



## Summary Report

### 5<sup>th</sup> ASEAN Hydroinformatics Data Centre (AHC) Meeting

13:30 – 16:30 hrs UTC+7, 20 December 2021, Webex

#### INTRODUCTION

1. The ASEAN Hydroinformatics Data Centre (AHC), proposed by Hydro - Informatics Institute (HII), Thailand, was approved as a centre under the ASEAN Committee on Science, Technology, and Innovation (ASEAN COSTI). AHC reports to the Sub-Committee on Microelectronics and Information Technology (SCMIT).
2. The AHC shall be a platform to support data connectivity among ASEAN's water, weather, and disaster related agencies. ASEAN member states can also share their knowledge and technology through AHC to broaden future implementation and operation.
3. The Fifth Meeting of the ASEAN Hydroinformatics Data Centre (AHC) was held on 20 December 2021 virtually through Webex hosted by Hydro – Informatics Institute (HII), Thailand. The Meeting was chaired by Dr. Sutat Weesakul, Chairman of ASEAN Hydroinformatics Data Centre (AHC) from Thailand.
4. The Meeting was attended by delegates from 8 countries, including the Kingdom of Cambodia, the Republic of Indonesia, Malaysia, the Republic of the Union of Myanmar, the Republic of the Philippines, the Republic of Singapore, the Kingdom of Thailand and the Socialist Republic of Vietnam. Representatives from HII were also in attendance. The list of delegates appears as ANNEX 1.

#### AGENDA ITEM 1: OPENING AND ADOPTION OF THE AGENDA

5. Dr. Sutat Weesakul, Chairman of AHC, warmly welcomed the participants to the Fifth AHC Official Meeting. He expressed his confidence that AHC will be an important ASEAN platform to motivate for sharing, accelerating, and strengthening the regional collaboration. He asked the attendees to briefly introduce themselves.
6. The Meeting discussed and adopted the agenda which appears in ANNEX 2.

## **AGENDA ITEM 2: HIGHLIGHTS OF THE 4<sup>th</sup> AHC MEETING**

7. The Meeting noted the highlights of the 4<sup>th</sup> AHC Meeting presented by AHC Chairman, e.g., the AHC Knowledge Sharing. The report of the 4<sup>th</sup> AHC meeting appeared in ANNEX 3.

## **AGENDA ITEM 3: STATUS OF AHC**

### **3.1 Progress**

#### **3.1.1 AHC website**

8. AHC Chairman reported the update on the shared information on the AHC website ([www.aseanwater.net](http://www.aseanwater.net)). The AHC Secretariat had added information regarding the real-time monitoring data and other relevant information in the “Information” page which can be divided into two sub-topics: 1) Weather, and 2) Hydrology. The source of information can also be divided into two sources: inside and outside ASEAN.
9. Information from inside ASEAN is contributed by AHC members. For example, HII from Thailand has provided real-time monitoring information from the “Weather Research and Forecasting and Regional Ocean Model System (WRF-ROMS) Model”, Vietnam Institute of Meteorology, Hydrology and Climate Change (IMHEN) from Vietnam has provided rainfall forecast information from the “Weather Research and Forecasting Model developed by IMHEN (WRF-IMHEN)”, and Singapore has provided information of “Flash Flood Updates by Singapore”.
10. Information from external partners is provided from the collaboration from HII Thailand and Japan Aerospace Exploration Agency (JAXA) in the Weather page. The “Cloud Top Temperature” information using Himawari-8 Product from JAXA can be utilized for the monitoring of weather information over the ASEAN Region.

#### **3.1.2 “Hydroinformatics for Disaster Management in ASEAN” by AHC and ASEAN CIO Association (ACIOA)**

11. AHC Chairman presented the overview of the online activity “Hydroinformatics for Disaster Management in ASEAN”, which is a collaboration project between ASEAN Hydroinformatics Data Centre (AHC) and ASEAN CIO Association (ACIOA).
12. The “Hydroinformatics for Disaster Management in ASEAN” is the pilot collaboration to exchange past experiences among the ASEAN countries on how they prepare-respond-act on approaching disasters in the past, and the roles of hydroinformatics in the response to these past events. With a good collaboration from ACIOA, this initiative focuses on integrating and accelerating the roles of Information and Communications Technology (ICT) and Hydroinformatics for disaster risk reduction.

This could be the starting point to enhance ASEAN-wide collaboration and uplift the roles and usage of hydroinformatics to a higher level.

13. The activity was mainly participated by AHC, ACIOA, and other relevant agencies from 8 ASEAN countries, i.e. Cambodia, Indonesia, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Vietnam. It was organized in 3 workshops and follow-up meetings during August – November 2021, as well as monitoring and reporting of updates to the activities afterward till the end of December 2021.
14. From this initiative, members agreed to share the co-monitoring and warning activities via 3 communications channels including: 1) AHC website, 2) WhatsApp Group, and 3) Facebook page “ASEAN Water Hub” that is contributed by AHC Myanmar. The report of the “Hydroinformatics for Disaster Management in ASEAN” initiative is shown in ANNEX 4.

### **3.2 Update progress of each member on internal discussion**

15. AHC members from Indonesia, Myanmar, and Thailand updated their respective progress for the year 2021 as shown in ANNEX 5.

## **AGENDA ITEM 4: AHC ROADMAP 2020 – 2030**

### **4.1 Review of AHC Roadmap 2020 – 2030**

16. The meeting reviewed the AHC Roadmap that was divided into three phases in the period of 2020 - 2030. Since Phase 1: Data (2020 – 2021) will be ending by 2021, AHC Chairman reminded all the countries to officially nominate their National Chief Information Officer (CIO) Focal Point from their Lead Member via e-mail to the AHC Secretariat.
17. The Roadmap Phase 2: Technology (2022 – 2025) will be starting with the “Knowledge Sharing” activity from next year (Jan 2022).

### **4.2 AHC Knowledge Sharing**

18. AHC Chairman proposed the new activity plan for next year (2022) with the theme “AHC Knowledge Sharing”. Responding to three main frameworks of AHC, Knowledge Sharing, Technology Matching, and Capacity Building, this activity aimed to share the existing knowledge of AHC members to others through online sharing session. The topics had been identified based on the willingness to share and the need to learn of AHC members according to five AHC Thematic Areas (TA). All activities will be designed in virtual format and set as a 3-hour session, every 3 months, starting from 2022 onwards.
19. The AHC Secretariat created the preliminary survey via Mentimeter tools to prioritize the topics to learn and the readiness to share. From the survey, members agreed to

organize the knowledge sharing activity on the following sequence: TA2, TA4, TA5, TA3, and TA1. More detailed information will be discussed and circulated to all members later.

20. AHC members discussed their readiness to share in each knowledge sharing workshop. Five countries, i.e., Indonesia, Myanmar, Singapore, Thailand, and Vietnam, confirmed for their presentation and participation. Myanmar shared their willingness to be a co-host in the 3<sup>rd</sup> workshop (TA5) since they will also participate in the presentation of this topic. Representative from Singapore also recommended to invite the experts in the relevant topics of each country to participate in this workshop.
21. The first workshop is planned to be held in March 2022 with TA2: Big Data and Data Analytics and the sub-topics will be confirmed by the speakers later. The information of AHC Knowledge Sharing plan is attached in ANNEX 6.

## **AGENDA ITEM 5: AHC CHAIRMANSHIP**

### **5.1 Summary of the work from AHC Chairman**

22. Dr. Sutat Weesakul, AHC Chairman, summarized the overview of AHC's establishment from 2015 until an official endorsement in 2017. Meanwhile, many workplans and activities have been accomplished with good support and collaboration from ASEAN members, which is the key success factor for driving this regional initiative.

### **5.2 The new Chairmanship**

23. Dr. Sutat informed the members on the term of new Chairmanship which will start from 1 January 2022 – 31 December 2023. The new AHC Chairman shall be Prof. Law Wing Keung, Adrian from Nanyang Technological University (NTU), Singapore, while Associate Professor Doctor Huynh Thi Lan Huong from Viet Nam Institute of Meteorology, Hydrology and Climate Change (IMHEN), Ministry of Natural Resources and Environment (MONRE), Vietnam, shall serve as the Vice-chair. The new Chair also briefly introduced himself and expressed his warm greeting to the AHC members.

## **AGENDA ITEM 6: OTHER MATTERS**

24. None

## **AGENDA ITEM 7: DATE AND VENUE OF THE NEXT AHC MEETING**

25. The Meeting agreed to the proposed organization of the 6<sup>th</sup> AHC Meeting in 2022, and the date will be confirmed later.

**AGENDA ITEM 8: ADOPTION OF THE REPORT OF THE 5<sup>th</sup> AHC MEETING AND CLOSING**

26. The Meeting agreed that the report would be adopted ad referendum. The AHC Secretariat will thereafter forward the endorsed report to ASEAN Secretariat and to Sub-Committee on Microelectronics and Information Technology (SCMIT).

27. AHC Chairman expressed his appreciation to all AHC members for their support and valuable assistance.

28. The Meeting was held in the traditional spirit of ASEAN cordiality and solidarity.

■ ■ ■

Written by: AHC Secretariat team, Thailand

■ ■ ■

**List of ANNEXES**

ANNEX 1: List of Delegates

ANNEX 2: Agenda of the 5<sup>th</sup> ASEAN Hydroinformatics Data Centre Meeting

ANNEX 3: Report of the 4<sup>th</sup> ASEAN Hydroinformatics Data Centre Meeting

ANNEX 4: Report of the “Hydroinformatics for Disaster Management in ASEAN”

ANNEX 5: Update from Indonesia, Myanmar, and Thailand

ANNEX 6: AHC Knowledge Sharing plan