

NATIONAL REPORT ON IHP RELATED ACTIVITIES

MYANMAR

1. ACTIVITIES UNDERTAKEN IN THE PERIOD November 2016 – October 2017

1.1 Meeting of the IHP National Committee

1.1.1 Decision regarding the composition of the IHP National Committee

The Myanmar National Committee for IHP(MNC-IHP) has been organized on 24 March 2003 comprising a Chairman, a Vice Chairman, a Secretary and (17) members from 8 Ministries and 2 City Development Committees.

Under MNC-IHP, the (5) Working Committees (WC) were organized according to the (5) Themes of IHP-VI. Each working committees consists of (10) members from the members of departments and committees. Activities related to the themes of IHP-VII are implemented by the members of the working committees.

1.1.2 Status of IHP- VIII Activities

- Monitoring Water Quality of Rivers in Myanmar
- Monitoring the changes of Water resources in Myanmar
- Monitoring the low flow characteristics
- Assessment of the climate change impact on the flood events
- Developing the flood hazard map in order to reduce loss of lives and properties due to flood disaster
- Implementing the hydrological disaster risk management activities by using GIS and Remote Sensing Technologies

1.2 Activities at National Level in the framework of the IHP

1.2.1 National/local scientific and technical meetings

- Workshop for Development and Implementation of User-Relevant Flood Forecast Generation and Application System for Myanmar organized by DMH, and RIMES was held on 2017 at NayPyiTaw.
- Training on Application of Remote Sensing and Geographic Information Systems for Mapping and Monitoring of Glaciers organized by DMH and International Center for Integrated Mountain Development (ICIMOD)

1.2.2 Participation in IHP steering committees/working groups

Participants from DMH attended the UNESCO-IHP 13th, 14th, 15th, 17th, 18th, 19th, 20th, 21st, 22nd and 24th Regional Steering Committee Meetings for Southeast Asia and Pacific during 2005 to 2016.

1.2.3 Research / applied projects supported or sponsored

1.2.4 Collaboration with other national and international organizations and / or programs

Myanmar is the member country of EANET (Acid Deposition Monitoring Network in East Asia) since 2005. So Myanmar collaborates with EANET's activities.

Myanmar is collaborating with ADPC and RIMES (Regional Integrated Multi-Hazard Warning System for Africa and Asia) in Hydrometeorology, Seismology and Climate Change sectors.

Asia Center for Air Pollution Research (ACAP) and DMH cooperate on Inland Aquatic Monitoring work and start Site selection in Myanmar in 2017.

Data Compilation workshop was held at Nay Pyi Taw on 6 – 10, November 2017 organized by Norwegian Water Resources and Energy Directorate (NVE), Department of Hydropower Implementation (DHPI) and DMH.

Hydrology Analyses Session 5 is being held at Nay Pyi Taw on 14 – 24, November 2017 organized by Norwegian Water Resources and Energy Directorate (NVE), Department of Hydropower Implementation (DHPI) and DMH on 6th – 10th, November, 2017.

DMH is participating in Ayeyarwady Integrated River Basin Management Project organized by World Bank.

1.2.5 Other Initiatives

- 100 years Return Period Flood Hazard Maps for Yangon, Mandalay and Mawlamying Towns Developing works are completed with ADB Project in 2017.
- 13 Radar Sensors are installed for Flood forecasting along Ayeyarwady, Chindwin and Sittaung Rivers with Indian Government Financial Support and RIMES's Technical Support in 2017.
- Three Meteorological RADAR systems are setup and operate with the support of JICA from 2014 to up to now.

1.3 Educational and Training Courses

1.3.1 Contribution to IHP courses

- Training on Meteorological Grade I was being held at Mandalay in November, 2017.
- Training on Meteorological Grade II will be held at NayPyiTaw in December, 2017.

1.3.2 Organization of specific courses

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1.3.3 Participation in IHP courses

- In our Department, the IHP courses are needed for capacity building.

1.4 Publication

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1.5 Participation in International Scientific Meeting

1.5.1 Meeting hosted by the country

- Monsoon Forum was held in May 2017 at Nay Pyi Taw, Myanmar. This meeting was organized by RIMES and DMH. Regional level Monsoon Forums were held in Ayeyarwady, Yangon Region, Mandalay Region, Shan State, Mon State and Kayin State.
- Union Level Monsoon Forum was held at Nay Pyi Taw organized by DMH and RIMES in October, 2017.

1.5.2 Participation in meetings abroad

The Secretary of MNC-IHP is a Permanent Representative of WMO and so he has contact and coordinate with WMO's activities.

- Seventh Regional Conference on Management of Meteorological and Hydrological Services (RECO-7) and Sixteenth Session of Regional Association II (RA II-16), UAE, 10th – 16th, February, 2017.
- Forty-Sixth Session of the Subsidiary Body for Scientific and Technology Advice (SBSTA 46), Forty-Sixth Session of the Subsidiary Body Implementation (SBI 46) and Third part of the first Session of the Ad Hoc Working Group on the Paris Agreement (APA1.3), Germany, 8th – 18th, May, 2017.
- 3rd RIMES MINISTERIAL Conference, Papua New Guinea, 22nd – 25th, August, 2017.
- Twenty-third Session of UNFCCC Conference of the Parties- COP 23, Germany. 29th – 17th, November, 2017.

1.6 Other activities at regional level

1.6.1 Institutional relation / cooperation

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1.6.2 Completed and ongoing scientific projects

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2. FUTURE ACTIVITIES

2.1 Activities planned until / December 2017 -

2.2 Activities foreseen for 2017-2018

- The MNC-IHP will try to implement the water related activities in line with the themes of IHP
- IHP national committee will continue to encourage scientific and technical symposia and workshops
- The members of MNC-IHP will attend the 25th Regional Steering Committee for Southeast Asia and the Pacific.
- The members of MNC-IHP will participate in the international and national activities of IHP.
- Hydrological Division will upgrade the flood early warning system and flood monitoring system.
- Remote Sensing and GIS Division will produce the flood risk maps and flood assessment maps in order to reduce the loss of life and properties.