MALAYSIA COUNTRY’S REPORT
22nd session of the IHP Intergovernmental Council
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Prepared by :-

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9th June 2016
1.0 INTRODUCTION AND BACKGROUND

1.1 The Malaysia International Hydrological Programme (MIHP) has the same objective as most other National Programme Committee and focuses on scientific cooperative programme in water research, water resources management and water related educational programme. MIHP’s primary objectives are:

- to act as a Member States for IHP
- to improve water resources management
- to act as a catalyst to stimulate cooperation and dialogue in water science and management
- to promote sustainable development through integrated water resources management
- to serve as a platform for increasing awareness of global water issues

1.2 The National Committee is currently being chaired by Dato’ Ir. Zulkelfli Hassan, the Director-General of the Department of Irrigation and Drainage (DID) Malaysia. The chairman is assisted by the Vice Chairman, the Honorable Secretary, the Assistance Secretary, four (4) permanent executive committee members and another five (5) non-permanent executive member.

1.3 IHP Malaysia (MIHP) is also supported by three (3) working committees as follows:-

a) Research and Development;
   b) Education, Training and Public Information; and
   c) Standardization of Hydrological Practices.

MIHP has a secretariat office at DID Malaysia with two officers fully seconded by DID to oversee the day to day operation of all its program and activities. MIHP currently has 40 members from various ministries, departments, research institutions, universities and private entities.

1.4 Its permanent executive committee (EXCO) comprises of Department of Irrigation and Drainage Malaysia (DID), UNESCO-Humid Tropics Centre Kuala Lumpur (HTC KL), Malaysia National Commission of UNESCO and the Ministry of Science and Innovation (MoSTI) whilst its non-permanent executive members are from the Ministry of Natural Resources and Environment (NRE), Ministry of Education (MOE), University of Technology Malaysia (UTM) and Putrajaya Holdings (PPj).

1.5 The National Committee holds about two to three annual meetings where activities and programs are reported and future activities are deliberated.

1.6 MIHP also holds a trust account managed by an Account Committee chaired by the Secretary General of the Ministry of Natural resources and Environment
2.0 ACTIVITIES AND ACHIEVEMENT FOR PERIOD OF 2014 - 2016

2.1 Activities that were carried out by MIHP over the last two years are those in particular related to the IHP-VI program. They are usually coordinated from the secretariat office and implemented by task forces set up specifically for the event. Some key activities that have been organised by MIHP Malaysia over the last three years include:


The organisation of the National World Day for Water Celebration as an annual event has traditionally been the responsibility of MIHP and several activities will be carried out in conjunction with the event:

**WWD 2014**

![WWD 2014 Celebration official launching](image)

**WWD 2015**

For 2015, the event kicked off with a half a page World Day for Water Message in two national dailies and followed suit by a Round Table Dialogue where over 100 students from 11 universities took part.

During this event, an exhibition from relevant ministries and agencies was also organised. The official launching of WDW 2015 was carried out in early May 2015 by the Honorable Minister for Natural Resource and Environment. A student camp program was also organised in conjunction with the launching. Several other events such as conference, intellectual discourse, and exhibition were organised at the state level.

**WWD 2016**

2016 World Day for Water Celebration was held by Putrajaya Lake launched by the Honorable Minister of Natural Resources and Environment on the 24 March 2016 and attended by about 400 others from relevant Ministries, Department, Non-Governmental Organisations (NGO) and school students.

The celebration was followed by an interfaith forum organised on the 29th March 2016 at the Ministry of Finance Auditorium, Putrajaya to discuss the stewardship role of the various religious groups in Malaysia. As with the last year, a dialog session with university students was organised to the WWD 2016 theme of water and jobs. Malaysia wrapped up its WWD 2016 celebration with the
organisation of a seminar on water security in the context of SDG. In total there were presentations in this one day event.

b) National Water Watch Programme for Young Leaders

The National Water Programme for Young Leaders is a planned activity with 3 to 4 of such camps organised on a annual basis.

In 2014, three such programs were held in Langkawi, involving more than 200 students were held in Langkawi, Penang.

In 2015, four (4) of these similar events have be organised with one specially dedicated for ASPNet schools. For 2015, the sites that were chosen are of different water environment and such as in Langkawi, Kedah which has a coastal and marine environment, Taiping, Perak with wetlands and upper catchment aquatics system, Samarahan, Sarawak on Borneo Island with a lake and wetland ecosystem and in Johor Bharu, Johor with has an urban setting. Students will have to go through between 8-10 modules and will be taken into. In all about 300 student from 19 schools were involved in these camps.

For 2016, up to May 2016, only one camp had been organised in conjunction with World day for Water celebration in Putrajaya held between 22-24 March 2016. This camp is again organised at Putrajaya Wetland with a total involvement of 71 students and 12 teachers. 8 modules from 9 agencies involving subjects such as BioIndicator, Wetland Functions, Portable Water Quality, River flow gauging, Water Cycle Concept, Water and Environment, Groundwater and Forest.
On an annual basis, IHP Malaysia conducted three to four technical talk sessions were conducted to provide a platform for knowledge sharing and capacity building in related matters with respect to water resources and hydrology. For every session, there will be two invited speakers. The following topics were covered between 2014 – May 2016.

<table>
<thead>
<tr>
<th>Date</th>
<th>Title</th>
<th>Presenter</th>
<th>Organisation</th>
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</thead>
<tbody>
<tr>
<td>13th Ogos 2014</td>
<td>a. Climate Change Impact: Ensuring Malaysian Competitiveness and Relevance</td>
<td>Dr. Gary W. Theseira</td>
<td>MONRE</td>
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<td>26 November 2014</td>
<td>a. Pengurusan Sumber Air Mengikut Perspektif Islam”</td>
<td>Ust. Ahmad Fadzil Ibrahim</td>
<td>JAKIM</td>
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<td>b. Water, Energy and Food Nexus</td>
<td>Dr. Hezri Adnan</td>
<td>ISIS Malaysia</td>
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Year 2015

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<tr>
<th>Date and Title</th>
<th>Presenter</th>
<th>Organisation</th>
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</thead>
<tbody>
<tr>
<td>1. Date : 27 February 2015</td>
<td><strong>“ Water Footprint An Overview”</strong></td>
<td>Dr. Ashok Chapagain</td>
</tr>
<tr>
<td>2. Date : 10 September 2015</td>
<td><strong>“Legal Framework &amp; Institutional Set Up For Successful IRBM Implementation”</strong></td>
<td>Tn. Hj. Md Khairi Selamat</td>
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<td></td>
<td><strong>“ The Mechanics &amp; Dynamics Of Drought: Onset Of El Nino &amp; Its Impact In Malaysia”</strong></td>
<td>Dr. Mohd Hisham Mohd Anip</td>
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<tr>
<td>3. Date : 9 December 2015</td>
<td><strong>Islamic Perspective On Water Security In The Muslim World: Towards Sustainable Development”</strong>.</td>
<td>Dr. Daud Abdul Fattah Bachelor</td>
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<td><strong>‘Water Quality Improvement And Pollution Control: The Way Forward In Implementing TMDL in Malaysia’</strong></td>
<td>Prof. Madya Dr. Ir Zaki Zainudin</td>
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Year 2016

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<th>Date and Title</th>
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<th>Organisation</th>
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<tbody>
<tr>
<td>1 Date : 10 May 2016</td>
<td><strong>“ Excessive Use Of Water By Oil Palm – Myth Or Reality?”</strong></td>
<td>Dr. Norhayati Abdullah</td>
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<tr>
<td>2</td>
<td><strong>“Cloud Seeding – Way Foward To Climate Resilience “</strong></td>
<td>Dr. Kwan Kok Foo</td>
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a) **Forum and Seminars**

Over the last three years, MIHP had organised forum and seminar as listed below :-

Water Footprint Training Feb 2015
a. International Training Course Malaysia on Water Resources Management (MyWRM) Forum 2014 in Putrajaya

b. South East Asia Water Footprint Training Course Malaysia

The training course that was held from the 24th-26th February 2015 in Kuala Lumpur and was attended by 50 participants from Malaysia including 7 participants from SEA countries and 1 from Africa.

b) Water Awareness Events

MIHP provide partial supports both in term of finance and manpower to the organisation of the annual Putrajaya Lake and Wetland Explorace that was held in 2013 and 2014 for university students. In 2014 this event had been scaled up to include international participation from universities within the ASEAN region.

To improve its visibility, MIHP also took part in several exhibition event such as WDW, UNESCO Day Celebration, World Ocean Day and events organised by DID Malaysia.

c) Others

In maintaining communication with the public and those that have been involved in MIHP activities, MIHP maintains a web page and a facebook account and on a regular basis contributed articles for publication in a monthly bulletin published by DID Malaysia. In 2014, MIHP has successfully published a Guide to Hydrological Practices On Estimation Of Design Flood Discharges In Malaysia to related entities in the design of water resources and water related projects. Last year MIHP also publishes four posters and stickers in its effort to raise awareness on water resources.

3.0 ACTIVITIES AT REGIONAL LEVEL

3.1 IHPs Meeting

Every year, MIHP has without fail participated in the Regional Steering Committee (RSC) meetings and other international forums organised by UNESCO and have on several occasions participated in meeting in Paris. Malaysia will continue to ..

3.2 Others

MIHP also participated in other international meetings and coursea organised and supported by UNESCO such as participation in the 7th World Water Forum in Korea and at the 13th IAHR/IWA International Conference on Urban Drainage (ICUD) 2014.
4.0 CURRENT STATE OF THE COOPERATION WITH THE IHP

Over the last three years, MIHP cooperation with IHP is limited to attending meetings and to respond to invitation to courses organised by IHP.

However In 2015, MIHP proposed and received an allocation of about USD 30,000 from UNESCO to organise a three day Water Footprint Training course for the South East Asia Region. The training was carried out in February 2015 in Kuala Lumpur with a total participation of 50 participants including 1 from Africa and seven others for the SEA region.

5.0 VISIONS FOR THE FUTURE

Our vision for the future to raise awareness on environmental sustainability through effective water resources management.

Some of primary effort would be directed towards school children especially those in kindergarten, primary four and secondary two. Our target is to reach to about 20% of the student population on an annual basis. It is also our hope that we can maintain communication with all those that have been gone through our activities especially student leaders that have attended the training camp and university student that had participated used them as the change agent. This objective is now being carried out by the Committee on Training and Public information. Though the Committee on Standardization of Hydrological Practices, it is our vision to publish a Hydrological Procedure Guidelines or Standards every three years.

We also called for closer cooperation and collaboration between all members of MIHP as these visions can only be achieved through meaningful partnership. MIHP will also provide inputs and assistant in the implementation of the National Water Resources Policy to ensure water sustainability and security for Malaysia through effective water resources management. Last but not least it is our vision to contribute to international community in whatever possible and to contribute Malaysia’s dream of becoming a developed nation by 2020.