Key words

S = Synergy   **A = Accurate**   **T = Technology**
M = Management   **R = Real time**

DATE & VENUE

Workshop session	19 – 23 March 2018 (5 days)

Day 1 (19 Mar 2018):   Attend "ASEAN NEXT 2018: Rising STI Networking for Innovative ASEAN" Opening Ceremony
Hosted by Ministry of Science and Technology (MOST)

Day 2 (20 Mar 2018):   Attend Forum on STI and SDGs
Hosted by MOST *(MOST agencies joined including HAII to take part to the Forum)*

Day 3 (21 Mar 2018):   Workshop on "SMART Informatics for Sustainability"
Hosted by Hydro and Agro Informatics Institute (HAII)

Day 4 (22 Mar 2018):   Visit Good Practices site on Community Water Resource Management: Huai Pla Lod Community, Tak Province

Day 5 (23 Mar 2018):   Visit Good Practices site on Community Water Resource Management: Huai Pla Lod Community, Tak Province

VENUE
19 – 21 Mar 2018:   Royal Orchid Sheraton
22 – 23 Mar 2018:   Huai Pla Lod Community, Tak Province (TBC)

ORGANIZED BY

Hydro and Agro Informatics Institute (HAII), Thailand

UNDER PATRONAGE OF

Ministry of Science and Technology (MOST), Thailand

CONTACT PERSON

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Workshop on SMART Informatics for Sustainability

RATIONAL BACKGROUND

Science and Technology (S&T) implementation have been globally considered as a significant tools and important mechanism for disaster risk management towards sustainability. The application of S&T such as "Hydroinformatics" for water-related disasters or extreme events plays essential roles to bring S&T into action.

On 8 March 2017, Ministry of Science and Technology (MOST) of Thailand by Hydro and Agro Informatics Institute (HAII) hosted the Workshop on Establishing ASEAN Hydroinformatics and Climate Data Center (AHC) to support Water Resource Management System in ASEAN. Participants of the workshop agreed in the concept of 1) S&T implementation 2) strategic data sharing related to water data, tools and ICT infrastructures 3) capacity building in transferring S&T for data management and sharing water-related experiences 4) good practices by creating sustainable community water resource management and 5) collaboration network to regional and international level.

Later in May 2017, the ASEAN Hydroinformatics and Climate Data Center (AHC) Project, proposed by HAII, has been approved as a new initiative project under Sub-Committee on Microelectronics Information Technology (SCMIT) at the 46th SCMIT meeting and endorsed by the 72nd ASEAN Committee on Science and Technology (COST) Meeting in Brunei Darussalam. The project will be a platform to support data connectivity from ASEAN's water, weather and disaster related agencies. ASEAN Member States (AMS) can also share knowledge and experiences related to water, weather and disaster and also match technology that could support AHC in data sharing toward its future operation and implementation.

This year, HAII will organize the workshop on "SMART Informatics for Sustainability" as a part of Thailand's ASEAN NEXT 2018 "Rising STI Networking for Innovative ASEAN" during 19 – 23 March 2018. This workshop will be an opportunity to exchange information between representatives from water, weather and disaster agencies to strengthen partnership to support AHC. The workshop expected to create data sharing, and technology matching for implementing AHC project.

About AHC

ASEAN Hydroinformatics and Climate Data Center (AHC) is a data-driven initiation to enrich the significant of Information Technology (IT) tools to integrate data from various sources within ASEAN region. The centralized information will enhance the accuracy of existing forecasting system which will benefit to all related partners. The project will create monitoring and modelling system to increase situation awareness for proper decision support. The information derived from this center will be a data visualization platform in a visual context to provide better preparedness and solution to solve the unprecedented.

AHC also focus on the implementation and dissemination of the outcome by generating actionable learnings and promoting practical use of IT at community level to raise community action on disaster awareness and preparedness. This will also contributes to the inspiring UN's Sustainable Development Goals and ensure a safer forthcoming for ASEAN. For more information, please visit AHC official website at www.aseanwater.net

Call for Demonstration and presentation

The "Workshop on SMART Informatics for Sustainability" on 21st March 2018 has a demonstration and presentation session named "Session 3: Country Showcase & Demonstration on "SMART Informatics in operation towards sustainability".

This session aims for scientists, researchers, policy makers, practitioners and people in related field to share their valuable knowledge and experiences focusing on: 1) Flood and drought, 2) Disaster and 3) Water operation.

Demonstrations and presentation must illustrate the operation and application of technology for water, weather and disaster areas. Power Point presentation or video presentation is acceptable.

Submission of Demonstration Abstract:

Demonstration abstract deadline: Friday 16th February 2018. Please submit your abstract to *iaf@haii.or.th* Please identify your intention in the registration form and provide abstract of the demonstration with following information:

- Technology and equipment
- Implementation and operation in your country
- Photograph
- Equipment required at the place of the demo, etc.

Note* *Abstract for demonstration can be download from www.aseanwater.net/ahc-next2018*

EVENT PURPOSE

1. Strengthen the connectivity among water, weather and disaster related agencies in ASEAN region
2. Illustrate the understanding of informatics implementation, and application toward sustainability and technology matching for informatics synergy

EXPECTED OUTCOME

1. Contribution in technology matching, knowledge sharing and capacity building among AMS for AHC
2. Connectivity which create new AHC member

CONTRIBUTION TO ASEAN

Benefits over 620 millions of ASEAN People in 3 aspects:
1. Economic: cost – effective method to reduce losses in water and disaster recovery
2. Social: community – based organization and learning network
3. Environmental: solve the future water scarcity and ensure sustainability

TARGET GROUP & NUMBER OF PARTICIPANTS

Target Group
- ASEAN COST, ACDM and AWGWRM members
- Related agencies within ASEAN Member States (AMS)
- Related International Organization
- Related academia in ASEAN
- Related Research institutions

Number of Participants
- Approximately 60 - 70 participants