Liège, May 4 - 8 2009

41st International Liège Colloquium on Ocean Dynamics

Register online and send abstracts:
http://modb.oce.ulg.ac.be/colloquium/

Science-based management of the coastal waters

Topic

Coastal zones accommodate more than 60 % of the world's population, provide major sources of food and raw materials, form a vital link for transport and trade, support an intense economic activity, offer recreational opportunities and support countless unique ecosystems. Most coastal zones suffer however from frequent conflicts between these uses. The global change perspective raises also specific issues. All major national and international environmental agencies have therefore set up programmes to support the Integrated Coastal Zone Management (ICZM).

Many contaminants (metals, xenobiotics, nutrients, …) reach the estuary and affect the coastal waters, often beyond the limits of territorial waters. The whole aquatic continuum must therefore be considered when assessing the impact of pollution problems and the efficiency of mitigation plans. Coastal erosion/siltation is also influenced by a combination of local small scale processes and large scale marine dynamics.

There is an urgent need to increase the scientific knowledge needed to support the implementation of local legislations and policies (like the EU Water Framework Directive and the Marine Strategy Directive), to assess the impact of different scenarios of coastal activities, to support management decisions and to promote sustainable use of coastal resources. The development of appropriate tools and methods is however a particularly complex task. While major changes of aquatic ecosystems are clearly related to the human activity (growing population, urbanisation, industrial activity, intensive farming), the direct link between the pressures and the ecological changes is much more difficult to understand and quantify. The assessment of the functioning of coastal systems and their response requires therefore that the inter-related biological, physical, chemical and socio-economical aspects be taken into account, fostering the collaboration of a large number of specialists in interdisciplinary networks.

The 41st International Liege Colloquium on Ocean Dynamics will provide a forum to present and discuss recent scientific advances in the field of Integrated Coastal Zone Management, to compare the modelling and experimental approaches set up in various case studies and to identify the need for future developments. The emphasis will be particularly put on the understanding of the dynamics of coastal waters and on the development of appropriate tools and methodologies to address the issues of

- coastal oceanography;
- prevention and mitigation of coastal hazards and pollution (including coastal eutrophication);
- long term geomorphological changes;
- global changes in the coastal zone (including downscaling issues);
- operational oceanography and monitoring systems;
- social and economic aspects of ICZM multifunctionality and evaluation.

International Scientific Committee

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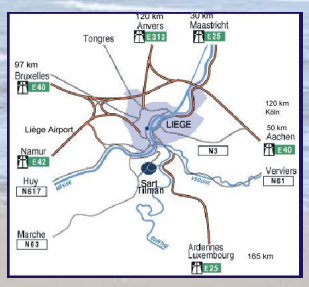
Registration

The registration fee of 300 € includes all documents, a copy of the proceedings, coffee and bus services, receptions and the Colloquium dinner at the Château de Colonster. An invoice will be sent on request. Registration fees are 250 € if payment is received before March 15th, 2009.

Online registration trough: http://modb.oce.ulg.ac.be/colloquium/#col_registration

Venue

The Colloquium is held at the Liège University on Sart-Tilman. Liège can be reached conveniently by fast train connections from Paris and Köln and by regular train connections with airports in Brussels, Maastricht and Düsseldorf.



Abstract Submission

Predefined styles for Word and Latex are available from the Colloquium WWW page. The one page abstract (including title, author's name and affiliations) should be sent by e-mail to oceanphys@ulg.ac.be.

Publications

Papers can be submitted for publication in a special issue of Journal of Marine Systems. Only those papers presented orally or as a poster will be considered for publication.

Deadlines

- Receipt of abstracts: 31 Dec 2008
- Decision of Scientific Committee on acceptance of papers: 31 Jan 2009.
- Preliminary program: 31 March 2009
- Receipt of manuscripts for publication in Journal of Marine Systems: 01 Sept 2009

Sponsorship

- Fonds National de la Recherche Scientifique (FNRS, Belgium)
- Ministère de l'Emploi et de la Formation du Gouvernement Wallon
- Université de Liège
- MARE

Local Organizer: Modelenvironment
Université de Liège - B5a Sart-Tilman - B-4000 Liège, Belgium - e-mail: oceanphys@ulg.ac.be