

# W5-HAB MEQ Workshop and HAB Meeting Developing a North Pacific HAB data resource - II

*Co-sponsored by Intergovernmental Oceanographic Commission (IOC)*

*Workshop Convenors: Henrik Enevoldsen (Denmark/IOC), Hak-Gyoon Kim (Korea/PICES) and Vera Trainer (U.S.A./PICES)*

Harmful Algal Blooms (HABs) are comprised of rapidly growing toxic and non-toxic species, and affect the marine ecology and economy of coastal nations. Monitoring and research activities aimed towards achieving effective predictive and mitigative strategies are underway in each PICES member nation, in many cases dealing with similar organisms or problems. These efforts will benefit from building a common data resource among PICES nations that allow inter-comparison of HAB species composition and the magnitude of environmental and economic impacts. At last year's joint PICES/IOC Workshop on "Harmful algal blooms – Harmonization of data", representatives from PICES member countries accepted an offer from IOC/ICES to utilize their successful harmful algal event meta-database (HAE-DAT) format on a trial basis. The goal of this workshop is to provide an interim "report card" on the use of this database. The central tasks are: (i) to ascertain how well the database process worked; (ii) to identify any difficulties in data delivery from member nations; (iii) to assess the effectiveness of the interactive web-based window to the developing resource; and (iv) to determine if further modifications are needed to encompass unique aspects of Pacific Rim marine resources.

## *W5 (MEQ) Workshop*

*Friday, October 15, 2004 9:00-17:30*

- 09:00-09:30     **Henrik Enevoldsen and Monica Lion**  
The joint IOC-ICES-PICES Harmful Algal Event Data-base, HAE-DAT (W5-2179)
- 09:30-10:00    **Nicolaus G. Adams, Diedre Crawford, William P. Cochlan and Vera L. Trainer**  
Use of the ICES harmful algal event meta-database to archive data from the west coast of the United States (W5-2159)
- 10:00-10:30    **Coffee break**
- 10:30-11:00    **Mingyuan Zhu, Ruixiang Li and Zongling Wang**  
HAB data in China (W5-2197)
- 11:00-11:30    **Hak Gyoon Kim, Young Shil Kang, Chang Kyu Lee, Gui Young Kim, Wol Ae Lim, Sook Yang Kim, Young Tae Park, Soo Jung Chang and Hee Dong Jeong**  
Use of Korean HAB data for the joint ICES/PICES HAE-DAT database (W5-2193)
- 11:30-12:00    **Ichiro Imai, Shigeru Itakura, Yasunori Watanabe, Akira Ishikawa and Yasuwo Fukuyo**  
HAB data in Japan and a trial for joining PICES database (W5-2192)
- 12:00-13:30    **Lunch**
- 13:30-14:00    **Tatiana Yu. Orlova**  
Entry of HAB data from the east coast of Russia into the ICES/PICES HAE-DAT database format (W5-2194)
- 14:00-14:30    **Angelica Peña and Melanie Quenneville**  
Testing the ICES harmful algal event meta-database to archive data from the west coast of Canada (W5-2195)

- 14:30-15:00 **Discussion of usefulness and possible modifications to HAE-DAT for PICES member countries**  
 1. How will HAE-DAT be used in the future by PICES?  
 2. Who will enter data?  
 3. Will any historical data be entered?
- 15:00-15:20 **Coffee break**
- 15:20-16:00 **Nicolaus Addams**  
 SURFER demonstration
- 16:00-16:30 **Robin Brown**  
 TCODE integration with HAB database efforts
- 16:30-17:00 **Jeanne S. Allen**  
 Data integration issues within the Gulf of Mexico (W5-2086)
- 17:00-17:30 **Summary and wrap up**

### *HAB Meeting*

*Saturday, October 16, 2004 8:30-17:00*

- 08:30-09:00 **Hak Gyoon Kim and Vera Trainer**  
 Welcome by Co-Chairmen and introduction of HAB Section
- 08:50-09:20 **Mingyuan Zhu, Ruixiang Li and Zongling Wang**  
 The occurrences of HAB in Chinese coastal waters in recent three years (HAB-1825)
- 09:20-09:50 **Ichiro Imai, Tomotaka Shiraishi, Kiyohito Nagai, Shingo Hiroishi, Shigeru Itakura, Yasunori Watanabe, Akira Ishikawa and Yasuwo Fukuyo**  
 Monitoring of the shellfish-killing dinoflagellate *Heterocapsa circularisquama* in Japanese coastal sea by indirect fluorescent antibody technique (HAB-2199)
- 09:50-10:10 **Coffee break**
- 10:10-10:40 **Angelica Peña**  
 Preliminary proposal of a Canadian Program on the Ecology and Oceanography of Harmful Algal Blooms (HAB-2200)
- 10:40-11:10 **Tatiana Yu. Orlova**  
 Harmful algal bloom data for the Russian east coast (HAB-1970)
- 11:10-11:40 **Hak Gyoon Kim, Young Shil Kang, Chang Kyu Lee, Gui Young Kim, Wol Ae Lim, Sook Yang Kim, Young Tae Park, Soo Jung Chang, Young Sang Suh and Hee Dong Jeong**  
 Recent approaches for the prediction and mitigation of *Cochlodinium polykrikoides* blooms in Korean waters (HAB-2201)
- 11:40-12:10 **Vera L. Trainer, Barbara M. Hickey, Mark Wells and William P. Cochlan**  
 Ecological linkages between physical and oceanographic conditions and the seasonal growth and distribution of *Pseudo-nitzschia* blooms on the U.S. west coast (HAB-2198)
- 12:10-13:30 **Lunch**

- 13:30-14:00 **Michelle C. Tomlinson, Richard P. Stumpf, Dana L. Woodruff, Nathan R. Evans and Susan Dunham**  
The use of remote sensing and meteorological data for monitoring HABs through ecological associations (HAB-2039)
- 14:00-14:30 **Yinglin Zou, Mingyuan Zhu, Ruixiang Li and Zhenxing Wu**  
Monitoring toxic HAB in the Chinese waters during the recent three years (HAB-1864)
- 14:30-15:00 **Hak Gyoon Kim and Vera Trainer**  
Summary of the PICES XIII workshop on “Developing a North Pacific HAB Data Resource – II”
- 15:00-15:20 **Coffee break**
- 15:20-17:00 **Discussion of HAB Section future tasks**

