



UNDP/GEF PROJECT ENTITLED "REDUCING ENVIRONMENTAL STRESS IN THE
YELLOW SEA LARGE MARINE ECOSYSTEM"

First Yellow Sea Regional Science Conference

Ecosystem Carrying Capacity of the Yellow Sea: Scientific Approaches for Marine Environment Management

*Da Hua Hotel
Hangzhou, China, 14th-16th August 2007*

CONFERENCE PROGRAMME

DAY 1 – 14TH AUGUST 2007

8:30 - 9:00 **REGISTRATION**

09:00 – 09:30 **OPENING CEREMONY**

Opening and Congratulatory Address From the Government of China
(*Dr. Haiqing Li, Director-General, SOA Department of International Co-operation, China*)

Opening Remark From the Government of Republic of Korea
(*Dr. Young-Shil Kang, Senior Scientist, NFRDI, ROK*)

Welcome Speech of Local Government
(*Mr. Jia Biao Li, Deputy Director, SOA 2nd Institute of Oceanography, China*)

YSLME Project Manager's Address
(*Mr. Yihang Jiang, UNDP/GEF Yellow Sea Project*)

9:25 - 9:30 Group Photo

KEYNOTE SPEECHES

CHAIRPERSON - DR. HYUNG-TACK HUH

9:30 – 9:55 Concept of Ecosystem Carrying Capacity for Marine Ecosystem Management
(*Dr. Sinjae Yoo, KORDI, ROK*)

9:55 – 10:20 Physical Environment Supporting Carrying Capacity of Ecosystem in the Yellow Sea
(*Dr. Fangli Qiao, FIO, China*)

10:20 – 10:45 Lessons Learned from Benguela LME
(*Ms. Maria de Lourdes Sardinha, BCLME*)

10:45 - 11:05 **Coffee Break**

SESSION 1: YELLOW SEA ECOSYSTEM'S PROVISIONING SERVICES

CHAIRPERSON - DR. MARK WALTON

11:05 – 11:30 Variations of Commercially Important Fishery Resources in the Yellow Sea
(*Dr. Xianshi Jin, YSFRI, China*)

11:30 – 11:55 Status and Management Issues of Fisheries in the Yellow Sea
(*Dr. Jang-Uk Lee, Pukyung National University, ROK*)

11:55 – 12:20 Disease Control and Prevention in Mariculture
(*Dr. Soo-il Park, Pukyung National University, ROK*)

12:20 - 13:30 **Lunch**

SESSION 1: YELLOW SEA ECOSYSTEM'S PROVISIONING SERVICES (CONT'D)

CHAIRPERSON - DR. YOUNG-SHIL KANG

- 13:30 - 13:55 Case Study of Sustainable Mariculture in Sungo Bay
(Dr. Jianguang Fang, YSFRI, China)
- 13:55 - 14:15 Review of Mariculture Activities for the Last Decade in the Yellow Sea Coast of South Korea
(Dr. In Kwon Jang, West Sea Mariculture Research Center, NFRDI, ROK)
- 14:15 – 14:35 Challenges to Deep Sea Aquaculture in Korea
(Dr. Dong-Oh Cho, Korea Maritime Institute, ROK)
- 14:35 - 15:05 Discussion - Led by Session Chairpersons
- 15:05 – 15:25 **Coffee Break**

SESSION 2: SUPPORTING & REGULATING SERVICES OF ECOSYSTEM IN THE YELLOW SEA

CHAIRPERSON - DR. HAIQING LI

- 15:25 - 15:50 Variation of Community Structure at Lower Trophic Levels in the Yellow Sea
(Dr. Mingyuan Zhu, FIO, China)
- 15:50 - 16:15 Jellyfish Bloom in the Northwest Pacific: Current Status and Environmental Impacts
(Dr. Shin-ichi Uye, Hiroshima University, Japan)
- 16:15 - 16:40 Regional Status of Nutrient Inputs and Distribution in the Yellow Sea
(Dr. Quan Wen, NMEMC, China)
- 16:40 - 17:05 Retrospective Eutrophic Assessment and Hot Spots in the Yellow Sea
(Dr. Hak-Gyoon Kim, Pukyung National University, ROK)
- 17:05 - 17:30 Emergy Approach in Determining the Carrying Capacity of Ecosystems
(Dr. Daeseok Kang, Pukyung National University, ROK)
- 17:30 - 18:00 Discussion - Led by Session Chairperson
- 18:15 - 19:30 **Cocktail reception hosted by YSLME Project Management Office**

DAY 2 – 15TH AUGUST 2007

SESSION 2: SUPPORTING & REGULATING SERVICES OF ECOSYSTEM IN THE YELLOW SEA (CONT'D)

CHAIRPERSON - DR. MINGYUAN ZHU

- 09:00 – 09:20 The Study on the Influence of Yellow Dust to the Physioecology of Microbial Community
(Dr. Joong Ki Choi, Inha University, ROK)
- 09:20 – 09:40 Nitrogen and Phosphorus Loading in 5 Estuaries to the Yellow Sea During the Past 20 Years, Jiangsu Province, China
(Ms. Ping Zuo, Nanjing University, China)
- 09:40 – 10:00 Atmospheric Depositions to the Yellow Sea
(Dr. Su Mei Liu, Ocean University of China)
- 10:00 - 10:20 Water Quality's Current Status and Long Term Change Characteristics of Sungo Bay, China
(Dr. Jihong Zhang, YSFRI, China)
- 10:20 - 10:40 **Coffee Break**
- 10:40 – 11:00 Overview on "The Co-operative Environmental Research in the Yellow Sea between Korea and China"
(Dr. Kyoung Ho An, WSFRI, ROK)
- 11:00 - 11:20 The Endangered Aquatic Species and Biodiversities Conservation of The Yellow Sea LME Area in China
(Dr. Yamin Wang, Shandong University-Weihai, China)
- 11:20 - 12:00 Discussion - Led by Session Chairpersons
- 12:00 – 13:30 **Lunch**

SESSION 3: CULTURAL SERVICE OF ECOSYSTEM IN THE YELLOW SEA

CHAIRPERSON - DR. SHIN-ICHI UYE

- 13:30 – 13:55 Critical Habitats for Biodiversity in the Yellow Sea and Their Ecosystem Services
(Dr. Sadayosi Tobai, WWF-Japan)
- 13:55 – 14:20 Educational Opportunities Offered by Marine Ecosystem
(Ms. Ming Yu, Ocean University of China)
- 14:20 – 14:45 Marine Tourism in Yellow Sea Region in Korea
(Dr. Sung-Gwi Kim, KMI, ROK)

- 14:45 - 15:00 **Coffee Break**
- 15:00 – 15:20 The Yellow Sea Ecoregion Planning Programme (2002-2006): Approach, Results, and Value to Region-wide Trans-boundary Conservation
(*Mr. Songlin Wang, WWF China Programme Office, China*)
- 15:20 - 15:40 Ecologically Important Areas for Waterbirds in Yellow Sea
(*Dr. Seonghwan Pae, KIMST, ROK*)
- 15:40 – 16:10 Discussion - Led by Session Chairperson
- 16:10 – 16:25 **Break**
- SESSION 4: GOOD MANAGEMENT**
CHAIRPERSON -MR. ISAO ENDO
- 16:25 – 16:50 A Pragmatic Approach to the Sustainable Management of LMEs
(*Dr. Di Jin, Woods Hole Oceanographic Institution, USA*)
- 16:50 - 17:15 Improving Regional Governance to Protect the Marine Environment in the Yellow Sea Region
(*Dr. Suh-Yong Chung, Myongji University, ROK*)
- 17:15 - 17:40 Cost and Benefit Analysis of Management Actions (Mariculture as an example)
(*Ms. Jingmei Li, Ocean University of China*)
- 18:00 - 19:30 **Dinner**

DAY 3 – 16TH AUGUST 2007

SESSION 4: GOOD MANAGEMENT (CONT'D)

CHAIRPERSON - DR. SUH-YONG CHUNG

09:00 – 09:25 Marine Ecosystem Asset and Its Service
(Ms. Wei Zheng, FIO, China)

09:25 – 09:45 Major Trends of Activity for River Basin and Coastal Area Management
Within UNEP Northwest Pacific Action Plan ((NOWPAP) for Nature
Protection
(Dr. Anatoly Kachur, NOWPAP POMRAC, Russia)

09:45 – 10:15 Discussion - Led by Session Chairpersons

10:15 – 10:35 **Coffee Break**

10:35 – 10:55 **SESSION 5: CONFERENCE SUMMARY**

*Dr. Sinjae Yoo, Chairperson, Conference Organising Committee, KORDI,
ROK*

11:00 - 12:00 **SESSION 6: POSTER VIEWING SESSION**

The Effect of Marine Sand Mining on Biological Communities in the
Gyeonggi Bay
(Dr. Kyung Nam Han, Inha University, ROK)

Zooplankton Distribution, Abundance and Biomass Relative to Oceanographic
Condition in the Yellow Sea
(Dr. Young-Shil Kang, Dr. Seung Heo, Dr. Hyungchul Kim, NFRDI, ROK)*

Using Nv-shuttle to Study Detailed Environmental Structure in the Yellow Sea
in Spring
(Dr. Mingyuan Zhu, Dr. Xinming Pu, Dr. Zongjun Xu, FIO, China)*

The Seasonal Variation of Grazing Pressure by *Acartia hongii* female
(copepoda:calanoida) on Phytoplankton in Gyeonggi Bay, Korea
(Dr. Ji-Ho Seo, Dr. Joong Ki Choi, Inha University, ROK)*

1. Analysis on Monitoring Status of Marine Environment and its Protection
Strategy in Shandong Province
2. Study on Environment Protection of Marine Construction Project
(Mr. Ennian Xie, Mr. Yu Wei, Shandong Province, China)

The Preliminary Study on Effect of Asian Dust on Phytoplankton Community
in Yellow Sea in Spring
(Dr. Zongjun Xu, Dr. Mingyuan Zhu, Dr. Ruixiang Li, FIO, China)*

Origin of Organic Matter in Yellow Sea
(Ms. Suk-Hee Yoon, Hanyang University, ROK)

Technology and Practice of Marine Delimitation of Nantong City Jiangsu
Province
(Mr. Haijian Zhang, Nanjing Province, China)

The UNDP/GEF Yellow Sea Project
(Project Management Office)

Potential Priority Areas in Yellow Sea Ecoregion
(WWF-China / WWF-Japan)

12:00 – 13:15	Lunch
13:30 – 16:30	Field Trip around Hangzhou's famous West Lake
18:00 - 19:30	Dinner