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

Modern Technology for Sustainable Agricultural Systems (MoTSAS)

19 June – 5 July 2018

Closing date for application : 16 March 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).

Department of Agricultural Science, Faculty of Agriculture Natural Resources and Environment, Naresuan University.
The Department has 11 laboratories and 40 academic staffs with a broad array of specializations in agricultural science and technology that cover in the broad area such as biological control, integrated pest management, bio-pesticides, plant growth promotion by PGPR, plant breeding, production of plant-secondary metabolites by tissue or cell culture, plant molecular genetics, soil microbiology, organic farming, post-harvest technology and quality control, crop modelling, GIS and remote sensing, tropical animal production and nutrition, natural animal and aquaculture production.

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 in applying modern technology approaches in sustainable agricultural systems. At the end of this course, participants are expected to;

- Gain knowledge and skill on the application of modern technologies applicable for sustainable agricultural development.
- Understand concept of "Sufficiency Economy Philosophy" and "New Theory", Thailand's approach for sustainable agricultural development.
- Be able to apply approaches and concepts to the case of their respective countries.

Course Methodology

Training methodologies to be used during this training course include;

- Lecture;
- Group work;
- Laboratory practice/ Practical excercise;
- Field visit.

Assignment and Evaluation

- In-class participation.
- Group Work and Presentation.
- Submission and presentation of "Country Report".
- 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 modern technology approaches in sustainable agricultural systems. Topics of the training are such as;

- Sufficiency Economy Philosophy and New Theory;
- Farming system research;
- Seed science and technology;
- Important natural enemies to control insect pest in rice;
- Mass rearing technique of certain natural enemies;
- Basic concepts and applications of crop model for the improvement of crop production; precise integrated crop management;
- Biotechnology in agricutural systems;
- Basic concepts of plant diseases;
- GIS and remote sensing in plant diseases;
- Organic Bio-fertilizer production;
- Microbial fertilizers for soybean and rice production;
- Postharvest science and quality management of value-added horticultural products;
- Risk assessment and GAP standard (Global GAP);
- Food Safety Law & Regulation;
- Molecular genetic markers for modern livestock production;
- Near-infrared spectroscopy (NIRS) in animal productions
- Appropriate technology in aquaculture.

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 agriculture or relevant fields.

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

Department of Agricultural Science,
Faculty of Agriculture Natural Resources and Environment,
Naresuan University.

Contact

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Thailand International Cooperation Agency (TICA)
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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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