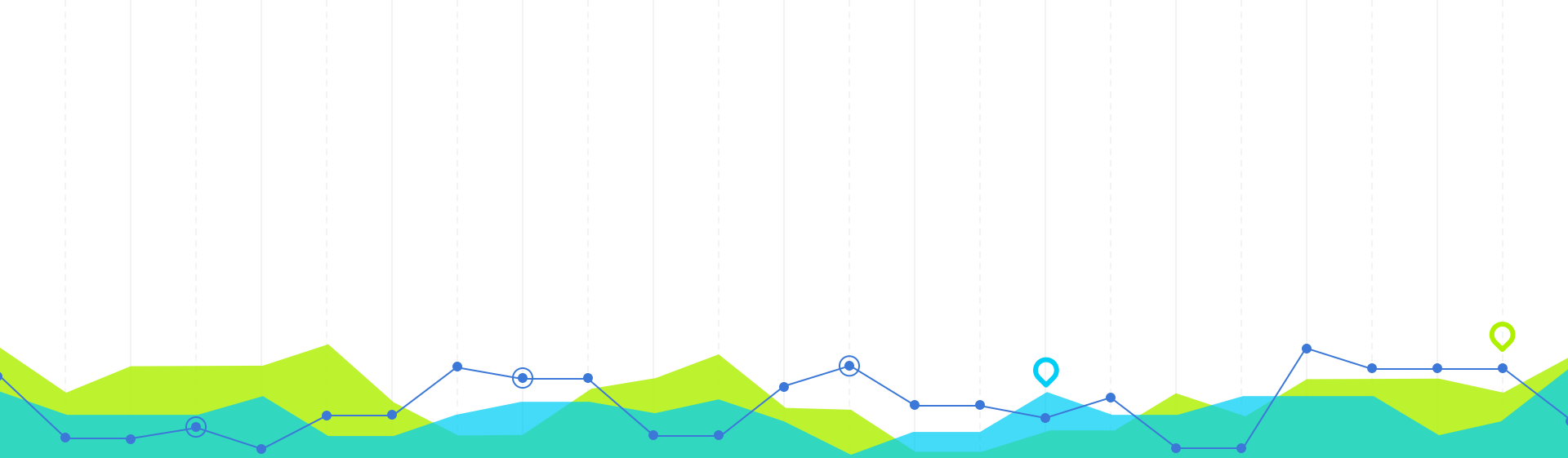
- Steering Committee

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

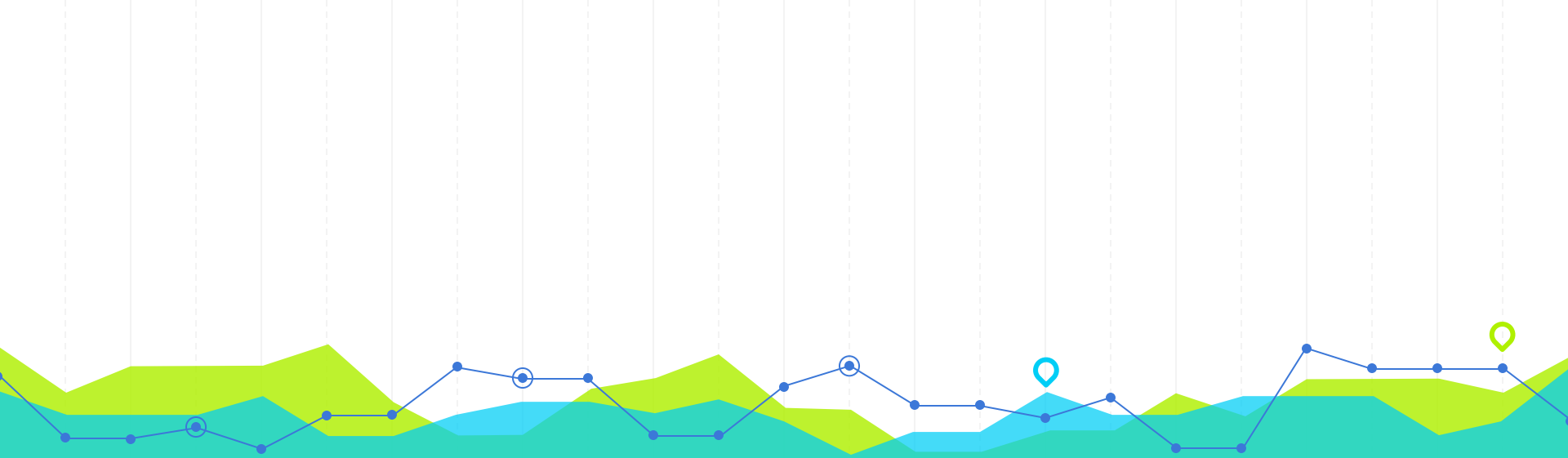


Technical Assistants

Adaptation and Mitigation

| 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 | <ul style="list-style-type: none"> AIT (8 Jan 2016) | <ul style="list-style-type: none"> Response plan was complete (3 May 2016) Waiting for project proponent to sign |
| 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"> TERI ICRAF (8 Jan 2016) | 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 | <ul style="list-style-type: none"> UNEP-DHI (12 Feb 2016) | Response plan signed by all (12 May 2016) |

| 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)

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



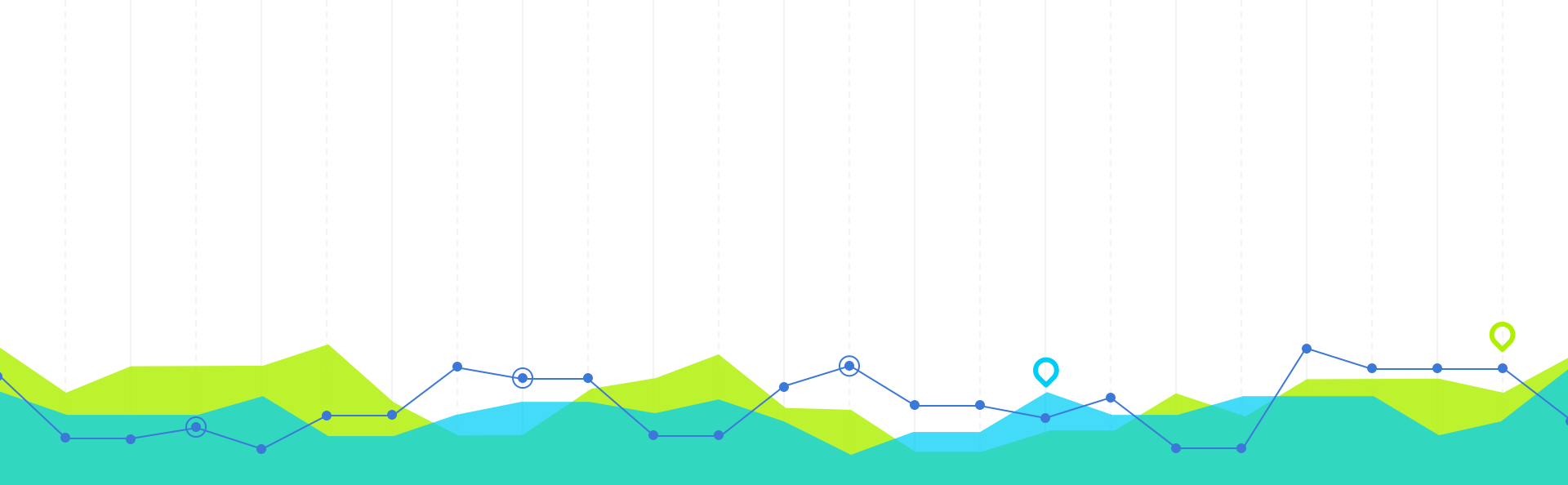
15-19 Feb 2016



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

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National Science Technology and Innovation
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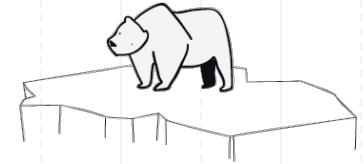


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How to Survive



in *Climate Change* era

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