



**UNDP/GEF PROJECT ENTITLED “REDUCING ENVIRONMENTAL STRESS IN THE
YELLOW SEA LARGE MARINE ECOSYSTEM”**

UNDP/GEF/YS/RSP-PSC.6/4c
Date: 15 October 2009
English only

**Sixth Meeting of the Regional Scientific and Technical Panel
And Project Steering Committee
For the UNDP/GEF Yellow Sea Project
Xian, China, 17-19 November 2009**

Progress of Preparations for the Second Yellow Sea Regional Science Conference

Background

1. The Project organised the first *Regional Science Conference on Ecosystem Carrying Capacity of the Yellow Sea: Scientific Approaches for Marine Environment Management* in Hangzhou, China, 14-16 August 2007.
2. The first conference summarised the knowledge and information obtained from the project and provided new findings about the Yellow Sea. The conference covered a wide range of scientific research and monitoring activities implemented in the Yellow Sea, and produced useful knowledge and information following the completion of the Transboundary Diagnostic Analysis (TDA), linking it to the preparation of the Strategic Action Programme (SAP).
3. Following the completion of the SAP and demonstration projects supported by the project, more new knowledge and information will be generated in understanding the Yellow Sea marine environment and ecosystem, in particular the scientific knowledge applied to the management actions identified in the SAP.
4. Based on the successful experiences from the first conference, the *Second Yellow Sea Regional Science Conference* has been listed in the project's workplan since 2008, budget has been allocated, and the 5th PSC Meeting approved the activity. Due to time constraint and to ensure that the SAP demonstration activities would be completed with full results to report, this activity was postponed to spring 2010. Through consultation with the National Project Co-ordinators (NPC) and project focal agencies, the event's dates are **24th to 26th February 2010, in Xiamen, China.**
5. The objectives of the Second Regional Science Conference are to:
 - summarise knowledge and experience obtained through the project;
 - exchange scientific views and information;
 - discuss ecosystem-based approach for management;
 - identify emerging scientific issues, including the impacts of climate change on the Yellow Sea ecosystem; and

- provide scientific information for the final project summary.
6. The conference will transition the project from SAP development to SAP implementation, following the SAP's theme of implementing a science-driven ecosystem-based approach to maintaining carrying capacity of the Yellow Sea's ecosystem services. The conference will also provide material for a project wrap-up summary outcome, of which a "Summary Book" is proposed to be produced.
 7. The first conference focused on the current knowledge at the time and how the information could be used for better management to ensure that the ecosystem continues to provide services to maintain its carrying capacity. The second conference will encompass a more holistic view to managing the Yellow Sea, based on the concept of ecosystem-based management. Presentations will be given on ecosystem drivers and impacts; mechanisms of ecosystem change; implementation of science-based management; and governance and co-operation.

The Conference Organisation Progress-to-Date

8. Since May, the Project Management Office and ROK NPC have been developing the conference theme and programme and identifying speakers to invite. In July, the Conference's first announcement was distributed online, via e-mail, and by post. Invited speakers were contacted in September. Thus far, 30 of 34 invited speakers have confirmed their participation with nearly all providing a tentative talk title. A second announcement and draft conference programme was circulated in October (see Annex I).
9. There are still speaker slots available which will be decided by the Conference Organising Committee after evaluating submitted abstracts. Interested participants have until 15th December 2009 to submit an abstract.
10. It is preferred to convene a rather large conference this time consisting of participants from within and outside the region. This would lead to exchange of a wider range of scientific information, allow more people (particularly the younger scientists) to participate, and ensure active scientific discussion on the conference talks.

Participants of the 6th RSTP/PSC Meeting are invited to review the draft programme, and may wish to offer some suggestions on talk topics and speakers.

Additional sponsorship and support from countries and institutions for the event are highly welcome.

Annex I

Draft Programme for Second Yellow Sea Regional Science Conference

DAY 1 – 24TH FEBRUARY 2010

- 08:30 - 09:00 **REGISTRATION**
- OPENING CEREMONY**
- 09:00 – 09:05 Opening and Congratulatory Address From the Government of China
(Dr. Zhanhai Zhang, Director-General, SOA Department of International Co-operation, China)
- 09:05 - 09:10 Opening Remark From the Government of Republic of Korea
- 09:10 - 09:15 Opening Remark From the Government of Democratic People’s Republic of Korea
- 09:15 - 09:20 Welcome Speech of Local Host
- 09:20- 09:30 YSLME Project Manager's Address
(Mr. Yihang Jiang, UNDP/GEF Yellow Sea Project)
- 09:30 - 09:40 Group Photo
- KEYNOTE SPEECHES**
- 09:40 - 10:10 Recent Development and Findings from Large Marine Ecosystems for the Ecosystem-Based Approach to Address Management Requirements
(Dr. Kenneth Sherman, NOAA, USA)
- 10:10 - 10:40 Overview of the Achievements of the YSLME Project with Special Reference to the Ecosystem-Based Approach
(Mr. Yihang Jiang, UNDP/GEF Yellow Sea Project)
- 10:40 - 11:00 **Coffee Break**

SESSION 1: ECOSYSTEM DRIVERS AND IMPACTS

- 11:00 - 11:25 Physical Drivers
(Dr. Yeh)
- 11:25 - 11: 50 Primary production of the Yellow Sea
(Dr. Sinjae Yoo, KORDI, ROK)
- 11:50 - 12:15 Eutrophication in the Past 10 Years
(Dr. Joji Ishizaka, Nagoya University, Japan)
- 12:15 - 12:40 Coastal and estuarine habitat loss and gain – repercussions for economic and ecological goods and services
(Dr. Mike Elliott, Hull University, UK)
- 12:40 - 13:40 **Lunch**

SESSION 1: ECOSYSTEM DRIVERS AND IMPACTS (CONT'D)

- 13:40 - 14:05 Recent status of fisheries resources and ecosystem caused by overfishing in the Yellow Sea
(Dr. Jae-Bong Lee, ROK)
- 14:05 - 14:30 Recent warm climate change is good for Yellow Sea ecosystem
(Dr. San Bok Han, ROK)
- 14:30 - 14:55 TBD
(Dr. Fang Ke Ding, China)
- 14:55 - 15:20 Soc-economic drivers
- 15:20 - 15:40 **Coffee Break**
- 15:40 - 16:05 Contributed Paper 1
- 16:05 - 16:30 Contributed Paper 2
- 16:30 - 17:00 Discussion Led by Session Chairpersons
- 17:00 - 18:00 Poster Session
- 18:30 - 20:00 **Cocktail reception hosted by YSLME Project Management Office**

DAY 2 – 25TH FEBRUARY 2010**SESSION 2: MECHANISMS OF ECOSYSTEM CHANGE**

- 09:00 - 09:25 Relationship between phytoplankton and zooplankton in Gyung-gi Bay, Yellow Sea
(*Dr. Joong-Ki Choi, Inha University, ROK*)
- 09:25 - 09:50 Ecosystem dynamics and the challenge in science and management
(*Dr. Song Sun, IOCAS, China*)
- 09:50 - 10:15 An integrated ecosystem-based approach for assessing and forecasting impacts of fisheries
(*Dr. Chang Ik Zhang, NFRDI, ROK*)
- 10:15 - 10:40 Land reclamation, the economic development, and ecosystem health and function
(*Dr. Chulwan Koh, ROK*)
- 10:40 - 11:00 **Coffee Break**
- 11:00 - 11:25 Ecosystem modelling
(*Dr. Shin-ichi Ito, Japan*)
- 11:25 - 11:50 Contributed Paper 1
- 11:50 - 12:15 Contributed Paper 2
- 12:15 - 12:45 Discussion
- 12:45 - 13:45 **Lunch**

SESSION 3: SCIENCE-BASED MANAGEMENT

- 13:45 - 14:10 Fishery Resources, Fishery, and Future Prospect for the Yellow Sea Ecosystem
(*Dr. Xianshi Jin, YSFRI, China*)
- 14:10 - 14:35 Korean Fisheries Management Policy and The Effectiveness of Its Buyback Programs
(*Dr. Seong Kwaek Park, ROK*)
- 14:35 - 15:00 The development of IMTA in Sungo Bay
(*Dr. Jianguang Fang, YSFRI, China*)
- 15:00 - 15:25 Ultra-intensive shrimp culture under no water exchange condition
(*Dr. Inkwon Jang, WSMRC, ROK*)
- 15:25 - 15:45 **Coffee Break**
- 15:45 - 16:10 Status and Trend of Coastal Recreational Waters in Qingdao
(*Dr. Juying Wang, NMEMC, China*)

- 16:10 - 16:35 Monitoring and assessment of atmospheric loads in the Yellow Sea
(*Dr. Ziwei Yao, NMEMC, China*)
- 16:35 - 17:00 Monitoring and estimation of land-based nutrient loads in the Yellow Sea region-Methodology and case study
(*Dr. Zhifeng Zhang, NMEMC, China*)
- 17:00: 17:25 Temporal variation of jellyfish in the Yellow Sea and comparison of monitoring methods
(*Dr. Won Duk Yoon, NFRDI, ROK*)
- 17:25 - 18:15 Poster Session
- 18:30 **Dinner**

DAY 3 – 26TH FEBRUARY 2010

SESSION 3: SCIENCE-BASED MANAGEMENT (CONT'D)

- 09:00 - 09:25 Improving biodiversity conservation in Ganghwa Tidal Mud Flat, Korea
(*Dr. Gyung-Soo Park, Anyang University, ROK*)
- 09:25 - 09:50 Seagrass Bed, the Coastal Oasis of Yellow Sea
(*Dr. Xuelei Zhang, FIO, China*)
- 09:50 - 10:15 The community of phytoplankton in Yellow Sea and the impacts of human activities and climate changes on it
(*Dr. Zongling Wang, FIO, China*)
- 10:15 - 10: 40 Cost-benefit Analysis of Integrated Multi-trophic Aquaculture
(*Dr. Mingyuan Zhu, FIO, China*)
- 10:40 - 11:00 **Coffee Break**
- 11:00 - 11:25 Reducing Fishing Capacity in Yellow Sea: Lessons, Implications
(*Dr. Jung-Hee Cho, ROK*)
- 11: 25 - 11:40 Contributed Paper 1
- 11:40 - 12:05 Contributed Paper 2
- 12:05 - 13:00 Discussion
- 13:00 - 14:00 **Lunch**

SESSION 4: GOVERNANCE AND CO-OPERATION

- 14:00 - 14:25 YS LME Commission: Issues and Prospects
(*Dr. Suh Yong Chung, Korea University, ROK*)
- 14:25 - 14:40 Sea Use Law
(*Dr. Haiqing Li, SOA, China*)

- 14:40 - 15:05 One Step At A Time: Overcoming Challenges to Conservation in The Yellow Sea
(Mr. Nial Moores, Birds Korea, ROK)
- 15:05 - 15:30 Financial sustainability
- 15:30 - 15:55 **Coffee Break**
- 15:55 - 16:15 Requirements for Wider Partnership in Ecosystem Based Management, Especially the Role of NGOs
(Mr. Sadayosi Tobai, WWF Japan, Japan)
- 16:15 - 16:40 Contributed Paper
- 16:40 - 17:10 Discussion - Led by Session Chairperson
- 17:20 - 18:00 **SESSION 5: SUMMARY & DISCUSSION**
Dr. Sinjae Yoo, Chairperson, Conference Organising Committee, KORDI, ROK
- 18:00 - 18:45 Poster Session
- 19:00 **Dinner**