

## **Report of the Advisory Panel for a *CREAMS/PICES Program* in *East Asian Marginal Seas***

The meeting of the Advisory Panel for a *Circulation Research in East Asian Marginal Seas* (AP-CREAMS) was held from 15:30 to 19:00 h on November 4, 2016 in San Diego, USA. Nine Panel members and one observer attended the meeting (*AP-CREAMS Endnote 1*). Dr. Kyung-Ryul Kim, Chair of AP-CREAMS, opened the meeting for business (*AP-CREAMS Endnote 2*).

### AGENDA ITEM 2

#### **AP-CREAMS publications**

##### *EAST-I: Supplementary Chapter of PICES NPESR 2003–2008*

Dr. Kim reported on the progress of the Supplementary Chapter for the North Pacific Ecological Status Report 2003–2008. The Chapter was approved by Governing Council at its inter-sessional meeting in June 2016 in Hangzhou, China, was technically edited by the Secretariat in collaboration with the lead authors of the chapters over the summer. The copy-edited version of the Supplementary Chapter is almost finished.

##### *EAST-II: Report on preparation of an overview*

Dr. Jae Hak Lee reported the status of the publication of “*Oceanography of Yellow Sea and East China Sea*” and Dr. Fei Yu reported on the progress of contributions by Chinese lead authors. AP-CREAMS agreed that another year was needed to complete EAST-II and will ask its parent Committees to bring the request for a 1-year extension to Science Board. Members revised the list of authors and discussed the revised time schedule of publication. An AP-CREAMS editorial board will initiate a letter to authors and reviewers with an example from the EAST I publication by the end of November, 2016. Dr. Lee agreed to prepare the e-mail.

##### *Revised time schedule for EAST-II*

- November 30, 2016 – Send a letter (with a sample/EAST-I publication) to authors/reviewers;
- May 1, 2017 (before AP CREAMS meeting) – have 1<sup>st</sup> draft (by lead author and coauthor);
- July 31, 2017 – have final draft reviewed;
- PICES-2017 – Submit final draft to POC/MONITOR/Science Board.

##### *EAST-II authors’ workshop*

AP-CREAMS debated the best times to hold an EAST-II authors’ workshop. AP-CREAMS supported Dr. Dongfeng Xu’s suggestion to hold the meeting in Qingdao (later changed to Xiamen, from January 12-13, 2017). Dr. Yu agreed to organize the workshop. A request for the workshop will be brought to the parent committees.

### AGENDA ITEM 3

#### **National reports**

##### *China*

No report was presented.

##### *Japan*

No formal report was presented but information was provided by Dr. Joji Ishizaka that a survey cruise using the T/V *Nagasaki-maru* was carried out in the eastern East China Sea in July 19–28, 2016. One Ocean University of China student and two staff members from KIOST participated in the cruise.

*Korea*

Dr. J.H. Lee announced that the Korea EAST II project will include a joint Korea–Japan–China cruise on the R/V *Onnuri* to study physical and bio-geochemical conditions in the Yellow and East China seas in January or February, 2017, which is delayed from earlier plan.

*Russia*

Dr. Yury Zuenko reported on the monitoring of oceanographic conditions in the Far-Eastern Seas of TINRO including the EAST-I area, Okhotsk Sea, Bering Sea, Northwestern Pacific and the Arctic coastal region in 2015. The same survey is planned for 2017.

AGENDA ITEM 4

**Capacity building activities in 2016 and later**

*Report from Nagoya University*

Dr. K.-R. Kim related that the International Hydrological Programme-led Training Course on “*Coastal vulnerability and freshwater discharge*” and co-sponsored by PICES will be held in Nagoya University from November 27 to December 10, 2016. Dr. Ishizaka is the local organizer. Five students from Canada, China, Korea, Japan, and Russia are supported by PICES.

AGENDA ITEM 5

**International co-operation**

Dr. K.-R. Kim proposed that AP-CREAMS organize a joint Russia–Korea cruise to the East/Japan Sea in 2019 to repeat the oceanographic survey of 1999. Members agreed that this cruise could be very useful and productive to track changes in waters characteristics.

Dr. Vyacheslav Lobanov provided details on the status of the NEAR-GOOS Climate Monitoring Section, a pilot project implemented by Russia and Japan. He also mentioned that WESTPAC plans to repeat the Cooperative Study of the Kuroshio international program (CSK-2) in 2019. The international survey organized by CREAMS, suggested above, would also contribute the WESTPAC program. Members agreed that further discussion on appropriate actions, EEZ problem, vessels and ship time, *etc.* will continue at the next AP meeting.

Dr. Hee-Dong Jeong reported on the plan for ferryboat monitoring (temperature, salinity, Chl-*a*) between Donghae and Vladivostok, which is scheduled to begin in January 2017. He also suggested that monitoring be undertaken in all straits in the East/Japan Sea. Dr. Osamu Katou agreed to search the appropriate Japanese counterparts with Dr. Ishizaka for further discussion on the strait monitoring at the next AP-CREAMS meeting.

AGENDA ITEM 6

**FUTURE program**

Dr. Lobanov provided an update on the status of FUTURE program and its current activities. He is a FUTURE SSC member and liaison to AP-CREAMS. The members discussed possible ways for AP-CREAMS to be actively involved in the program.

AGENDA ITEM 7

**Next AP-CREAMS meeting**

The inter-sessional AP-CREAMS meeting will be held in late April ~ May 2017 at Toyama, Japan (hosted by Prof. Jing Zhang). AP-CREAMS will hold a ½-day business meeting at PICES-2017 in Vladivostok, Russia.

AGENDA ITEM 7

**Miscellaneous items**

Dr. Lobanov reviewed 2016 AP CREAMS activities that he will present at the FUTURE Mini-Symposium, and to the MONITOR and POC committees.

The meeting was closed at 19:00 November 4, 2016.



AP-CREAMS November 4, 2016 meeting participants (from left to right): Osamu Katou, Jae-Hak Lee, Hiroya Sugisaki, Dongfeng Xu, Kyung-Ryul Kim, Vyacheslav Lobanov, Yuri Zuenko, Hee-Dong Jeong, David Checkley and Fei Yu

*AP-CREAMS Endnote 1*

**AP-CREAMS participation list**

Members

David M. Checkley (USA)  
Hee-Dong Jeong (Korea)  
Osamu Katou (Japan)  
Kyung-Ryul Kim (Korea, Co-Chair)  
Jae-Hak Lee (Korea)  
Vyacheslav Lobanov (Russia, Co-Chair)  
Dongfeng Xu (China)  
Fei Yu (China, Co-Chair)  
Yury Zuenko (Russia)

Members unable to attend

China: Sumei Liu  
Japan: Joji Ishizaka (Co-Chair), Jing Zhang  
Korea: Kyung-Il Chang  
Russia: Pavel Ya. Tishchenko

Observers

Hiroya Sugisaki (Japan)

*AP-CREAMS Endnote 2*

**AP-CREAMS meeting agenda**

1. Opening remarks
2. Report and discussion on AP-CREAMS publications
  - 2.1 EAST-I: Supplementary Chapter of PICES NPESR 2003-2008
  - 2.2 EAST-II: Report on preparation of an overview
  - 2.3 Workshop for EAST-II
3. Brief national reports on activities and plans related to the CREAMS/PICES Program
4. Report and discussion on capacity building activities in 2016 and later
  - 4.1 Report from Nagoya University
5. Status report and discussion on international co-operation
6. Report on FUTURE program
7. Next AP-CREAMS meeting
8. Miscellaneous items
9. Closing