



Thailand's Annual International Training Course
(AITC)
Course Information

Global Warming Mitigation and Adaptation
by Balancing Sustainable Energy Management
30 January – 14 February 2019

Closing date for application : 7 December 2018

TICA ; Thailand International Cooperation Agency

is a national focal point for Thailand's international development cooperation. TICA was established in 2004 to realize Thailand's aspiration to be a contributor of development cooperation. Believing that global challenges are best addressed by international cooperation and global partnership, today we continue to strengthen our contribution to achieve global development agenda through various capacity-building and human resources development programmes. In response to the recent changes in the global landscape of development cooperation, especially through the concept of South-South and Triangular Cooperation, TICA continues to realign our focuses in order to deliver Thailand's commitment to be a relevant partner in global agendas including the 2030 Agenda for Sustainable Development.

AITC : Annual International Training Course

was initiated in 1991 as a framework in providing short-term training for developing partners. Today, the AITC remains one of TICA's flagship programmes. It offers not only a training experience, but also a platform in exchanging ideas and establishing professional network among participants from across the developing world. Aiming at sharing Thailand's best practices and experience to the world, the AITC training courses focus on development topics of our expertise currently categorized under five themes namely; "Sufficiency Economy Philosophy" or SEP, Food Security, Public Health, Climate Change, and Other topics related to Sustainable Development Goals (SDGs).

Faculty of Environmental Management

Prince of Songkla University

Established in 1970, Faculty of Engineering, Chiang Mai University has become one of the most renowned science and technology institutions in Thailand. Comprised of 7 engineering departments including Environmental Engineering Department, the faculty aims at creating qualified engineering personnels to support sustainable development of the country.

AITC Theme : Climate Change

This training course falls under the AITC theme – "Climate Change". We believed that Climate Change is one of the most serious and pressing global challenges with momentous consequences if left unattended. Therefore, strengthening resilience and adaptive capacity to climate-related hazards and natural disasters is crucial to sustainable future. The AITC courses under the theme "Climate Change" are part of Thailand's commitment to work with the international community to achieve SDG goal # 13 on Climate Action.

Course Objectives

This training course aims at sharing Thailand's knowledge and experiences regarding sustainable energy management concept for climate change mitigation and adaptation. At the end of this course, participants are expected to:

- Gain knowledge on environmental engineering disciplines necessary for climate change mitigation and adaptation.
- Understand concepts and how to apply different alternative energy approaches for sustainable energy management.
- Be able to develop relevant plans and policies to the case of their respective countries.

Course Methodology

Training methodologies to be used during this training course include;

- Lecture
- Group Discussion
- Study visits

Assignment and Evaluation

- In-class participation.
- Submission and 15-20 minutes presentation of "Country Report".
- Reading Assignment – Participants are required to read about Global Warming, Kyoto Protocol, Energy Conservation, Renewable Energy, Sustainable Energy Management, and Sustainability Measurement
- Project Assignment
- Attendance - Participants are required to attend all activities organized during the course. TICA reserves the rights to revoke its fellowship offered or take appropriate action in case a participant is in attendance of less than 90 percent of the training hours.

Course Outline

This training course focuses on how to apply different alternative energy approaches for sustainable energy management. Topics of the training are such as;

- Global Warming related Energy and Future
- NAMA and Sustainable Development Goal
- Solar Energy (Solar PV, SPCG Solar farm monitoring station Solar Thermal)
- Waste from Energy (EE, RE, Biomass Energy, Life Cycle Cos Analysis, Green House Gas)
- Waste to Energy (Biomass Gasification, Waste Management, Cow and Chicken Manure Biogas)
- Merit of Order for Power Plant Management
- Public Participation
- Carbon and Water Footprint
- Air Pollution from Energy Business
- Biological Impact from Power Plant
- EIA for power plant
- Statistical Impact from Power Plant
- Low speed wind turbine
- Case Study of Rice and Climate Change

Participant Criteria

Candidates must possess qualifications as specified in "Guideline for Thailand's Annual International Training Course Programme" No. 2 "Qualifications" as well as following qualifications:-

- Currently working with at least two-year experience in relevant fields.
- University graduated in the field of environment, energy or science.
- Be able to bring and use his/her personal computer for the whole training period. (All documents and handouts will be in form of soft file)

Application

- Candidates must be nominated/ endorsed by their respective governments of the eligible countries/territories by the closing date for application.
- Complete nomination documents must be submitted to TICA through the Royal Thai Embassy/ Permanent Mission of Thailand to the United Nations/Royal Thai Consulate-General accredited to eligible countries/ territories.

(See "List of Eligible Countries" for more information)

Selection and Confirmation

- Particular attention shall be paid to the candidates' background, their current position, and practical use they expect to make of the knowledge and experience gained from training on the return to their positions.
- Selection of participants is also based on geographical distribution and gender balance.
- Successful applicants will be informed approximately 4 weeks before the beginning of training course.
- Successful applicants must return duly completed and signed acceptance form by the deadline to confirm their participation in the programme.

Number of Participants

20 persons

Terms of Awards

AITC Training Fellowship* include training fee, return economy-class, airfare, accommodation, allowance, insurance, airport transfer and social programme.

* Subject to rates and conditions established by TICA

Training Institution and Venue

Faculty of Environmental Management,
Prince of Songkla University,
Hadyai, Songkla,
Thailand.

Contact

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For more information on qualifications, application forms, and application procedures, please visit our website at <http://www.tica.thaigov.net/main/en/information/73803-Annual-International-Training-Course.html>

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