

REPORT OF THE ADVISORY PANEL FOR A *CREAMS/PICES PROGRAM IN EAST ASIAN MARGINAL SEAS*

A formal meeting of the Advisory Panel for a *CREAM/PICES Program in East Asian Marginal Seas* (CREAMS-AP) took place on October 25, 2009 during PICES-2009 in Jeju, Korea. Seven members and 6 observers from Korea, Japan, Russia and the U.S. attended the meeting (*CREAMS-AP Endnote 1*). Dr. Kyung-Ryul Kim, Co-Chairman of CREAMS-AP, opened the meeting at 18:10 h with self-introductions of each participant. Dr. Kim mentioned that this was a formal meeting after the informal one that took place in Busan, Korea in April. The meeting agenda can be found in *CREAMS-AP Endnote 2*. He also mentioned that Dr. Fang Wang was attending on behalf of one of the Panel members, Dr. Fei Yu, who could not be at the meeting.

AGENDA ITEM 2

Summary of informal Advisory Panel meeting in Busan

Dr. K.-R. Kim showed a summary report of the informal CREAMS-AP meeting that was held in Busan, Korea on April 24, 2009 and briefly explained its content (*CREAMS-AP Endnote 3*). It was held in conjunction with the 15th PAMS meeting (see Agenda Item 5).

AGENDA ITEM 3

Report on capacity building activities in 2009

Dr. Dong Jin Kang, on behalf of Dr. Kyung Ae Park, Seoul National University, reported that the PICES 2009 Summer School on “*Satellite oceanography for the earth environment*” was successfully held from August 25–29 at Seoul National University, coinciding with the launch of Korea’s first geostationary ocean color satellite.

AGENDA ITEM 4

Report on North Pacific Ecosystem Status Report (NPESR)

CREAMS-AP Co-Chairman, Dr. Vyacheslav Lobanov, reported that the North Pacific Ecosystem Status Report is nearing completion. The drafts of some regional chapters have already been submitted to lead editors of the NPESR and the rest must be finished by November 2009. A synthesis workshop will be held in December 2009. A special PICES workshop on “*Status and trends in East Asian marginal sea ecosystems*” was held from April 21–22, 2009 in Busan, Korea, which contributed largely to the contents of the report. Dr. K.-R. Kim requested Dr. Lobanov to circulate the draft for input from CREAMS-AP members and related scientists.

AGENDA ITEM 5

Report on international cooperation

Russia-Korea cooperation in 2009

Drs. Lobanov and D.-J. Kang reported that a Russia-Korea cooperative cruise was successfully implemented in July 2009 with 33 scientists, including 15 Koreans, on the Russian research vessel *Akademik M.A. Lavrentyev*.

CREAMS-AP-2009

Hakuho-Mar cruise in 2010

Dr. Kang reported on behalf of Drs. Toshitaka Gamo (University of Tokyo) and Jing Zhang (Toyama University) about planning for a 43-day cruise of R/V *Hakuho-maru* during June–July 2010.

GLOBEC Open Science Meeting

Dr. Yasunori Sakurai (Seoul National University) reported that a workshop on “*Climate impact on ecosystem dynamics of marginal seas*” was held during the GLOBEC Open Science Meeting in June 2009 in Victoria, Canada. Summaries are available in the PICES (PICES Press, July 2009, Vol. 17, No. 2, pp. 24–25; http://www.pices.int/publications/pices_press/volume17/v17_n2/pp_24-25%20Marginal%20seas%20workshop_f.pdf) and GLOBEC newsletters.

China-Japan-Korea GLOBEC Symposium

Drs. Sakurai and CREAMS-AP Co-Chairman, Joji Ishizaka, reported that the China-Japan-Korea GLOBEC Symposium that was originally planned for December 2009 in Korea was postponed to 2010.

PAMS meeting

Drs. Kyung-II Chang and Jae-Hak Lee reported that the 15th PAMS Meeting was successfully held in Busan, Korea from April 23–25, 2009. A special report will be published in *Progress in Oceanography* with Dr. Lee acting as Guest Editor. The next PAMS Meeting will be in Taiwan in 2011.

AGENDA ITEM 6

Activities of CREAMS-AP after 2009

Continuation of EAST-I

Dr. K.-R. Kim reported that continuation of the EAST-I program was already approved and members agreed to enhance the activities.

EAST-II (Yellow Sea, East China Sea)

a) Summary of Chinese research activities

Dr. Fan Wang reported that a buoy array system was established in the Yellow Sea and East China Sea, operated by the Institute of Oceanology, Chinese Academy of Sciences (IOCAS). Test operations began in June 2009 for physical, meteorological, chemical, geological and biological measurements. These will be a potential Chinese contribution to EAST-II. Initial surveys have been carried out 1–2 times per year since 2005 by IOCAS and the frequency will increase to 4 cruises per year within a couple of years. The exchange of ship time between participating nations of the EAST-II program would be very helpful for EAST-II implementation.

b) Summary of Japanese research activities

Dr. Ishizaka reported that planning for a *Nagasaki-maru* cruise in late July 2010 south of Jeju Island (Korean EEZ) in collaboration with Korean scientists can be a good activity of EAST-II. He also invited participation to the cruise by scientists from other member countries. Dr. Ishizaka reported on the activities of the Seika National Fisheries Institute. Dr. Takeshi Matsuno (Kyushu University) reported on a project called “*Establishment of cooperative sea under the common understanding on the marine environment of the East China Sea*” and suggested the need for a virtual consortium to discuss cooperation and the possibility of CREAMS-AP as the function.

c) Summary of Korean research activities

Dr. Lee reported on buoy systems, including IEODO, Gagecho, Yellow Sea, a new buoy near Changjiang estuary, and KOOS as an extension of NEAR-GOOS. He also mentioned that the first stage of the Yellow Sea Large Marine Ecosystem project ends June 2010 and that a second stage is expected.

d) Action Plan for the near future

Drs. Lee and Ishizaka suggested convening a special session of EAST-II during the 5th PEACE Meeting in Kangnung, Korea, in September 2010. Panel members agreed to the proposal and to requesting travel funds through the POC/MONITOR Committees.

They also suggested that the *Nagasaki-maru* cruise for July 2010 be considered as an activity of EAST-II. Members agreed.

Dr. Jiang Zhang from East China Normal University was suggested as a candidate for an additional Advisory Panel member and a possible Co-Chair from China. Dr. K.-R. Kim will contact him to see if he is interested.

AGENDA ITEM 7

Next Advisory Panel meeting

It was tentatively decided to hold the next inter-sessional CREAMS-AP meeting in Qingdao, China in spring 2010. Dr. Wang will discuss the possibility with Dr. Fei Yu, and they will circulate the results to the Panel members.

AGENDA ITEM 8

Miscellaneous Items

A summary of this meeting will be reported by Drs. Ishizaka and Lobanov at the POC and MONITOR committee meetings on October 28.

The replacement of Dr. Suam Kim by Dr. Kyung-Il Chang as a member of CREAMS-AP will be confirmed by the Korean delegation.

AGENDA ITEM 9

Closing

Co-Chairman, Dr. K.-R. Kim closed the meeting at 21:00 h, October 25, 2009.

CREAMS-AP Endnote 1**CREAMS-AP participation list**Members

Kyung-Il Chang (Korea)
 David M. Checkley, Jr. (U.S.A.)
 Joji Ishizaka (Japan, Co-Chairman)
 Kyung-Ryul Kim (Korea, Co-Chairman)
 Jae-Hak Lee (Korea)
 Vyacheslav Lobanov (Russia, Co-Chairman)
 Fan Wang (China, on behalf of Fei Yu)
 Yury Zuenko (Russia)

Observers

Dong-Jin Kang (Korea)
 Chang-Keun Kang (Korea)
 Jin-Yeong Kim (Korea)
 Yasunori Sakurai (Japan)
 Takeshi Matsuno (Japan)

CREAMS-AP Endnote 2

CREAMS-AP meeting agenda

1. Opening remarks
2. Summary of informal Advisory Panel meeting in Busan
3. Report on capacity building activities in 2009
4. Report on North Pacific Ecosystem Status Report (NPESR)
5. Report on international co-operation
 - 5.1 Russia-Korea Cooperation in 2009
 - 5.2 *Hakuho-Mar*u Cruise in 2010
 - 5.3 GLOBEC Open Science Meeting
 - 5.4 China-Japan-Korea GLOBEC Symposium
 - 5.5 PAMS meeting
6. Activities of CREAMS/PICES AP after 2009
 - 6.1 Continuation of EAST-I
 - 6.2 EAST-II (Yellow Sea, East China Sea)
 - a. Summary of Chinese research activities
 - b. Summary of Japanese research activities
 - c. Summary of Korean research activities
 - d. Action Plan for near future
7. Next Advisory Panel meeting
8. Miscellaneous items
9. Closing

CREAMS-AP Endnote 3

Informal CREAMS/PICES Advisory Panel Meeting

An informal meeting of the CREAMS-AP took place on April 24, 2009 at the Novotel Ambassador Hotel, Busan, Korea, during the 15th Pacific Asian Marginal Seas (PAMS) meeting. Five members of the CREAMS-AP and four observers from Korea and Japan attended the meeting as did the Deputy Executive Secretary of PICES, Dr. Skip McKinnell.

Membership changes

Dr. Kyung-Ryul Kim, Co-Chairman of CREAMS-AP opened the meeting at 18:40 h on April 24, 2009. After self-introductions of each participant, Dr. Kim introduced a new prospective member of CREAMS-AP, Dr. Joji Ishizaka (Nagoya University, Japan). Dr. Ishizaka will replace Dr. Yasunori Sakurai (Hokkaido University, Japan) who has served as a Co-Chairman for last two years. Dr. Ishizaka is prepared to serve as a Co-Chairman as well. Dr. K.-R. Kim also reminded the participants that Dr. Vyacheslav Lobanov (Pacific Oceanological Institute, Russia) was recommended to serve as a new Co-Chairmen of CREAMS-AP during the 2008 PICES Annual Meeting in Dalian, China.

Dr. Kyung-Il Chang (Seoul National University, Korea) was also recommended to replace Dr. Suam Kim (Pukyung National University, Korea) who served for last two years as a member and who expressed a desire to step down at the 2008 PICES Annual Meeting. Dr. Skip McKinnell reminded the participants of the formal procedures for changes to PICES memberships that must be undertaken by Governing Council Delegates.

Previous meeting

Dr. K.-R. Kim reviewed the results of the previous CREAMS-AP meeting during the PICES 2008 Annual Meeting in Dalian, China, and briefly explained the results of that meeting.

Discussion on the East Asian Seas Time-series II

The CREAMS-AP members agreed that it would be desirable to expect more activities for CREAMS-AP from China, especially for the possible initiation of proposed new EAST-II program on the East China Sea and Yellow Sea. It was recommended that it might be desirable to search for more members from China. If necessary, Dr. Ishizaka and Dr. J.-H. Lee will seek possible candidates that can be recommended to a Chinese Delegate by the AP.

Members agreed that a report about the EAST-II program must be prepared for the PICES POC Committee for discussion at PICES-2009 in Jeju, Korea. Prof. J. Ishizaka, Dr. Jae-Hak Lee, (and a scientist from China) will initiate preparation of the report.

Report on the *Hakuho-maru* cruise in 2010

Dr. Jin Zhang (University of Toyama, Japan) participated in the AP meeting in lieu of Dr. Toshitaka Gamo (University of Tokyo) and reported on the current status of the proposed cruise of the *Hakuho-maru* in 2010. The duration of the cruise is 43 days, consisting of three separate legs. The first leg will start from a Japanese port on June 11, 2010. Discussions about permission for entry into Korean and Russian EEZs were done among all participants. The CREAMS-AP proposed that Dr. Zhang circulate the cruise plan to all CREAMS-AP members in time for cooperation.

Next meeting

It was decided to hold the next CREAMS-AP meeting during PICES-2009 in Jeju, Korea, in October 2009.

Closing

Dr. K.-R. Kim closed the meeting at 21:30 h, April 24, 2009.