



## **2nd Announcement and Call for Abstracts**

**Extended Deadline for Abstract Submissions:  
31 May, 2011**

**2011 LOICZ  
Open Science Conference**

**Coastal Systems, Global Change and Sustainability**

**12-15 September, 2011  
Yantai, China**

**[www.loicz-osc2011.org](http://www.loicz-osc2011.org)**

**Organised by  
Land-Ocean Interactions in the Coastal Zone (LOICZ),  
hosted at the Helmholtz-Zentrum Geesthacht, Centre for Materials and Coastal  
Research, Germany  
and the  
Yantai Institute of Coastal Zone Research, China**

**Deadline for Abstract Submissions extended !!!**

**31 May, 2011**

**Oral Presentation, Poster and Paper Acceptance Notification by 15 June, 2011**

**The aim of the LOICZ OSC 2011** on “Coastal Systems, Global Change and Sustainability” is to bring together the international research community working on land-ocean issues, show-case the width and scope of ongoing research, help to build a community in this highly interdisciplinary field, and to inspire new research, theory building and applied science. The conference is integrative in nature, amalgamating different experiences and disciplinary “angles” worldwide to generate new levels of understanding and improve decision making in policy and practice. LOICZ particularly invites innovative approaches, coastal practitioners and early-stage researchers to a special forum parallel to the conference, the Young LOICZ Forum (YLF). The YLF is a well-balanced combination of OSC sessions and specific targeted activities for early-career scientists and young coastal managers, including training workshops and practical exercises. It brings together senior scientists, international organisations, early-career scientists and young coastal managers (<http://www.loicz-osc2011.org/page.asp?id=85>).

The LOICZ OSC is arranged around the overarching topic on “Coastal vulnerability and sustainability to support adaptation to global change”. Underlying the scientific scope of the conference are recent global discussions of the scientific community on future challenges for Earth system sciences that have been initiated by ICSU’s visioning process (<http://www.icsu-visioning.org>) and are reflected in five grand challenges (forecasting, observing, confining, responding, innovating). These challenges connect to a conclusion by some of the major research funding agencies (the Belmont Forum) putting priority future focus on the vulnerability of coastal systems. In light of this global discourse, LOICZ invites contributions to the following scientific themes and encourages the study of vulnerability, dynamics and resilience of land-ocean systems at local, regional and/or larger scales:

- Social-Ecological Systems and Scales,
- Vulnerability and Resilience,
- Adaptive Capacity and Mechanisms,
- Spatial/Temporal Scales,
- Earth Observation and Monitoring,
- Assessing, Modelling and Scenario Building,
- Coastal Economics, Ecosystem Goods & Services,
- Science-Practice-Policy Interface and Knowledge Transfer,
- Coastal Governance,
- River-Mouth Systems,
- Small Island Developing States,
- Arctic Coastal Zones,
- Coastal Urbanization.

## **Session Outline in detail (status, 21 April, 2011)**

### ***Track A: Social-Ecological Systems and Scales***

A1: Linking Regional Dynamics in Coastal and Marine Social-ecological Systems to Global Sustainability: M. Glaser & B. Glaeser

A2: Arctic Coastal Processes, Peoples and Societies (Physical, Ecological and Socio-Economic Perspectives): J.N. Larsen & V. Rachold  
(Launching Session for future LOICZ Research Hotspot)

A3: Changing Land Use in the Coast: Present and Future: M. Yamamuro

A4: Small Island Developing States: B.M.W. Ratter & D.L. Forbes  
(Launching session for future LOICZ Research Hotspot)

A5: Marine Spatial Planning: Challenges, Constraints and Opportunities: A. Kannen

A6: Ecosystem Goods and Services and Environmental Economics: J. Roy

A7: Coastal and Marine Sectors: Managing Change: V. Cummins, A. M. O'Hagan & V. O'Donnell

### ***Track B: Fluxes and Biogeochemistry***

B1: Nutrient Accounting in Coastal Waters and Watersheds: D. Swaney

B2: Catchment-Estuary – Nature and Human Interaction: Z. Chen & Y. Saito

B3: Observation, Monitoring and Modeling: R. Laane & F. Colijn

B4: Estuarine and Coastal Ecohydrology: E. Wolanski & L. Chicharo

B5: Eutrophication, Hypoxia and Algal Blooms: A. Newton & S. Shumway

B6: Coastal Biogeochemical Cycles and Climate Change: S. Seitzinger & C.T.A. Chen

### ***Track C: Coastal Vulnerability and Governance***

C1: The Governance Dimensions of Global Change in Coastal Ecosystems: S. Olsen

C2: Megacities and Resilience in the Coastal Zone: M. Pelling & B. Glavovic  
(Launching Session for future LOICZ Research Hotspot)

C3: Coastal Hazards, Vulnerability, and Adaptation: B. Glavovic & R. Ramesh

C4: Bridging the Science-Policy Gap: T. Carruthers & D. Bailly

C5: The Impact of Large Scale Urbanization to Regional Monsoon Climate: L. Ai (Organized by MAIRS)

C6: Risk Governance for very large-scale Coastal Disasters in Asia: Q. Ye (Organized by IRG)

### ***Track D: Case studies and Method Application***

D1: Plant biodiversity in coastal zone area and intensive utilization: S. Qin, Sung-Min Boo & P. Ang

D2: Case studies of long term change or stability in coastal ecosystems: J. Keesing & P. Thompson

D3: Coastal eco-environments from a microbial perspective: C. Dupuy & J. Gong

D4: The application of remote sensing and GIS in coastal zone: M. Lynch & C. Zhou

D5: The application of isotope to track pollution source from land to ocean: P. Richard & J. Zhang

D6: Climate Extremes and Carbon Biogeochemistry in Large-River Delta-Front Estuaries: M. Dai, T.S. Bianchi & J. Gan

D7: Estuaries and Coastal Seas: Interactions, Fronts and Climate: D. Wang, W. Gong & I.M. Belkin

## **We welcome**

- Oral presentations: that feature state-of-the-art science, practical experience, and advanced decision making and governance;
- Posters: that illustrate coastal research and practical applications addressing the OSC themes.

## **Process of Submission**

All submissions will be subject to a double-blind review process, and will be published in an edited collection of the conference proceedings, which will be distributed at no additional costs to registrants at the OSC. Authors are invited to submit abstracts, preferably in MS Word. Abstracts are also required for poster presentations.

**For instructions please visit:**

**<http://www.loicz-osc2011.org/page.asp?id=77>**

All authors are kindly required to indicate the thematic session to check their presentation oral or poster contributes. This information must be provided during the upload procedure of the abstract submission.

**Please submit abstract online at the conference website:**

**<http://www.loicz-osc2011.org/submission/guide.asp>**

## **Process of Selection**

Session conveners and co-conveners supported by the international scientific organising committee will evaluate abstracts based on scientific quality and relevance. Conveners and co-conveners will notify authors of the acceptance of their submission and whether the presentation will be preferred in oral or poster format. Submissions received after the deadline will not be considered unless an extension has been granted by the conference organisers.

Please feel encouraged to forward this Announcement to other interested parties.

### **Important Dates:**

**Online Registration: open | Abstract and paper submission: open till 31 May, 2011 | Session proposals: closed  
Oral presentation, poster and paper acceptance notification: 1 July, 2011**

## **International Scientific Committee**

### **Denis Bailly**

Institut Universitaire Européen de la Mer, Centre IFREMER de Bretagne, Université de Bretagne Occidentale, Brest, France

### **Kate Brown**

University of East Anglia, Faculty of Social Sciences, UK

### **Loke Ming Chou**

Department of Biological Sciences, National University of Singapore, Singapore

### **Mike Elliot**

Institute of Estuarine and Coastal Sciences, Hull, United Kingdom

### **Jan Harff**

Institute of Marine and Coastal Sciences, University of Szczecin, Poland

### **Huasheng Hong**

State Key Laboratory of Marine Environmental Science, Xiamen University, China

**Pavel Kabat**

Environmental Sciences Group, Group Earth System Science and Climate Change (ESS CC), Wageningen University and Research Centre, The Netherlands

**John Keesing**

CSIRO Division of Marine and Atmospheric Research, Australia

**Andrey Kostyanoy**

P.P. Shirshov Institute of Oceanology, Russian Academy of Sciences, Russia

**Drude de Lacerda**

Universidade Federal do Ceará, Instituto de Ciências do Mar – LABOMAR, Fortaleza, Brazil

**Karen Limburg**

ESF State University of New York, College of Environmental and Forest Biology, USA

**Yonglong Lu**

Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, China

**Gordon McBean**

Institute for Catastrophic Loss Reduction, Departments of Geography and Political Science, The University of Western Ontario, Canada

**Elena Nikitina**

Russian Academy of Sciences, Moscow, Russia

**Magnus Ngoile**

Agulhas and Somali Current Large Marine Ecosystems (ASCLME) Project, Policy and Governance Coordinator, Grahamstown, RSA

**Jozef Pacyna**

Center for Ecological Economics, Norwegian Institute for Air Research, Norway

**Nancy Rabalais**

Louisiana Universities Marine Consortium, DeFelice Marine Center, Louisiana, USA

**Ivonne Milichristi Radjawane**

Bandung Institute of Technology, Indonesia

**Kathrerine Richardson**

Center for Macroecology, Evolution and Climate, University of Copenhagen, Denmark

**Robert H. Richmond**

Pacific Biosciences Research Center, Kewalo Marine Laboratory, University of Hawaii, USA

**Yoshiki Saito**

Institute of Geology and Geoinformation (IGG), Geological Survey, Japan

**Karen Seto**

School of Forestry & Environmental Studies, Yale University, New Haven, USA

**Maria Snoussi**

Faculté des Sciences, Université Mohamed V-Agdal, Rabat, Maroc

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***LOICZ – Land-Ocean Interactions in the Coastal Zone***

***Working to support sustainability and adaptation to global change in the coastal zone***

***[www.loicz.org](http://www.loicz.org)***