



Second Circular

EMECS 8 International Conference

Call for Abstract

Shanghai, October 27 – 30, 2008

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Harmonizing River Catchment and Estuary

In many parts of the world there are bodies of water that are almost entirely enclosed by land. However, exhibiting unique combinations of saline and fresh waters, these bodies of water are called enclosed coastal seas (estuary). Examples include the North Sea and the English Channel, the Mediterranean Sea, the Baltic Sea in Europe, Chesapeake Bay in the United States of America, the Gulf of Thailand, the Bo Hai in northern China and the Seto Inland Sea in Japan. Since ancient times, enclosed coastal seas have been known for their great scenic beauty and abundant productivity. However, enclosed coastal seas are difficult places to conserve and improve water quality, because pollutants tend to accumulate easily due to poor exchange of water with open water bodies. In order to exchange information on the measures to conserve and create coastal seas, the world's first International Conference on the Environmental Management of Enclosed Coastal Seas (EMECS 1) was held in the city of Kobe, Japan in 1990. Due to the success of the 2nd conference (EMECS 2) in Maryland, U.S.A in 1993 and subsequent activities, the International EMECS Center was established in Kobe in 1994. EMECS is now recognized internationally, and activities in which scholars, government officials, industry representatives and private organizations work together to solve problems in enclosed coastal seas are now referred to as EMECS activities. Another key concept for EMECS in both international and academic circles is 'governance' meaning comprehensive and joint management of enclosed coastal sea environments.

The EMECS 8 calls for its theme: 'Harmonizing River Catchment and Estuary' which is proposed on the basis of the rapid growing Asian economy that inevitably gives rise to intensifying modification between river catchment and estuary. This example can also apply to any analogue of the world, where the EMECS 8 conference theme should be used for ecosystem safety. Like all other conference, EMECS 8 is to provide a forum to all participants, including natural and social scientists, administrators, government officers, and younger students, to interact each other to work out a better understanding of how to minimize potentiality of the environmental risk. This is pursuing a harmonizing society with global concept of environmental conservation.

Conference Themes:

- Environmental Vulnerability Under Global Warming Setting
 - Estuarine vulnerability and environmental policy modification
 - Coastal urbanization – urban river change and recovery
 - Hazardous assessment – centennial and decadal scale
 - Integrated river management on structure and functions

- Integrated Catchment-Coastal Zone Management
 - Water quality, total load controls and management
 - Coastal lake water environment and countermeasures
 - Integrated coastal zone management and future perspective
 - Policy modification and regulatory innovations

- Landcover Changes: from Catchment to Coastal Seas
 - Large river input into the estuarine seas – processes and response
 - Ecological, hydrological, geochemical and biological processes
 - Anthropogenic impacts of catchment on deltas and estuaries
- New Approaches:
 - Remote sensing and GIS applications
 - Interdisciplinary method and processes
 - Public/Private Partnerships in Coastal Management
 - Monitoring and modeling
- Social Responsibility and Awareness
 - Public education and involvement
 - Community based environmental initiatives
 - Pre-college, undergraduate, and graduate student participation

Organized by:

East China Normal University
 Chinese Research Academy of Environmental Sciences (CRAES), SEPA
 International EMECS Center

Assisted by:

National Natural Science Foundation, China
 Science and Technology Commission of Shanghai Municipality
 State Environmental Protection Administration (SEPA)
 State Ocean Administration (SOA)
 Changjiang Water Resources Commission (CWRC)
 Chinese Academy of Sciences (CAS)

Supported by (Alphabetically):

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 Tongji University, Shanghai
 Third Institute of Oceanography, Xiamen, SOA
 Yantai Institute of Coastal Zone Research for Sustainable Development, CAS
 Xiamen University, Xiamen
 WWF – Shanghai Office

Conference Date:

October 27 – 30, 2008 (with field trip after the conference)

Conference venue:

Shanghai China

Shanghai Everbright Convention & Exhibition Centre International Hotel (No. 88, Caobao Rd., Shanghai). Details see <http://www.ebhotel.com>

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Prof. Zhongyuan CHEN, East China Normal University, China

Conference Secretary General:

Prof. Zhongyuan CHEN, East China Normal University, China

Keynote Speech

"Watersheds and Coral Reefs: Conservation Science, Policy and Implementation" by Prof. [Robert H. Richmond \(presenter\)](#), Kewalo Marine Laboratory, University of Hawaii at Manoa.

"Biogeochemistry on the continuum from watersheds to the continental margin: Case Studies from China" by Prof. [Jing Zhang \(presenter\)](#), State Key Laboratory of Estuarine and Coastal Research, East China Normal University, China.

"North-western European seas: how to restore damaged coastal marine habitats?" by Prof. [Jean-Paul Ducrotoy \(presenter\)](#), Institute of Estuarine and Coastal Studies, The University of Hull, UK.

"Recent Results of Ocean Remote Sensing Research for Global Climate Change" by Dr. [Xiao-Hai Yan \(presenter\)](#), College of Marine and Earth Studies, University of Delaware, USA.

"The impacts of climate change and rapid economical development in China on the ecosystem in the Changjiang estuary and in the East China" by Dr. [Masataka Watanabe \(presenter\)](#), Faculty of Environment and Information Studies, Keio University, Japan.

Sessions:

(Please mark your presentation choices while registering through the conference homepage at: <http://www.emecs-8.ecnu.edu.cn>)

Session 1

Theme: Catchment-Coastal Environmental Vulnerability under Global Warming Setting

Co-convener:

Prof. Maciej ZALEWSKI mzal@biol.uni.lodz.pl (UNESCO-ERCE)

Dr. Jane T. NISHIDA jnishida@worldbank.org (World Bank)

Session 2

Theme: Policies to address ecological and social risks in an Integrated Coastal Management framework

Co-convener:

Dr. E. WOLANSKI e.wolanski@aims.gov.au (AU)

Dr. Yunxuan ZHOU zhouyx@sklec.ecnu.edu.cn (China)

Invited speakers (tentative title of presentation, authors, affiliation):

- (1) "Management of endangered mangrove coasts and human health: a proposed comparison of cholera dynamics in the Sundarban and Amazonian regions" by Rubén LARA (presenter), Sucharit NEOGI, Sirajul ISLAM, Shinji YAMASAKI & Balakrish NAIR, Zentrum für Marine Tropenökologie, Fahrenheitstr. 6, 28359 Bremen, Germany.
- (2) "Estuarine and Coastal Zone Ecohydrology" by Eric Wolanski (presenter), FTSE, FIE Aust, ACTFR, James Cook University, and Australian Institute of Marine Science Townsville, Qld., Australia.
- (3) "Watersheds and Coral Reefs: Conservation Science, Policy and Implementation" by Robert H. Richmond (presenter), Kewalo Marine Laboratory, University of Hawaii at Manoa.

- (4) "Catchment pollutant discharge to the Great Barrier Reef: Risk, sources and management" by Brodie, J. (presenter), Bainbridge, Z., Lewis, S., Devlin, M., Waterhouse, J., Haynes, D.. Australian Centre for Tropical Freshwater Research, James Cook University, Townsville, Australia.

Session 3

Theme: Large River Dialogs - Water Quality, Total Load Controls and Management

Co-convener:

DR. JAMES G. WIENER wiener.jame@uwlax.edu (US)

Dr. Wen YUAN wuyuan@admin.ecnu.edu.cn (China)

Invited speakers (tentative title of presentation, authors, affiliation):

- (1) "Riverine and wetland influences on methylmercury contamination of the aquatic food web in nearshore environments of Chequamegon Bay (Lake Superior, Wisconsin, USA)," by Kristofer R. Rolfhus (presenter), Jacob M. Ogorek, Roger J. Haro and James G. Wiener, University of Wisconsin-La Crosse, 1725 State Street, River Studies Center, La Crosse, Wisconsin 54601, USA.
- (2) "Watershed influences on fluvial and internal loadings of methylmercury in near-shore marine systems," by Chad R. Hammerschmidt (presenter), Wright State University, Department of Earth and Environmental Sciences, 3640 Colonel Glenn Highway, Dayton, Ohio 45435, USA.
- (3) "Water quality in the Upper Mississippi River: historic trends, present status, and emerging concerns," by James G. Wiener (presenter) and Mark B. Sandheinrich, University of Wisconsin-La Crosse, River Studies Center, 1725 State Street, La Crosse, Wisconsin 54601, USA.
- (4) "Mississippi River, Nutrient Loads, and Coastal Hypoxia in the Northern Gulf of Mexico — An Enclosed Coastal Sea" by Nancy N. RABALAIS (presenter), Louisiana Universities Marine Consortium, Chauvin, LA 70344 USA.
- (5) "Is the Three Gorges Dam changing the biogeochemistry of Yangtze River?" by Ying Wu (presenter), Jing Zhang, SM Liu, Shilun Yang, State Key Laboratory of Estuarine and Coastal Research, East China Normal University, 20062, Shanghai, P.R. China.

Session 4 (China-Korea-Japan sessions)

Theme - Regional Seas – Ecological Health

Tri-convener:

Dr. Kaiqin XU joexu@nies.go.jp (Japan)

Dr. Lida WENG wengld@ywrp.gov.cn (China)

Dr. Hi-Il YI hilee@kordi.re.kr (Korea)

Dr. Binhui ZHENG zhengbh@craes.org.cn (China)

Dr. Jean-Paul DUCROTOY j-p.duc@wanadoo.fr (France)

Session 5 (LOICZ session)

Theme: Institutional models for Regional Collaboration in coastal Science and Management

Co-convener:

Prof. PIN Shi pshi@yic.ac.cn (China)

Dr. O.Matsuda matsuda036@go3.enjoy.ne.jp (Japan)

Dr. Chang-Hee Lee changhee@mju.ac.kr (Korea)

Invited speakers (tentative title of presentation, authors, affiliation):

- (1) “Regional Collaboration on Coastal Environmental Monitoring and Assessment in the Northwest Pacific Action Plan (NOWPAP)” by Osamu MATSUDA (presenter), Graduate School of Biosphere Sciences, Hiroshima University (Professor Emeritus), Higashi-Hiroshima, 739-8528, Japan.

Session 6 (IGCP475 – APN session)

Theme: Megadeltas Landform Changes and Coastal Hazardous Assessment

Co-convener:

Dr. Yoshiki SAITO yoshiki.saito@aist.go.jp (Japan)

Dr. Steven Goodbred steven.goodbred@vanderbilt.edu (US)

Session 7 (Sato-Umi session)

Theme: New concept that increases biological productivity and biodiversity

Convener

Prof. Tetsuo YANAGI tyanagi@riam.kyushu-u.ac.jp (Japan)

Invited speakers (tentative title of presentation, authors, affiliation):

- (1) “Definition of Sato-Umi”, by T.Yanagi (presenter), Kyushu University, Japan .
- (2) “Resolving Oyster Conflicts in the Chesapeake Bay: The Concept of Sato-Umi”, by J.Greer (presenter), Maryland Sea Grant College, University System of Maryland, USA.
- (3) “Managing eutrophication in megatidal estuaries in North-Western Europe through Integrated Coastal Zone Management”, by J.P.Decrotoy (presenter), University of Hull, U.K.
- (4) “National Initiative on Environment Management in Coastal Area of Korea”, by W.K. Chang (presenter), Korea Maritime Institute, Korea.
- (5) “Development of integrated multi-trophic aquaculture in China”, by J.Fang (presenter), Yellow Sea Fisheries Research Institute, Chinese Academy of Fisheries Science, China.
- (6) “Silvo- aquaculture: an ecosystem based management for sustainable coastal aquaculture in Thailand”, by P. Songsangjinda (presenter), Coastal Aquaculture Research Institute, Department of Fisheries, Thailand.
- (7) “Sasi laut: History and its role of marine coastal resource management”, by B.Mosse (presenter), Pattimura University Ambon, Indonesia.

Session 8 (Student session)

Theme: Teaching and Learning about the Environment to Benefit People and Nature

Tri-convener:

Prof. Wayne H. BELL wbell2@washcoll.edu (US)

Dr. Qi ZHANG qzhang@geo.ecnu.edu.cn (ECNU)

Prof. Hiroshi KAWAI kawai@kobe-u.ac.jp (Japan)

Poster session (poster board frame size: *100 x 120 cm*)

Special session (Business and Technology session)

Theme: Technology transfer for the environmental restoration of coastal seas

Convener

Prof. Hideki UESHIMA ueshima@cc.it-hiroshima.ac.jp (Japan)

Publication:

Conference proceedings will be organized after the conference. Special issues on International Journals of Estuarine, Coastal and Shelf Science, Geomorphology, and others will be organized (details will be further provided).

Field trip:

Pre- and post-conference field trips are being organized. Details can be viewed at: <http://www.emecs-8.ecnu.edu.cn>

Language: English

Registration and Payment:

US\$ 250/participant, regular registration on or before March 15, 2008,

US\$ 300/ participant, after March 15, 2008,

US\$ 50/student, regular registration on or before March 15, 2008,

US\$ 70/student, after 15 March 2008, *** US\$ 150 per accompanying person, regular registration on or before March 15, 2008,

*** US\$ 200 per accompanying person, after 15 March 2008.

Registration fee covers 2 conference dinners, conference documents, 4 lunch meals, and snack + coffee.

Registration should be completed through: <http://www.emecs-8.ecnu.edu.cn>

Cancellation Policy:

Cancellation of registration should be notified by writing to the Secretariat by e-mail.

Cancellation on or before 1st May 2008: full refund.

Cancellation on or before 1st August 2008: 50% refund.

Cancellation after 1st August 2008: no refund.

Visa:

Those who need visa to China please fill in the form downloadable at <http://www.emecs-8.ecnu.edu.cn> , and send it to: Z.Chen@ecnu.edu.cn or Fax: 86-21-62232416.

Accommodation:

Different hotel rates are provided for your choices through: <http://www.emecs-8.ecnu.edu.cn>

Financial Funding Application:

A limited amount of funds is available for those from developing countries. Intended participants should write to Dr. Zhongyuan CHEN at: Z.Chen@ecnu.edu.cn and Dr. Masataka WATANABE at: masawata@sfc.keio.ac.jp , together with your abstract, one-page CV and registration information (downloadable: <http://www.emecs-8.ecnu.edu.cn>). Partial funding support seems mostly encouraged and priority will be given to those early birds.

Contact us:

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Important Dates:

First circular: August 31, 2007

Second circular: December 15, 2007

Abstract submission deadline: May 30, 2008

Financial funding application: March 15, 2008

Announcement of financial support, April 30, 2008

Registration: Regular - March 15, 2008, but extended to September 30, 2008

Third circular: August 31, 2008