

GEOHAB

Global Ecology and Oceanography of
Harmful Algal Blooms

SECOND OPEN SCIENCE MEETING

HABs and Eutrophication

(Second Announcement)

18-21 October 2009 Beijing, China



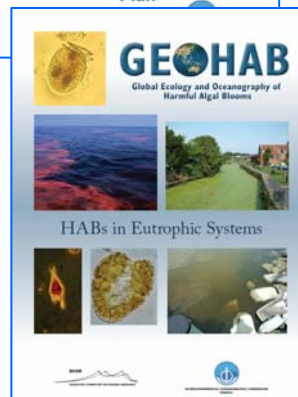
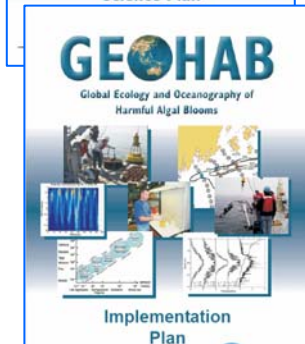
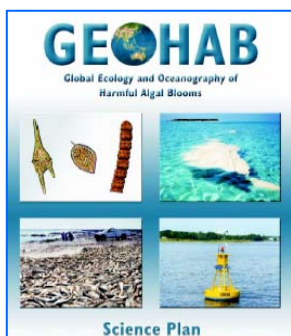
United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission



Meeting Website: www.geohab.info; www.geohab-osm-bj.ac.cn



The GEOHAB Programme, endorsed by SCOR and IOC of UNESCO, is an international programme aimed at fostering and promoting co-operative researches in marine and brackish waters directed toward improving the prediction of harmful algal bloom events.

The GEOHAB Scientific Goal is to improve prediction of HABs by determining the ecological and oceanographic mechanisms underlying their population dynamics, integrating biological, chemical, and physical studies supported by enhanced observation and modelling systems.

The GEOHAB Mission is to foster international co-operative research on HABs in ecosystem types sharing common features, comparing the key species involved and the oceanographic processes that influence their population dynamics.

Eutrophication is recognized as one of the factors contributing to the increasing proliferation of harmful algal blooms in coastal areas worldwide. After the first Open Science Meeting on “HABs in eutrophic systems” held in Baltimore in 2005, the second OSM meeting is designed to bring experts together from around the world to review the state-of-the-art knowledge on eutrophication and HABs, and to take steps in designing the next phase researches to address this critical global issue.

Topics

- **Land-based nutrient pollution and coastal eutrophication**
- **Dynamics of HABs in eutrophic coastal waters**
- **Cyanobacteria blooms and eutrophication in freshwater**
- **Physiology of HAB causative species in eutrophic systems**
- **Comparative studies of HABs in eutrophic systems**
- **Monitoring, modeling and prediction of HABs in eutrophic systems**
- **Impacts of HABs in eutrophic systems and management strategies**

Committee

Scientific Organizing Committee

Patricia M. Glibert (USA), Co-convener

J. Icarus Allen (UK)

Michele Burford (Australia)

Paul Harrison (Hong Kong, China)

Ming-Jiang Zhou (China), Co-convener

Donald M. Anderson (USA)

Edna Granéli (Sweden)

Ming-Yuan Zhu (China)

Conference Advisory Committee

Ji-Lan Su

Jing Zhang

Qi-Sheng Tang

Honorable Conference Chairs

Song Sun, Director of IOCAS

De-Yi Ma, Director of FIOSOA

Local Organizing Committee

Zhi-Ming Yu, Co-Chair

Kin-Chung Ho

Yong-Ding Liu

Yu-Zao Qi

Gong-Ke Tan

Ren Xu

Hong Yin

Zhi-Gang Yu

Ming-Yuan Zhu, Co-Chair

Xiang-Can Jin

Song-Hui Lü

Ping Shi

Zong-Ling Wang

Tian Yan

Ren-Cheng Yu

Jing-Zhong Zou

Local Secretary

Tian Yan, Executive Secretary

Institute of Oceanology, Chinese Academy of Sciences

7, Nanhai Road, Qingdao, 266071, P.R. China

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Lu Liu

Yun-Feng Wang

Qing-Chun Zhang

Email of the local secretary: habs@qdio.ac.cn

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Hai-Yan Wang

Yong-Quan Yuan

Wei Zheng

Sponsors



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中国科学院
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国家自然科学基金
基金委员会
National Natural Science
Foundation of China



香港公開大學
THE OPEN UNIVERSITY
OF HONG KONG



中国科学院
海洋生态与环境科学重点实验室



海洋生态环境科学与工程国家海洋局重点实验室



海洋赤潮灾害立体监测技术与应用
国家海洋局重点实验室

Important Date

Abstract Deadline	1 August 2009
Deadline of Early Registration	15 August 2009
Registration Deadline	15 September 2009
Meeting Date	18-21 October 2009
Venue Registration	18 October 2009

Registration

On line registration will be available soon.

Meeting Website: www.geohab.info; www.geohab-osm-bj.ac.cn

Registration Fees	Early registration (on or before 15 August 2009)	Registration (From 16 August 2009 to 15 September 2009)
Overseas participants	US \$150	US \$200
Chinese participants	RMB ¥1000	RMB ¥1500
Overseas Students	US \$100	US \$150
Chinese Students	RMB ¥600	RMB ¥1000

Cancellation policy:

A written notification of cancellation must be sent to Local Secretary by email to habs@qdio.ac.cn

Before 15 September, 2009 an administrative fee of US\$ 20 or RMB ¥ 150 will be deducted from the registration fee paid.

Between 16 September and 1 October, 2009 an administrative fee of US\$ 40 or RMB ¥ 300 will be deducted from the registration fee paid.

Requests for refunds cannot be processed after 2 October, 2009.



Abstract submission

The meeting will include keynote, oral and poster presentations. Abstracts should be 200-300 words in length (12-point type, single-spaced) and should be submitted by email to the local secretary (or On-line) as an attachment. The title should be given in bold letters followed by the full names and addresses of authors. Please underline the name of the presenting author and ensure that your details for correspondence appear on the abstract. The deadline for submission of abstracts is 1 August 2009. Abstracts will be collected for distribution in the program book of the meeting.

Abstract Demonstration

Understanding harmful algal blooms in eutrophic coastal waters: necessity of end-to-end studies


Mingjiang Zhou*

Institute of Oceanology, Chinese Academy of Sciences, Qingdao, 266071, P.R. China

Abstract

Human activities, particularly the increasing production and use of synthetic fertilizer, have significantly changed the biogeochemical processes of the major nutrients, such as nitrogen (N) and phosphorus (P), and led to nutrient over-enrichment and eutrophication in coastal waters. In many coastal regions, eutrophication has caused undesirable ecological changes and negative consequences, including massive algal bloom, anoxia/hypoxia, green tide, jellyfish bloom, and damages to fishery and aquaculture etc. Recent studies revealed that the phenomena of increased harmful algal blooms in eutrophic coastal waters had a close relationship with the change of nutrient regime in seawater, and that the altered ratio of nutrient supply in some typical eutrophic waters had resulted in more nuisance or harmful blooms of flagellates. Meanwhile, many consequences of eutrophication, such as hypoxia and jellyfish blooms, could be intrinsically related to the massive harmful algal blooms or the substitution of dominant species in phytoplankton community, which causes the change of food webs in the area. Therefore, it was suggested that end-to-end studies from the source of nutrients overloading to the consequences of ecological changes be carried out in eutrophic coastal waters to understand the nature and impacts of harmful algal blooms, in which well designed comprehensive field investigation and end-to-end modeling capability are prerequisite to make it realizable.

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E-mail:mjzhou@ms.qdio.ac.cn



Accommodation

On line Accommodation will be available soon.

Meeting Website: www.geohab.info; www.geohab-osm-bj.ac.cn

Address: Chinese People's Palace

中国职工之家酒店

Website: <http://www.zgzgj.com/>

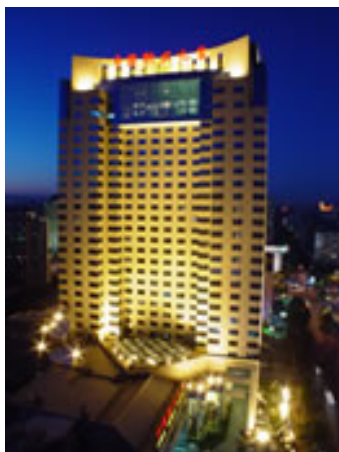
Address: No.1 Zhenwumiao Road, Fuxingmen Ave, Xicheng District, Beijing

北京市西城区复兴门外大街真武庙路1号

ZIP: 100045

Tel: +86-010-68576699 Fax: +86-010-68562303

Price:



Hotel Room Type		Price (Breakfast not included)
Block B (4 Stars)	Standard Room	RMB ¥450 (≈US \$ 70)
	Business Room	RMB ¥450 (≈US \$ 70)
	General Suite	RMB ¥730 (≈US \$ 110)
Block C (5 Stars)	Standard Room	RMB ¥810 (≈US \$ 120)
	Business Room	RMB ¥810 (≈US \$ 120)

Keynote presentation

- *Noctiluca scintillans*: dynamics, ecology and global distribution
(Author: Harrison, Paul J., Ken Furuya, and Pat Glibert)
- Research and monitoring harmful algal blooms program in the Yucatan (SE, Mexico) coast
(Author: Jorge A. Herrera-Silveira, Cynthia Alvarez-Góngora, Fanny Merino Virgilio, Ana Trujillo, Ismael Mariño, Cecilia Enriquez, Daniel Robledo, Yury Okolodkov)
- Expansion of harmful algal blooms in the coastal water of Oman, possible causes
(Author: Adnan Al-Azri, Joaquim Goes, Helga Gomes, Khalid Al-Hashmi)
- Impact of global aquaculture production on nutrient loads and nutrient forms in coastal marine ecosystems
(Author: Ciska Overbeek, Marcin Pawlowski, Arthur Beusen and Lex Bouwman)
- Nitrogen released by Chilean Salmon industry (1989 - 2007) to the southern coast of Chile: large scale nutrient (N, P) loading impact
(Author: Sandor Mulsow)
- (To be updated)

Travel and Local Info

Passport and visa:

****Important**** Visitors to China, without exception, must have a passport or official travel documents valid for at least six months AND most visitors need an entry visa.

Early application is highly recommended. In some countries the visa approval process is rather slow, and can take up to three months. So please contact your embassy as soon as possible for visa information. Participants should apply for visas from the nearest Embassy or Consulate of the People's Republic of China, prior to departure for China.

List of Chinese Embassies or Consulates :

<http://www.fmprc.gov.cn/eng/wjb/zwjg/default.htm>

PLEASE NOTICE

If you need a formal invitation letter for your visa application, please email to the Local Secretary (habs@qdio.ac.cn) as soon as possible. And the Local Secretary will delivered the invitation letter to you by email or airmail.

Transportation:

From the airport:

Travel by taxi is the most convenient method and is strongly recommended. The taxi fee is about RMB ¥100 from Beijing Capital Airport to Chinese People's Palace.

Destination instructions and Chinese translations to show your taxi driver:

I'm going to the Chinese People's Palace. Thank you.

请送我到中国职工之家酒店，谢谢！

Beijing Guide and Practical Information:

Beijing, "Jing" for short, is the nation's political, economic, cultural and educational center as well as China's most important center for international trade and communications.

As the capital of the People's Republic of China, Beijing is located in northern China, at 116° 46' E and 39° 92' N.

The city covers an area of more than 16,410 square kilometers (6,336 square miles) and has a population of 14.93 million people. It has been the heart and soul of politics and society throughout its long history and consequently there is an unparalleled wealth of discovery to delight and intrigue travelers as they explore Beijing's ancient past and enjoy its exciting modern development.



Climate: <http://www.travelchinaguide.com/climate/beijing.htm>

Time zone: GMT/UTC plus 8 hours

Useful Numbers:

Telephone country code: +86

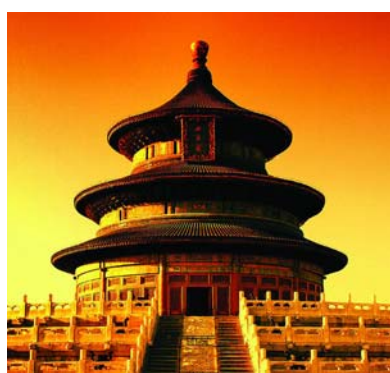
Telephone area code: 10

Police: 110

Fire Department: 119

Ambulance: 120

Local directory assistance: 114



Currency and Bank Information:

The RMB (Renminbi) is the official currency, also called Chinese Yuan.

Only RMB can be used when you are in China. Visa, Master, American Express, Diners Club and JCB are widely accepted in most malls, shopping centers, restaurants and hotels.

Current exchange rate (April 2009):

1 USD \approx 6.8 RMB

1 Euro \approx 9.0 RMB



Electricity: The electrical voltage in China is 220V.

Water: Tap water is not suitable for drinking. Visitors are advised to drink boiled water, bottled purified water or mineral water. Complimentary bottled water may be offered in some hotels

Exhibition Booth

Several exhibition booth will be prepared outside the meeting hall.

For the detailed information, please contact the local secretary.

Funding Support

Limited funding may be available to support young scientists and scientists from the developing countries, please check the meeting website www.geohab.info, www.geohab-osm-bj.ac.cn for detail.