

# **NATIONAL REPORT ON IHP RELATED ACTIVITIES**

**PHILIPPINES**

**26TH REGIONAL STEERING COMMITTEE MEETING  
UNESCO INTERNATIONAL HYDROLOGICAL PROGRAMME  
FOR ASIA AND THE PACIFIC**

**SHANGHAI, CHINA  
4 NOVEMBER 2018**

## Philippine National Committee (Update on Membership)

1. Bureau of Soils and Water Management (BSWM), Department of Agriculture (DA)
2. Bureau of Research and Standards (BRS), Department of Public Works and Highways (DPWH)
3. Environmental Management Bureau (EMB), Department of the Environment and Natural Resources (DENR)
4. Flood Control & Sabo Engineering Center (FCSEC), Department of Public Works and Highways (DPWH)
5. Laguna Lake Development Authority (LLDA)
6. Local Water Utilities Administration (LWUA)
7. LPA & Associates (private sector)
8. Metropolitan Waterworks and Sewerage System (MWSS)
9. Mines and Geoscience Bureau (MGB), Department of the Environment and Natural Resources (DENR)
10. National Economic and Development Authority (NEDA)
11. National Hydraulic Research Center, University of the Philippines (UP-NHRC)
12. National Irrigation Administration (NIA)
13. National Mapping and Resource Information Authority (NAMRIA)
14. National Power Corporation (NPC)
15. National Water Resources Board (NWRB)
16. Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA), Department of Science and Technology (DOST)
17. Philippine Water Partnership (PWP)
18. Mapua Institute of Technology, School of Civil Engineering, Manila
19. University of Santo Tomas (UST), Department of Civil Engineering (UST), Manila
20. University of the Philippines (College of Engineering, Diliman Campus and College of Engineering and Agricultural Technology, Los Banos Campus) Ateneo De Manila University (ADMU) - Manila Observatory, Quezon City
21. Central Luzon State University (CLSU), Muñoz, Nueva Ecija
22. De La Salle University (DLSU), Department of Civil Engineering (DLSU), Manila

# Highlights of Activities of Most Active of Philippine National Committee Members

Last November 13-16, the 25th RSC Meeting of the UNESCO-IHP Asia and Pacific (formerly Southeast Asia-Pacific Region) and together with the Joint UNESCO-JASTIP symposium was held in Seda Hotel, I Quezon City of Metro Manila. Details of this event have been reported by UNESCO Jakarta Office. This is to acknowledge the various persons involved and especially those who headed the following adhoc committees for this event.

- a. Local Organizing Committee (Guillermo Tabios UPD)
- b. Program Sub-committee (Dora Gamboa of MWSI)
- c. Field Trip Sub-committee (Leni Santos-Borja of LLDA)
- d. Finance Sub-committee (Leonor Cleofas and Nathaniel Santos of MWSS)
- e. Secretariat/Logistics Sub-Committee (Noemi Bautista of PWP)
- f. Technical Sub –committee (Roy Soriano of UP-NHRC)

## Philippine Water Partnership (PWP)

### Water and Climate Development Programme (WACDEP)

Conduct of the Consultation re: the Results on the Gap Assessment of Philippine policies and programs on flood management

### 2018 World Water Day in the Philippines

The 2018 World Water Day and Water Week 2018 celebration in the Philippines was held from March 15 to 22, 2018 with the theme: “Nature for Water”. It was a nationwide event supported by different partner agencies, local government units, NGOs and the private sector.

### Launching of the Wetlands Bioblitz Program

On 16 March 2018, the Society for the Conservation of Philippine Wetlands, Inc. (SCPW), in collaboration with the Philippine Water Partnership (PWP) and Laguna Lake Development Authority (LLDA), launched the Wetlands Bioblitz Program at Panguil River Ecotourism Park.

### NWRB, Nangangalaga ng Water Resources ng Bansa, an Educational Campaign

This activity is an Information, Education and Communication (IEC) Campaign organized by the National Water Resources Board (NWRB) and the PWP on March 19, 2018 in Nagcarlan, Laguna for non-registered domestic water-users and resort owners.

### Preparation for the 4th International River Summit to be held on 22-24 November 2018 in Cebu

## **National Water Resources Board**

Assessment and establishment of new streamflow monitoring system in the Upper Agno River and Angat River basin (2018-2019) Phase II: Components of this project include sampling network design based on sampling error variance and capital and maintenance costs, and the establishment of new or revision of location of old stations based on the assessment of sampling network design.

## **National Economic Development Authority**

Drafting the National Water Resources Policy to be issued as an Executive Order by current administration.

Spearheading the creation of a Department of Water Resources as the country's apex body to manage the water resources of the country.

Funded and monitoring of the Philippine Water Supply and Sanitation Master Planning of the country conducted by EDCOP Consulting Firm (January 2018-November 2018).

Funded and monitoring of the National Irrigation Master Planning of the country conducted by UPLB Development Foundation (July 2018-June 2018).

## **Metropolitan Waterworks and Sewerage System (MWSS)**

### Water Supply Projects

- Construction of Kaliwa Low Dam as part of New Centennial Water Supply Project 2015-2035 with Public-Private Partnership (PPP) as new water source for Metro Manila's increasing water demand. Also intended to provide a redundant dam for Metro Manila's domestic water supply.
- Bulacan Bulk Water Supply Project 2015 -2019 PPP. The construction of water distribution system that will provide bulk water supply to the water districts of the Province of Bulacan

## **Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA):**

Continuing Priority Programs of the Flood Forecasting Branch, (ii) Calibration of the following hydrologic models, to be applied operationally to the various flood forecasting points of the Pampanga, Agno, Bicol and Cagayan River Basins, (iii) Establishment/Enhancement of Community-based Early Warning System, (iv) Conduct of flood hazard mapping, (v) strengthening of the FFWS for dam operation.

## **University of the Philippines and National Hydraulic Research Center (NHRC)**

San Juan River Basin, Quezon City Flood Control Project: Components include hydrologic and flood inundation modeling to assess alternative flood mitigation works in Quezon City along San Juan River.

UNDP/GEF Project on Reducing Pollution and Preserving Environmental Flows in the East Asian Seas through the Implementation of Integrated River Basin Management (IRBM) in the Philippines: Strengthening Integrated Management of the Imus-Ylang Ylang and Pasac-Guagua River Basins and Coastal Areas of Manila Bay. (August 2017-June 2018)

Objective, Fact-finding & Science-based Review of Performance of Existing Mining Operations: Benguet Corp. Nickel Mines, Eramen Minerals, Zambales Diversified Metals Corp., LNL Archipelago Minerals, Inc. and Ore Asia Mining & Development Corp. (September 2017-September 2018).

Investigate Additional Potential Surface and Ground Water Source at Carmen, Cebu for Metro Cebu Water Supply ( May 2018-November 2018).

Two-Dimensional Modeling and Simulation of Flow-Salinity Interaction of Agno River to Determine Optimal Location for Domestic Water Supply Diversion and Extraction (September 2018-February 2019)

## Participation in IHP Steering Committees/Working Groups

- Country Representative, Attended 25th Regional Steering Committee Meeting of the UNESCO International Hydrological Programme for Asia and Pacific (UNESCO-IHP AP) and the Joint UNESCO-JASTIP International Conference at Quezon City, Metro Manila, November 13-16, 2017.
- Regional Shared Vision Planning and Collaborative Modelling Training  
23-24 October 2018, Vientiane - Lao PDR
- Pre-Steering Committee Meeting  
22 October 2018, Vientiane - Lao PDR
- 2nd WACDEP Regional Workshop  
18-19 July 2018, Ho Chi Minh City, VietNam
- National Watershed Conference  
26, 2018
- Financial Training in Yogyakarta, Indonesia  
27-28 February 2018
- WACDEP Regional Workshop  
7-8 December 2017, Bangkok, Thailand
- Consultation-Workshop on the preparation of the Philippine National Report on the implementation of RAMSAR Convention December 1, 2017

March

***Last Slide. Thank you very much.***