



Course Outline

Annual International Training Course

1. Course Title: Climate Change and Health Adaptation from Climate Change

2. Duration: 4 days

3. Background:

Climate change and Health

Climate change affects environmental determinants of health and other environmental factors, such as urbanization, waste generation, and pollution. These factors further amplify the adverse impacts of climate change. There is a very high level of confidence that human health has been affected both directly and indirectly due to climate change. This range of scenarios includes deaths from extremely high temperatures to changes in the patterns of various diseases. Climate change is a significant and emerging threat to public health, leading to increased healthcare expenses and national expenditures.

Thailand International Cooperation Agency (TICA)

TICA 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 to international development cooperation. Believing that global challenges are best addressed through international cooperation and global partnership, today we continue to work 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.

Organization/Institution

Health Impact Assessment Division, Department of Health,
Ministry of Public Health, Thailand

4. Objectives:

The program is designed to:

- 1) To build the capacity of public health practitioners with knowledge on climate change and health and skills in the management of the health risks associated with climate change.
- 2) To provide an opportunity for sharing knowledge, experiences and discussion regarding the best practices in the implementation of Climate Change and Health

5. Course Contents:

The training course will 4 days and will employ a variety of learning modalities to achieve its objectives. These modalities include lectures, workshops, and group discussions. Some sessions will be designed to incorporate case studies, providing opportunities for participants to discuss and share their knowledge and experiences.

Module 1 Overview of Climate Change and Health

Module 2 Policy on Climate Change and the Implementation of Health Adaptation Plans

Module 3 Climate Change, Health Risk Assessment, and Health Impacts

Module 4 Health Impacts from Climate Change

Module 5 Management and Health Risk Communication from climate change

Module 6 Health and Climate change Adaptation and Low-Carbon Healthcare Facilities

Module 7 Health and Climate change Adaptation Development

Module 8 Cooperation for Health and Climate Change

6. Participants' Criteria:

The training course will consist of 25 participants. Applicants must fulfill the following requirements:

- Be nominated by their respective governments, specifically public health and environment practitioners from the Ministry of Health and Ministry of Environment
- Be responsible for, or involved in, work related to climate change
- Have proficiency in English (speaking, listening, reading, and writing)
- Priority for ASEAN country participants

7. Attendance and Evaluation

Participants who complete the training will receive a certificate based on:

- 1) The participant registers for the training course each day.
- 2) The participant must attend at least 80% of the training course each day.
- 3) The participant must complete the training course evaluation.

8. Venue: Onsite at a hotel in Bangkok.

9. Expected Results:

- 1) This training course will enhance the capacity of public health practitioners and environment practitioner to comprehend the health impacts of climate change, utilize tools for assessing health risks, vulnerability, reduce and address the health impacts resulting from climate change, and formulate policies for in addressing health risks associated with climate change.
- 2) The dissemination plan will be collaboratively developed by participants to ensure that the knowledge and skills acquired during the training are effectively shared and applied at the national and local levels.
- 3) Collaboration between national public health and environmental officials in planning to prevent health impacts from climate change.
- 4) A comprehensive report on the training course will be developed. This report, along with session modules, case studies and other essential course materials, will be disseminated.

10. Organization/ Institution:

Implementing Agency

Health Impact Assessment Division, Department of Health,
Ministry of Public Health, Thailand

Contact Person

Ms. Kornwipa Punnasiri

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11. Expenditure/Funding:

Thailand International Cooperation Agency (TICA)
Government Complex, Building B (South Zone), 8th Floor,
Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND
Website: <https://tica-thaigov.mfa.go.th/en/index>
Email: aitc@mfa.go.th

Schedule for the Training Programme:

Date/ Period /Topic	Time (Thailand time)	Content	Speaker	Note
Day 1				
	09.00 - 09.30 (30 minutes)	- Registration - Pre-test	ASEAN Member States (AMS)	
Inauguration	09.30 - 10.00 (30 minutes)	- Opening Remarks	Director General, Department of Health, Ministry of Public Health, Thailand ASEAN Secretariat	
Module 1 Overview of Climate Change and Health				
Overview of Climate Change and Health	10.00 - 11.00 (1 hour)	- Definition of climate and climate change and health impact - Source trending projection - Role of public health in national and world level to prepare and protect health risk from climate change - Health Adaptation Plan in United Nations and Thailand	World Health Organization (WHO) (TBC)	
Module 2 Policy on Climate Change and the Implementation of Health Adaptation Plans				
Policy on Climate Change and the Implementation of Health Adaptation Plans	11.00 - 12.00 (1 hour)	- Policy or plan related to Climate Change and Health - Role of public health to cope with the Health Impacts of Climate Change - National Adaptation Plans (NAPs) under UNFCCC - Health National Adaptation Plan (HNAP)	Department of Climate Change and Environment, Thailand (TBC)	
	12.00 - 13.00 (1 hour)	Lunch Break		
Module 3 Climate Change, Health Risk Assessment, and Health Impacts				
Climate Change, Health Risk Assessment, and Health Impacts	13.00 - 14.00 (1 hour)	- Principle at risk from Climate Change - Impact Chain - Health Risk Assessment of Climate Change; Burden of Disease related to Climate Change, Economic Assessment	Mahidol University, Thailand (TBC)	

Date/ Period /Topic	Time (Thailand time)	Content	Speaker	Note
		of the Health Impact of Climate Change		
Workshop / Group Discussion	14.00 - 17.00 (3 hours)	<ul style="list-style-type: none"> - Health Impact of Climate Change (Analyze the Impact Chain from diseases related to Climate Change) - Group presentations 	Participants Moderator: Mahidol University, Thailand (TBC) & Department of Health, Ministry of Public Health, Thailand	
Day 2				
	08.30 – 09.00 (30 minutes)	- Recap of Day 1	Participant assigned through a random selection process	
Module 4 Health Impacts from Climate Change				
Health Impacts from Climate Change	09.00 - 12.00 (3 hours)	<ul style="list-style-type: none"> - Excessive Heat and High Temperature - Food and water borne disease - Severe Drought and Flooding - Water Sufficiency 	Mahidol University, Thailand (TBC)	
	12.00 - 13.00 (1 hour)	Lunch Break		
	13.00 – 16.00 (3 hours)	<ul style="list-style-type: none"> - Vector-Borne disease - Air Pollution - Food Security - Mental health 	Mahidol University, Thailand (TBC)	
	16.00 – 16.30	Q&A		
Day 3				
	08.30 - 09.00 (30 minutes)	Recap of Day 2	Participant assigned through a random selection process	
Module 5 Management and Health Risk Communication from climate change				
Health Risk Management and Communication from climate change	09.00 - 11.00 (2 hour)	<ul style="list-style-type: none"> - Principle of Health Risk Communication: Management, Adaptation, Early Warning System, and shared responsibility - Case study “The Development of Health Risk Communication and 	Department of Climate Change and Environment, Thailand Department of Health	

Date/ Period /Topic	Time (Thailand time)	Content	Speaker	Note
		Early Warning System in Pa Sang, Lamphun Province.”		
Module 6 Health and Climate change Adaptation and Low-Carbon Healthcare Facilities				
Health and Climate change Adaptation and Low -Carbon Healthcare Facilities	11.00 - 12.00 (1 hour)	- Health co-benefits of climate change principles - Showcase the Best Practice of Low Carbon Healthcare Facilities	Thammasat University, Thailand (TBC)	
	12.00 - 14.00 (2 hours)	- Lunch Break - Travel to study trip		
	14.00 - 17.00 (3 hours)	- Study Trip at a hospital in Bangkok	Expert from hospital in Bangkok (TBC)	
	17.00 - 18.00 (1 hour)	- Travel back to the hotel		
Day 4				
	08.30 - 09.00 (30 minutes)	Recap of Day 3	Participant assigned through a random selection process	
Module 7 Health and Climate change Adaptation Development				
Health and Climate change Adaptation Development	09.00 - 12.00 (3 hours)	- Definition of Adaptation, Climate resilient - Development Health Adaptation Plan - Case study Development Health Adaptation Plan in area by using the Theory of Change (ToC)	Environmental Science Research Center, Chiang Mai University, Thailand (TBC)	
	12.00 - 13.00 (1 hour)	- Lunch Break		
Module 8 Cooperation for Health and Climate Change				
Cooperation for Health and Climate Change	13.00 - 14.00 (1 hour)	- Importance and form of Cooperation of Partners - Concept of driving people's partners - Country Experience with Climate Change and Health Policy Implementation and Management	Department of Health, Ministry of Public Health, Thailand	
Workshop: Collaborative Development of Dissemination Plans	14.00 - 15.00 (1 hour)	The dissemination plan will be collaboratively developed by participants from ASEAN Member State (Group presentations)	ASEAN Member States (AMS) (TBC) Moderator:	

Date/ Period /Topic	Time (Thailand time)	Content	Speaker	Note
			Department of Health, Ministry of Public Health, Thailand	
Country Experience with Climate change and Health Policy Implementation and Management	15.00 - 16.00 (1 hour)	<ul style="list-style-type: none"> - Policy on Climate Change and Health - Health Adaptation Implementation and Management - Lessons Learned and the Way Forward 	ASEAN Member States (AMS) (TBC)	
	16.00 - 16.15 (15 minutes)	- Q&A		
Closing Session	16.15 - 16.30 (15 minutes)	<ul style="list-style-type: none"> - Closing Remarks / Next Steps / Ways Forward - Post test 	Director General, Department of Health, Ministry of Public Health, Thailand	