

NATIONAL REPORT ON IHP RELATED ACTIVITIES

MYANMAR

1. ACTIVITIES UNDERTAKEN IN THE PERIOD November 2017 – October 2018

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

- Developing the Operational Flood Forecasting Model (HEC-HMS) for Ayeyarwady River Basin and Sittoung River Basin in Myanmar
- Upgrading the Telemetry Water Level Monitoring System (TWLMS)
- Enhancing the capacity of the river flow monitoring system in Myanmar with River Surveyor M9
- Upgrading the Automatic Weather Observing System at Hydro-met Stations in Myanmar
- Monitoring the river flow at specific hydrological stations 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

- Training on HEC RAS Modeling was conducted in Nay Pyi Taw which organized by DMH and Asia Disaster Preparedness Centre (ADPC)
- Training on End User Enhancement to improve the Effectiveness of Sentinel Asia organized by DMH, and ADRC (Asian Disaster Reduction Center) was held on 31-1-2018 to 2-2- 2018 at Nay Pyi Taw.
- Development and Implementation of Myanmar Flash Flood Guidance System (FFGS) organized by DMH, WMO, USAID, HRC and NOAA was held on 26. 2. 2018 to 28. 2. 2018 at Nay Pyi Taw.
- Hazard Modeling Training organized by DMH, ADB and Climate Hazard Project Team was held 30. 8.2018 to 6. 9. 2018 at Nay Pyi Taw.
- DMRS User Training was held at Royal ACE Hotel, Nay Pyi Taw in 29-30 October 2018 , which organized by DMH and Pacific Disaster Center (PDC)

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, 24th and 25th Regional Steering Committee Meetings for Asia and Pacific during 2005 to 2017

1.2.2

1.2.3 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 Automatic Monitor Installation in Myanmar 26th-29th, March, 2018.

Hydrological Analysis workshop was held at Nay Pyi Taw on 8 – 10, October 2018 organized by Norwegian Water Resources and Energy Directorate(NVE), Department of Hydropower Implementation (DHPI) and DMH.

Open Cannel Hydraulics Workshop at Nay Pyi Taw organized by Norwegian Water Resources and Energy Directorate (NVE), Department of Hydropower Implementation (DHPI) and DMH on 15 – 19, October 2018

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

1.2.2 Other Initiatives

- DMH has a plan to install 34 Telemetry Water Level Monitoring Sensors at Hydrological stations along the Myanmar Rivers with AIRBM Project, World Bank Loan.
- 58 Automatic Weather Observing System have a plan to install at Hydro-meteorological stations in Myanmar with AIRBM Project, World Bank Loan.

1.3.1 Contribution to IHP courses

- Training on Hydrological Grade I is going to be held at Mandalay in November, 2018.
- Training on Hydrological Grade II and III will be held at DMH Office, Yangon during December 2018 to March, 2019.

1.5 Participation in International Scientific Meeting

1.5.1 Meeting hosted by the country

- 20th and 21st National Monsoon Forum was held at Nay Pyi Taw organized by DMH and RIMES in May and October, 2018 respectively.
- Development Partners Workshop was held at Royal ACE Hotel in Nay Pyi Taw which organized by World Bank and DMH in 17-19 October 2018.

1.5.2 Participation in meetings abroad

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

- Twenty-third Session of UNFCCC Conference of the Parties – COP 23, Germany, 29. 10. 2011 to 17. 11. 2017.
- Signing Ceremony of Memorandum of Cooperation of SIGMET Issuance, Japan, 6. 3. 2018 to 7. 3. 2018.
- Decade Memory of the Wenchuan Earthquake with the 4th International Conference on Continental Earthquakes, People Republic of China, 11. 5. 2018 to 15. 5 2018.
- Expert Group Meeting on Space Applications for Sustainable Development (2018-2030) and the 22nd Session of the Intergovernmental Consultative Committee (ICC) on the Regional Space Application Programme for Sustainable Development (RESAP), Thailand, 28. 8. 2018 to 30. 8.2018.
- China-ASEAN Meteorological Forum, People Republic of China, 12. 9. 2018 to 13. 9. 2018.

2. FUTURE ACTIVITIES

2.1 Activities planned until / December 2018 -

2.2 Activities foreseen for 2018-2019

- Hydrological Division try to develop the impact based flood forecasting at some cities in Myanmar.
- The MNC-IHP will try to implement the water related activities in line with the themes of IHP
- Hydrological division try to monitor the river flow at some hydrological station in order to modify the existing rating table at respective station
- IHP national committee will continue to encourage scientific and technical symposia and workshops
- The members of MNC-IHP will participate in the international and national activities of IHP.
- Remote Sensing and GIS Division will produce the flood hazard maps and flood assessment maps in order to reduce the loss of life and properties.

Thanks a Lot