Harmful Algal Blooms in the western Pacific (IOC/WESTPAC-HAB)

Steering Members Workshop in 2014

Date: 24 April 2014, 9:00-10:40
Venue: Sheraton Hotel, Yersin A Room

Mitsunori Iwataki
ANESC, the University of Tokyo, JAPAN
Objectives

WESTPAC-HAB steering members workshop in Nha Trang 2014

- to exchange information of recent HAB occurrence in the region
- to strengthen the capacity building activity by exploring the opportunity of organizing local (national) training workshops in near future, and
- to discuss future scientific activities based on the established international collaboration platform and framework of the WESTPAC-HAB project.

August 2014(?): Report of this intersessional period (May 2012-)

March 2015: 10th Intergovernmental Session of the IOC Sub-Commission for the Western Pacific", in Thailand.
Agenda

1. **Present status of WESTPAC-HAB and Steering members** *(30 min)*
   1.1 Present status and future activity of the project
   1.2 Steering members in the next intersessional period (2015–)
   1.3 Future plan in the next intersessional period (2015–), *(Fukuyo)*

2. **Planned of training workshops in this year** *(20 min)*
   2.1 Malaysia *(Chui Pin Leaw and Lim Po Teen)*
   2.2 Singapore *(Sandric Leong Chee Yew)*
   2.3 Thailand *(Thaithaworn Lirdwitayaprasit)*

3. **Finalization of red tide brochure** *(10 min)*
   3.1 English version *(Rhodora Azanza & Yasuwo Fukuyo)*

4. **Exchanging information of recent HAB events in each state** *(35 min)*
   4.1 Philippines *(Valeriano Borja)*
   4.2 Singapore *(Sandric Leong Chee Yew)*
   4.3 Malaysia *(Chui Pin Leaw & Lim Po Teen)*
   4.4 Russia *(Polina Popkova)*
   4.5 Vietnam *(Doan Nhu Hai)*
   4.6 Indonesia *(Hikmah Thoha)*

5. **Others**
Project objectives

Long term objectives

1. Understanding of the biological and chemical nature, population dynamics and environmental effects of harmful algae and their bioactive products.

2. Prevention of ill consequences caused by HABs, through providing scientific knowledge useful for establishment of reliable cost- and load-effective management systems including monitoring and research.
Budget

Japanese Funds-in-Trust for UNESCO (JFiT)
ca. 16,000 USD/year

Research Budgets (Research Projects)
- Grants-in Aid for Scientific Research (Kakenhi, Overseas, JSPS)
Yasuwo Fukuyo et al.
Apr 2012 – Mar 2015, ca. 47,000,000 JPY for 3 years

Mitsunori Iwataki et al.
Apr 2013 – Mar 2017, ca. 15,000,000 JPY for 4 years

Training Workshops
Budget for local training courses from each country

Steering members must continue to seek budget for our regional and local activity of WESTPAC-HAB project.
Aiming to sustain coastal marine ecosystems

WESTPAC International Scientific Symposia

- Ocean Observations & Services
  - NEARGOOS
  - SEAGOOS
  - ODINWESTPAC

- Marine Science & Applications
  - Harmful Algae Bloom
  - Toxic Marine Organism
  - Ocean Remote Sensing
  - Coastal and Marine Biodiversity

- Capacity Development
  - Training & Research Centers
  - Specific trainings under projects
  - IOC Regional T&R Center on ODC

- Working Groups
  - WG001: Impact of Asian Dust on Marine Ecosystem
  - WG002: Regular Process for GRAME
  - WG003: Mapping the Harmful Jellyfishes
  - WG004: Marine Renewable Energy Technology

WESTPAC Office, Bangkok

WESTPAC Advisory Group

MOMSEI
Ocean Forecasting Demonstration

- Fluvial Sediment Supply to SCS
- Response of Marine Hazard to CC
- Coral Reef under Climate & Anthropogenic Perturb.
- DNA Taxonomy of Coral reef

Air-Sea Interaction in the Kuroshio Extension and its climate impact

United Nations Educational, Scientific and Cultural Organization
Japan Funds-in-Trust
JFiT supported WESTPAC project

Promoting the Awareness of Coastal & Marine Ecosystem Change and its Impact (PACMEC)

Harmful Algal Blooms (HAB)
Mitsunori Iwataki (Japan)

Toxic Marine Organisms (TMO)
Dao Viet Ha (Vietnam)

Coastal and Marine Biodiversity
Suchana Chavanich (Thailand)

Ocean Remote Sensing (ORS)
Teruhisa Komatsu (Japan)

JFiT supported WESTPAC project (PACMEC) is annually evaluated.
To develop our international collaboration for research on harmful algal blooms in the WESTPAC region, continuous support by JFiT is important;

Steering members have to consider the planning of future activity and implementation, in consideration of JFiT’s requirement.

Previously, activities related to education were required by JFiT, At present, research activities for “sustainability Science” are required

… we will consider future activities of the WESTPAC-HAB project to sustain coastal marine ecosystem service…
Project steering members of WESTAC-HAB

Dr. Gustaaf Hallegraeff (Australia)
Dr. Songhui Lu (Jinan University, China)
Ms. Hikmah Thoha (Indonesian Institute of Science, Indonesia)
Dr. Yasuwo Fukuyo (University of Tokyo, Japan)
Dr. Ken Furuya (University of Tokyo, Japan)
Dr. Mitsunori Iwataki (University of Tokyo, Japan), Project Leader
Dr. Chang Kyu Lee (NFRDI, Korea)
Dr. Po-Teen Lim (Universiti Malaysia Sarawak, Malaysia)
Dr. Rhodora Azanza (University of the Philippines, Philippines)
Ms. Elsa Furio (NFRDI, Philippines)
Dr. Chee Yew Leong (Singapore)
Dr. Tatiana Morozova (Russian Academy of Science, Russia)
Dr. Thaithaworn Lirdwitayaprasit (Chulalongkorn University, Thailand)
Dr. Donald M Anderson (Woods Hole Oceanographic Institution, USA)
Dr. Dao Viet Ha (Institute of Oceanography, Vietnam)
Dr. Nguyen Van Nguyen (Research Institute of Marine Fisheries, Vietnam)

Please discuss steering member list in each country until the next workshop.
The Project Steering Group is established to meet the scientific, managerial, implementation, and resource needs of the WESTPAC- Harmful Algal Blooms Project. The Group will carry out the following functions:

1. Review the condition of HAB occurrences in the region and identify project requirements;
2. Promote efficient and cost-effective implementation of the WESTPAC Project and prepare recommendations on this implementation to the IOC Sub-Commission for the Western Pacific and the IOC’s Intergovernmental Panel for HAB;
3. Identify the resources necessary to meet HAB project needs;
4. Ensure effective interaction and communication with WESTPAC and IOC’ Intergovernmental Panel on HAB, as well as other regional intergovernmental (NOWPAP, PEMSEA, PICES) and non-governmental (e.g., SCOR) organizations involved in research on toxic algae and harmful algal blooms; and
5. Report to the IOC Sub-Commission for the Western Pacific and IOC’s Intergovernmental Panel on HAB.
Intergovernmental Session of IOC
“9th Intergovernmental Session of the IOC Sub-Commission for the Western Pacific”, Busan, Korea, 9-12 May 2012

IPHAB
“11th IOC Intergovernmental Panel on Harmful Algal Blooms” Paris, France, 28-30 April, 2013
Harmful Algae News

Editor: Dr. Tim Wyatt, and he has wished to seek a replacement.

1. The idea is that the regional editors will assist the Editor-in-chief to collate and stimulate articles from their regions. These may be matching the regional HAB groups (ANCA, FANSA, HANA, WESTPAC/HAB) but does not have to.
2. You are invited to propose/nominate a new Editor-in-chief for HAN.
3. You are invited to propose/nominate a regional co editor for the regions.
4. ISSHA and GEOHAB will continue as co-Editors of their own sections.