

ASEAN HEALTH COOPERATION CONCEPT NOTE

1. Project Title

The Training Course on Climate Change and Health in ASEAN Member States

2. Background information

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.

The Association of Southeast Asian Nations (ASEAN) is one of the region's most susceptible to climate change, experiencing adverse impacts on human health and healthcare systems. The region needs knowledge and tools to effectively manage and mitigate the health risks associated with changing climatic conditions. Additionally, the training needs assessment report provided by Malaysia indicates that ASEAN Member States (AMS) require enhanced capacity in useful tools such as health impact assessment and addressing the challenging issue of climate change and health. To conform with the training need, the Work Programme 2021–2025 of ASEAN Health Cluster 2 on responding to all hazards and emerging threats provides for strengthening the capacity of health and relevant sectors on health impact assessment and climate change adaptation in health. Therefore, an inclusive understanding of the principles of climate change and health will be beneficial in preparing for risk management and protecting the health of the ASEAN population.

The training course on climate change and health is designed to strengthen human resources in public health in ASEAN member states. The training course will provide a conceptual and practical approach to understanding the relationship between climate change and health, as well as how to take action to reduce health risks.

3. Objectives

1. To build the capacity of public health practitioners with climate change and health knowledge and skills in the management of health risks.
2. To provide an opportunity for sharing knowledge and discussion regarding the practice of climate change and health
3. To strengthen climate change and health network among ASEAN member states.

4. Expected outputs

1. This training course will enhance the capacity of public health practitioners to comprehend the health impacts of climate change, utilize tools for assessing health risks and impacts resulting from climate change, and formulate policies for addressing health risks associated with climate change.
2. Report of the training course is developed and disseminated to all AMS

5. Proponents

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Co-lead country: Ministry of Health, Malaysia

6. Proposed Budget & Funding Source

Thailand International Cooperation Agency (TICA)

7. Format and arrangement

The training course will last two and a half days. To achieve the objectives, the training will be divided into several sessions that include case studies for discussion and sharing knowledge and experiences. A certificate of attendance will be presented to participants.

8. Criteria for certificates of attendance

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

9. Target participants

The training course will consist of 30 participants from the ASEAN Member States (AMS) [i.e. 2 participants only per AMS]. They are as follows, among others: Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, the Philippines, Singapore, Thailand, and Viet Nam. Representatives from Timor-Leste are also invited (2 participants only). Applicants must fulfill the following requirements:

- Be nominated by their respective governments, public health practitioners from the Ministry of Health.
- Language: proficiency in English (speaking, listening, reading, and writing)

10. Proposed commencement and completion date

Activity	Timeline
I. Concept note and agenda circulated to AHC2 via email for feedback/approval	December 2023 – February 2024
II. Concept note and agenda endorsed by AHC2 via Ad Referendum	March 2024
III. Revise and develop training module	July – September 2024
IV. Send invitation letter to all AMS	October 2024
V. Conduct of the training course	March 2025
VI. Report of the training course sent to all AMS for AHC2 endorsement via Ad Referendum	February – May 2025

11. Date and venue

The training course will be held on 17 - 19 March 2025, 08:30 to 16:30 (Jakarta time, UTC+7) in Bangkok, Thailand. The exact venue will be determined later.

12. Registration details

1. For registration, please visit the following link:
<https://asean-eh.anamai.moph.go.th> and select the events.
2. After you register for a course, you will receive an email to confirm your registration, including details of the course and hotel arrangements for that course.
3. Before the course, you will receive an email reminder five days prior to the scheduled training date.

13. Tentative program/agenda

Time	Program/Agenda	Presenter
Day 1		
08.30 – 09.00	Registration	ASEAN Member States (AMS)
09.00 – 09.45	Inauguration	- Director General, Department of Health, Ministry of Public Health, Thailand - ASEAN Secretariat
09.45 – 10.45	Module 1 Overview of climate change and health	World Health Organization (WHO) (TBC)
10.45 – 11.00	Tea break	
11.00 – 12.00	Module 2 Policy of climate change and health adaptation plans and situation	Department of Climate Change and Environment, Thailand (TBC)
12.00 – 13.00	Lunch Break	
13.00 – 13.45	Module 3 Impact chain and Health risk assessment and health impact from climate change	Department of Health, Ministry of Public Health, Thailand
13.45 – 14.45	Workshop / Group Discussion Impact chain from climate change	ASEAN Member States (AMS) <u>Moderator:</u> Department of Health, Ministry of Public Health, Thailand
14.45 – 15.00	Tea break	
15.00 – 16.15	Module 4 Health impact from climate change - Vector-Borne disease - Food and water borne disease	Department of Health, Ministry of Public Health, Thailand
16.15 – 16.30	Q&A	

Time	Program/Agenda	Presenter
Day 2		
08.45 – 09.00	Recap for day 1	Participant assigned through a random allocation process
09.00 – 12.00	Module 4 Health impact from climate change - Drought and flooding - Heat - Air Pollution - Food Security	Department of Health, Ministry of Public Health, Thailand
12.00 – 13.00	Lunch break	
13.00 – 14.00	Module 5 Management and health risk communication from climate change	Mahidol University, Thailand (TBC)
14.00 – 15.15	Module 6 Health co-benefits of climate change adaptation and low carbon healthcare facilities	Thammasat University, Thailand (TBC)
15.15 – 15.30	Tea break	
15.30 – 16.15	Module 7 Development of climate change and health adaptation plans	Environmental Science Research Center, Chiang Mai University, Thailand (TBC)
16.15 – 16.30	Q&A	
Day 3		
08.45 – 09.00	Recap for day 2	Participant assigned through a random allocation process
09.00 – 10.00	Module 8 Cooperation for health and climate change	Department of Health, Ministry of Public Health, Thailand
10.00 – 10.15	Tea break	
10.15 – 11.15	Country Experience with Climate change and Health policy and management	ASEAN Member States (AMS)
11.15 – 11.30	Q&A	
11.30 – 12.30	Closing Remarks	Director General, Department of Health, Ministry of Public Health, Thailand

14. Describing and learning outcomes

Topic	Contents	Learning Outcomes
Module 1 Overview of Climate change and health	1) Definition of climate and climate change and health impact 2) Source trending projection 3) Role of public health in national and global level to prepare and protect health risk from climate change 4) Health Adaptation Plan in United Nations and Thailand	<ul style="list-style-type: none"> • To understand the definitions of climate, climate change, and their impact on health. • To analyze trending projections from various sources. • To recognize the role of public health at both the national and global levels in preparing for and mitigating health risks arising from climate change. • To understand Health Adaptation Plan development and implementation.
Module 2 Policy of climate change and health adaptation plans and situation	1) Policy or plan relate climate change and health 2) Role of public health to cope with the health impact of climate change 3) Health National Adaptation Plan	<ul style="list-style-type: none"> • To understand policies or plans that are relevant to the intersection of climate change and health. • To recognize the role of public health in addressing and mitigating health impacts. • To understand the concept of Health National Adaptation Plans and their significance in climate change resilience and health protection.
Module 3 Impact chain and Health risk assessment and health impact from climate change	1) Principle of risk from climate change 2) Impact chain 3) Health risk assessment from climate change; Burden of disease relate climate change, Economic assessment from health impact and climate change 4) Workshop/group discussion; Impact chain from climate change (Analyze impact chain from disease relate climate change)	<ul style="list-style-type: none"> • To understand the principles of assessing risks associated with climate change and the concept of the impact chain. • To be acquire the ability to assess health risks, burden of disease, and economic assessments of health impacts and climate change. • To discuss the focus on analyzing impact chains, particularly in the context of disease-related impacts.
Module 4 Health impact from climate change	1) Vector-Borne disease 2) Food and water borne disease 3) drought and flooding 4) Heat illness 5) Air Pollution 6) Food Security	<ul style="list-style-type: none"> • To understand the various ways in which climate change can impact public health. • To analyze specific health risks and challenges arising from changing climatic conditions.

Topic	Contents	Learning Outcomes
Module 5 Management and health risk communication from climate change	1) Principle of health risk communication: Management, adaptation, warning system, responsibility 2) Case study “The Development heat health warning system in Pa Sang, Lamphun province.”	<ul style="list-style-type: none"> • To understand the fundamental principles of health risk communication, management, adaptation, warning systems, and shared responsibility. • To analyze a case study to comprehend the practical application of health risk communication principles.
Module 6 Health co-benefits of climate change adaptation and low carbon healthcare facilities	1) Health co-benefits of climate change principle 2) Showcase the best practice of low carbon healthcare facilities	<ul style="list-style-type: none"> • To understand the principle of health co-benefits of climate change and how to applicate in healthcare facilities • To share and exchange experiences about low carbon healthcare facilities among ASEAN Member States
Module 7 Development of climate change and health adaptation plans	1) Definition of adaptation, resilience 2) Development health adaptation plan 3) Case study development health adaptation plan in area by theory of change	<ul style="list-style-type: none"> • To understand the definitions of adaptation and resilience in the context of climate change. • To be acquire the ability to develop a health adaptation plan that addresses climate change challenges. • To analyze case studies involving the development of health adaptation plans, and apply theoretical knowledge to practical scenarios, how adaptation plans can enhance community resilience to climate change impacts.
Module 8 Cooperation for health and climate change	1) Importance and form of cooperation partners 2) Concept of driving people's partners 3) Country Experience with Climate change and Health policy and management	<ul style="list-style-type: none"> • Recognize the significance of cooperation with various partners in addressing climate change challenges. • Understand the different forms and mechanisms of cooperation with partners to effectively respond to climate change impacts.
