



1. **Course Title** : Learn and Share for Better IWRM and Actions

2. **Duration** : 5 days (17 – 21 October 2022)

3. **Background**

Water is major natural environment driving economic and social development. Due to the increasing of water demand for country development, difficulties of water allocation issues between stakeholders in a country also among countries are needed suitable decision and management. Moreover, climate change vividly put more stress on water resources in both quantity and quality aspects in every part of the world. Therefore, integrated water resources management (IWRM) is essential to cope with conflict of demand and for maintaining natural ecosystems before the critical time of low water availability happened.

4. **Organization** : Office of the National Water Resources (ONWR), Thailand

5. **Objectives**

The program is designed to learn and share good practices of ACMECS countries, integrated map for water resources management, stakeholder engagement, IWRM strategies of Thailand, including group report for better actions.

6. **Course Contents**

Day 1 : Orientation

Day 2 : IWRM on One-Map

Day 3 : IWRM and Stakeholder Engagement

Day 4 : IWRM Strategies of Thailand

Day 5 : Group Report – ACMECS Better Actions

7. **Participants' Criteria** – 30 Applicants (6 participants per country) must fulfill requirements as follows:

7.1 Be nominated by their respective governments

7.2 Education : at least bachelor degree with 2 years of water management related experiences

7.3 Language : proficiency in speaking, reading and writing English

8. **Attendance and Evaluation** – Participants will receive a certificate based on:

8.1 Real-time class attendance not less than 80%

8.2 Participate in country report, group report, and online evaluation form

9. **Venue** : Online class via Zoom Meeting Application

10. **Expected Results**

10.1 Integrated knowledges and experiences of IWRM among participants

10.2 Participant network for better IWRM and harmonize actions for ACMECS Countries

11. **Contact Person** – Dr Worawan Nakbanpot (ONWR officer), Email: airnopollution@gmail.com

12. **Expenditure** : Thailand International Cooperation Agency (TICA)

Website: <https://tica-thaigov.mfa.go.th/en/index>

Email: aitc@mfa.go.th



Schedule for the Training Programme : Learn and Share for Better IWRM and Actions
Organize by - Office of the National Water Resources (ONWR), Thailand

Date and Thailand time	Topics and Activities	Speakers
Day 1	Orientation	
09:30-09:45	Opening Remarks	ACMECS Representatives and TICA
09:45-10:00	Introduction	ONWR
10:00-10:30	Coffee Break	
10:30-12:00	IWRM Country Reports including Q&A 10:30-10:45 Cambodia 10:45-11:00 Laos PDR 11:00-11:15 Myanma 11:15-11:30 Thailand 11:30-11:45 Vietnam 11:45-12:00 Integrated issues by ONWR	Participants and ONWR
12:00-13:30	Lunch Break	
13:30-15:00	Country Sharing : Culture and attractive places related to water 13:30-13:45 Cambodia 13:45-14:00 Laos PDR 14:00-14:15 Myanma 14:15-14:30 Thailand 14:30-14:45 Vietnam 14:45-15:00 Integrated issues by ONWR	Participants and ONWR
15:00-16:00	Group Information and Discussion (1) SWOT Groups (2) DPSIR Groups	Participants ONWR
Day 2	IWRM on One-Map	
09:00-10:00	Weather and Climate Map	HII
10:00-10:30	Coffee Break	
10:30-11:30	Surface Water Map	HII
11:30-12:30	Ground Water Map	HII
12:30-13:30	Lunch Break	
13:30-14:30	Water Quality Map	HII
14:30-15:30	Hydro-Informatics Map	HII
15:30-16:30	Group Discussion and Activities	Participants and ONWR

Date and Thailand time	Topics and Activities	Speakers
Day 3	IWRM and Stakeholder Engagement	
09:00-10:00	Defining and Conceptualizing Participation	ADPC
10:00-10:30	Coffee Break	
10:30-11:30	Multi-Stakeholder Mapping	ADPC
11:30-12:30	Stakeholder Data Analysis and Evaluation for IWRM	ADPC
12:30-13:30	Lunch Break	
13:30-14:30	Participatory Conflict Management	ADPC
14:30-15:30	IWRM Case Studies of Stakeholder Engagement	ADPC
15:30-16:30	Group Discussion and Activities	Participants and ONWR
Day 4	IWRM Strategies of Thailand	
09:00-10:00	Master Plan on Water Resource Management	ONWR
10:00-10:30	Coffee Break	
10:30-11:30	Thai Water Act B.E. 2561	ONWR
11:30-12:30	Thai Water Plan System and Application	ONWR
12:30-13:30	Lunch Break	
13:30-14:30	Water Diagram and Land Use	ONWR
14:30-15:30	Water Management Calendar	ONWR
15:30-16:30	Group Discussion and Activities	Participants and ONWR
Day 5	Group Report – ACMECS Better Actions	
09:00-09:15	Group 1 : Strength of ACMECS on IWRM	Participants
09:15-09:30	Group 2 : Weakness of ACMECS on IWRM	Participants
09:30-09:45	Group 3 : Opportunities of ACMECS on IWRM	Participants
09:45-10:00	Group 4 : Threat of ACMECS on IWRM	Participants
10:00-10:30	Coffee Break	
10:30-11:00	Group 1 : Driver and Pressure of ACMECS on IWRM	Participants
11:00-11:30	Group 2 : State and Impact of ACMECS on IWRM	Participants
11:30-12:00	Group 3 : Response and Better Actions of ACMECS	Participants
12:00-12:30	Award Certificate and Closing Remarks	ACMECS TICA and ONWR

Remarks: TICA = Thailand International Cooperation Agency
 ONWR = Office of the National Water Resources
 HII = Hydro-Informatics Institute (Public Organization)
 ADPC = Asian Disaster Preparedness Center