

newsletter

Union Géographique Internationale
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Norbert P. Psuty, Editor

Objectives: The Commission on Coastal Systems encourages the study of coastal systems throughout the world. The Commission sponsors and supports activities leading to the exchange of information regarding coastal systems among our members and throughout the IGU at large. The focus of attention is on interactive systems, both human and physical, and the areas of inquiry include issues such as sea-level rise, land-use changes, estuarine resources, coastal tourism and shoreline development, coastal recreation, and coastal zone management. The Commission will make concerted efforts to emphasize issues of Global Change. Copies of our Newsletter and announcements are on our website: <http://www.igu-ccs.org/>

Message from the Chair

I would like to wish you all a prosperous and exciting year 2012! I also take this opportunity, halfway through my chairmanship, to thank Norb Psuty warmly for his strong engagement in promoting the CCS in various meetings and through numerous contacts everywhere. As you can see from this 67th newsletter he has just drafted, there are several exciting meetings in 2012, and beyond that are testimony to the importance and diversity of coastal issues and the ever-growing concern for the sustainable management of our coasts. Among these is the IGU meeting in Cologne in August, which, we hope, will attract many colleagues. The CCS is engaged in five open themes that embrace virtually all spheres of coastal landforms, processes and management issues: coastal erosion and management, sea-level rise and impacts, coastal monitoring, beaches and dunes, and rocky coasts. We also hope to get a good number of paper presentations from this meeting published in international journals. I strongly enjoin you, as members of the Commission, to continue to contribute to the promotion of knowledge and exchange of ideas on coastal systems in the various other meetings by setting up sessions in the name of the CCS!

EDWARD ANTHONY

MEETINGS SPONSORED OR CO-SPONSORED BY THE COMMISSION ON COASTAL SYSTEMS

APRIL 22-27, 2012, EUROPEAN GEOSCIENCES UNION, VIENNA, AUSTRIA Special Session on the Coastal Zone Geomorphological Interactions: Natural Versus Human-Induced Driving Factors

Coasts worldwide face a great variety of environmental impacts as well as increased anthropogenic pressures of coastal zone urbanization and rapid population growth. Over the last decade coastal erosion has emerged as a widespread problem that causes shoreline retreat and irreversible land losses. The attempts of managers and other stakeholders to cope with erosion using different types of hard engineering methods may often aggravate this problem, damaging natural landscape and coastal ecosystems in unexpected and unpredicted ways. The session gives priority to the subjects of coastal geomorphology: evolution of coastal landforms, coastline alterations and various associated processes in the coastal zone, e.g. waves and sediment transport, which shape coastal features and cause morphological changes.

Contributions to this session will focus on the mechanisms responsible for coastal erosion and shoreline behaviour (advance or retreat) and will address the many natural and anthropogenic factors involved. The topics may include work on predictions of shoreline change and discussions on the effects of human activities and their continuing contribution to coastal changes. Studies related to the most crucial coastal zone issues with emphasis on ICZM aspects are also welcome: impacts of global climate changes, associated with severe storms, sea level rise and flooding, low-lying coastal territories, progress of coastal erosion and degradation of sandy beaches.

This session is being organized by **Margarita Stancheva (Bulgaria)**, **Andreas Baas (UK)**, **Giorgio Anfuso (Spain)**, and **Hannes Tonisson (Estonia)** in association with the IGU Coastal Commission.

There is a plan to publish selected papers in a Special Issue of the Journal of Coastal Research or in a Thematic Section of the Journal of Coastal Research.

January 17, 2012 is the deadline for receipt of abstracts.

For more information on the **EGU General Assembly 2012 (EGU2012), 22–27 April 2012, Vienna, Austria**, please visit the website: <http://meetings.copernicus.org/egu2011/> and information about the EGU itself can be found at <http://www.egu.eu>.

AUGUST 26-30, 2012, INTERNATIONAL GEOGRAPHICAL CONGRESS, COLOGNE, GERMANY

The 32nd International Geographical Congress in Cologne focuses scientific attention on the core themes of humanity. Researchers from around the world are expected in Cologne in 2012. Geographers bring the wide-ranging perspectives and methodology of their subject to bear on four major thematic complexes and contribute to the solution of urgent scientific and socio-political issues – bringing research down to earth:

Global Change and Globalisation
Society and Environment

Risks and Conflicts
Urbanisation and Demographic Change

Additionally, there will be two scientific symposia within the IGC 2012:
Symposium on Geographie & Schule (in German)
Symposium on Applied Geography

Deadline for Submission of papers and posters: 8 January 2012

Further information is on the IGU Congress website: <http://www.igc2012.org/>

**APRIL 8-12, 2013. UNIVERSITY OF PLYMOUTH, UK
12th INTERNATIONAL COASTAL SYMPOSIUM**

The symposium will be organized by the **Coastal Processes Research Group** at the **University of Plymouth**. The University is located in the middle of the city within easy walking distance of hotels and restaurants, and within a 15 minute stroll from the water front. The plenary sessions, coffee/tea breaks, buffet lunch and evening drinks will all take place in the iconic and award winning Roland Levinsky Building.

Conference sessions

1. Barriers and barrier islands
2. Beaches and nearshore processes
3. Climate change
4. Coastal ecology and pollution
5. Coastal engineering
6. Coastal evolution
7. Coastal geomorphology
8. Coastal hazards
9. Coastal management, policy and planning
10. Coral reef coasts and processes
11. Deltas and river-outflow processes
12. Dunes and aeolian processes
13. Estuaries and tidal processes
14. GIS and remote sensing applications
15. Hydrodynamics
16. Numerical modelling of coastal processes and systems
17. Rocky coasts and geological inheritance

Further information is on the website: <http://ics2013.org/>

MEETINGS WITH COASTAL INTERESTS

JANUARY 25-27, 2012, CONGRESS IBEROAMERICANO, INTEGRATED COASTAL MANAGEMENT, CADIZ, SPAIN

First Iberoamerican Congress on Integrated Management of Coastal Areas (GIAL) 1, organized by the University of Cádiz (UCA) and the Ibero-American Integrated Coastal Management (Ibermar).

The organization of this event in 2012 will coincide with the bicentenary of the Spanish Constitution of 1812, as well as the Summit of Heads of State and Government, in a scenario, the city of Cadiz, named for the year Cultural Capital Iberoamericana. Also, the days of this Congress will coincide with the organization of the Third Symposium on Marine Science and XVI Iberian Marine Chemistry Seminar.

Integrated Management of Coastal Areas (GIAL) as a synonym for Integrated Coastal Zone Management (ICZM), Integrated Coastal Management (ICM) and Integrated Coastal Zone Management (ICZM), under the guidance following definition:

The GIAL is a dynamic, continuous and iterative process to promote sustainable development through the integration of policies, objectives, strategies and sectoral plans in space and time as well as the integration of terrestrial and marine components of the coastline. It is therefore an instrument of public policy based on cooperation and participation (Barragán Muñoz, JM, 2003).

Further information about the congress is at: <http://www.gestioncostera.es/congresoGIAL/>

FEBRUARY 14-15, 2012 EL JADIDA, MAROC

Georisque 2012, Risques naturels sur les littoraux

For further information, please communicate with: georisque.maroc@gmail.com

MARCH 19-22, 2012, ATHENS, GREECE

Sea-Level and Adjustment of the Land: Observations and Models (SLALOM)

With the IPCC AR5 report preparation well underway, sea level rise, glacial isostatic adjustment and ice mass balance are very much at the forefront of scientific interest. The aims and objectives of SLALOM2012 are listed below:

Glacial Isostatic Adjustment (GIA) - Conveners: Kurt Lambeck & Pippa Whitehouse

Sea-level Indicators - Conveners: Paolo Pirazzoli & Christophe Morhange

Post LGM ice sheet - Conveners: Philippe Huybrechts & Roderik van de Wal

Sea-level reconstructions - Conveners: Paolo Stocchi & Antony Long

Space geodetic observations of ice mass balance - Conveners: Matt King & Abbas Khan

Further information is available as: <http://slalom2012.geol.uoa.gr/>

APRIL 4-7, 2012, ATHENS, GREECE

5th Annual International Conference on Mediterranean Studies

The Athens Institute for Education and Research (ATINER) organizes its 5th Annual International Conference on Mediterranean Studies in Athens, Greece, 4-7 April 2012. The conference website is: www.atiner.gr/mediterranean.htm. Please submit an abstract (email only) to: atiner@atiner.gr, using the abstract submission form available at <http://www.atiner.gr/docs/2012FORM-MDT.doc> by the **5th of September 2011** to: **Dr. Gregory A. Katsas, Academic Member of ATINER and Associate Professor, The American College of Greece-Deree College, Greece**. Abstracts should include the following: Title of Paper, Full Name (s), Affiliation, Current Position, an email address, and at least 3 keywords that best describe the subject of your submission. Decisions are reached within 4 weeks. If you

want to participate without presenting a paper, i.e. chair a session, review papers to be included in the conference proceedings or books, contribute to the editing of a book, or any other contribution, please send an email to **Dr. Gregory T. Papanikos, Director, ATINER** (gtp@atiner.gr).

The aim of the conference is to bring together scholars, researchers and students from all areas of Mediterranean Studies, such as history, arts, archaeology, philosophy, culture, sociology, politics, international relations, economics, business, sports, etc. Panel organizers are encouraged to submit their proposals by inviting other scholars that do research in the same area. Specific sessions will be organized on (a) country studies for both the European and non-European countries of the Mediterranean Basin, (b) the environmental, ecological and biological issues of the Mediterranean Sea, and (c) the Mediterranean islands (history, arts, culture, and all aspects of development) such as Cyprus, Malta, Sicily, Sardinia, Corsica, Crete, Euboea, Majorca, Rhodes, Cyclades, Ionian, Dodecanese, etc. The registration fee is 250 euro, covering access to all sessions, two lunches, coffee breaks, and conference materials. Special arrangements will be made with a local luxury hotel for a limited number of rooms at a special conference rate. In addition, a number of special social events will be organized: an official dinner with Greek night of entertainment with dinner, an educational excursion to Delphi, a special one-day educational cruise to the Greek islands, and a half-day tour around the wider area of Athens (Attica), which includes the Acropolis Hill and Parthenon.

The Athens Institute for Education and Research (ATINER) was established in 1995 as an independent academic organization, with the mission to become a forum, where academics and researchers - from all over the world - could meet in Athens to exchange ideas on their research and discuss the future developments of their discipline. Since 1995, ATINER has organized more than 150 international conferences and has published over 100 books. Academically, the Institute consists of four research divisions and nineteen research units. Each research unit organizes at least an annual conference and undertakes various small and large research projects.

JUNE 9-14, 2012, RIMOUSKI, QUEBEC, CANADA **10th Biennial International Coastal Zone Canada Conference**

The conference theme is 'Time for Action!' CZC 2012 will review the progress made in recent decades, examine promising approaches for addressing new challenges and explore a dynamic, proactive and participatory vision of oceans and integrated coastal zone management.. Click on the 'Main Conference' page for the online abstract submission form - <http://www.czc2012-zcc2012.org>.

JUNE 12-14, 2012, LIVORNO, ITALY **Monitoring of Mediterranean Coastal Areas: Problems and Measurement Techniques**

Sessions will cover:

- Measures for environment and energy production in the coastal zone
- Morphology and evolution of coastlines and seabeds
- Flora and Fauna of the littoral system: dynamics and protection-
- Coastline geography: territory uses, processes and dynamics
- Coastal landscapes: past and present aspects of human influence
- Management and integrated coastal protection: economic and legal profiles

Further information is available at:

http://server.ss.ibimet.cnr.it/ita/simposio/2012/Eng/s2012callforpaper_eng.html

JUNE 23-28, 2012, Mpekweni Eastern Cape, South AFRICA
6th International Sandy Beach Symposium

The ISBS aims to provide a platform for scientists, coastal engineers, managers and decision-makers working on sandy beaches to engage, and share their research and experience in order to advance beach research as a discipline, and to address the challenges faced by these ecosystems.

Traditionally, ISBS have been dominated by beach ecologists, with a strong emphasis on intertidal, macrofaunal studies. In order to advance the science of sandy beaches and to ensure their effective management, it is necessary to encourage collaboration among scientists, engineers, social scientists, managers and policy-makers. ISBS VI therefore aims to broaden the scope of participants, to stimulate a truly inter-disciplinary discussion.

Symposium Topics:

The symposium will host discussions on a wide range of topics from different disciplines, under three broad categories:

- Local/small scale processes
- Regional/large-scale processes
- Integrated management.

Participants are encouraged to present their work in a way that may challenge our current understanding and schools of thought. We also encourage presentations on the application of novel techniques to beach research.

The topics are:

Local & small -scale processes

- Ecology & biology of surf-beach-dune systems
 - community ecology
 - population ecology
 - food webs
 - eco-physiology
 - behavioural ecology
- Physico-chemical processes
 - nutrient processing
 - beach morphodynamics
 - beach/surf (bio)chemistry

Regional & large-scale processes

- Coastal connectivity (& resilience)
 - genetic connectivity
 - source-sink dynamics
- Large-scale physico-chemical processes

Integrated Management

- Socio-economic aspects of sandy beaches
- Legislation, policy and implementation
- Ecosystem goods and services
- Threats & solutions
 - sea level rise & coastal squeeze
 - pollution

beach retreat/nourishment/stabilisation
exploitation & resource management

Deadline for submission of abstracts: 15 January, 2012

For further information, please visit: <http://www.sandybeach2012.com/About-the-ISBS>

OCTOBER 20-24, 2012, RESTORE AMERICA'S ESTUARIES, TAMPA, FLORIDA
6th National Conference on Coastal and Estuarine Habitat Restoration

Restore America's Estuaries' 6th National Conference on Coastal and Estuarine Habitat Restoration is the only national conference focused on the goals and practices of coastal and estuarine habitat restoration. Estuaries and coasts are an important part of America's economy, history, and living culture. The five-day Conference will explore the state-of-the-art in all aspects and scales of restoration, and will be comprised of field sessions, plenary sessions, expert presentations, special evening events, workshops, a poster hall, and the nation's only Restoration Exposition.

<http://www.estuaries.org/conference/>

proposed theme. Asking for expressions of interest – an opportunity

Sea cliff symposium – expression of interest

There is an extensive literature on the coastal habitats saltmarsh, sand dune and shingle (gravel) structures. By comparison sea cliffs seem to have been neglected. At the EUCC conference in Aberdeen, I presented a short paper entitled "Sea cliffs a neglected habitat". This note is a request to find out if there is sufficient interest in organising a symposium to try to redress this situation.

The subject areas could include:

- Descriptions by continent including location, scale, and habitat;
- Geology, geomorphology ('hard' and 'soft' rocks);
- Nature conservation values, nature reserves etc;
- Management sea birds, rare species (e.g. chough), invertebrates etc;
- Coastal defence
- Etc.....

Options for the symposium are:

- A standalone meeting (preferences that have been expressed so far are SW England);
- A special session at another conference (the EUCC Littoral 2012 to be hosted by EUCC - The Coastal and Marine Union in Ostend, Belgium);
- A publication without a meeting using the internet.

If you are working on coastal sea cliffs or have an interest in their conservation and management please make contact. Your thoughts, ideas, offers of help or possible contributions to a meeting will be gratefully received. email: Pat.doody@ntlworld.com.

Grist and Grains

The IGU Commission on Coastal Systems (CCS) has a web site that can be found at: <http://www.igu-ccs.org/> Contact information for CCS Officers and Steering Committee members can be found on the web site along with past and present newsletters. If you are interested in becoming a member of the CCS, an on-line membership form is available.

The US Environmental Protection Agency announces that their searchable website on Climate Ready Estuaries is available at: <http://www.epa.gov/cre/>. The Climate Ready Estuaries program works with the National Estuary Programs and other coastal managers to: 1) assess climate change vulnerabilities, 2) develop and implement adaptation strategies, 3) engage and educate stakeholders, and 4) share the lessons learned with other coastal managers.

The Climate Ready Estuaries website offers information on climate change impacts to different estuary regions, access to tools and resources to monitor changes, and information to help managers develop adaptation plans for estuaries and coastal communities.

Basic Information: What are the potential climate change impacts to coastal systems? What can be done to address the effects of climate change in coastal systems? Why should coastal resource managers focus their climate change efforts on adaptation?

Where You Live: Learn more about CRE partner projects on climate change impacts assessment and adaptation underway in your region.

Explore Climate Ready Estuaries: Find CRE Progress Reports and learn how the program and its partners have worked on projects to advance coastal adaptation to climate change.

Coastal Toolkit: Explore information and guidance on assessing climate change vulnerabilities and developing adaptation plans.

News and Events: What's new with Climate Ready Estuaries? This page provides updates on estuaries in the news, new members, and related events.

John Houston and **Paul Rooney**, Liverpool Hope University, announce the availability of the Tenth Newsletter through the **UK Sand Dune and Shingle Network**. The Newsletter is available on request through the Sand Dune and Shingle Network website at: <http://www.hope.ac.uk/coast/> Or contact John Houston, houstoj@hope.ac.uk or Paul Rooney: dunes@hope.ac.uk

The following information is taken from the very informative Newsletter compiled by Alexi Westcott, the ACZISC Secretariat. The full version is available at: <http://aczisc.dal.ca>

The ACZISC has launched its new website, please visit at: <http://coinatlantic.ca>.

EBM IN THE WIDER CARIBBEAN

The Centre for Maritime Research (MARE) Publication Series has published a new book titled "Towards Marine Ecosystem-based Management in the Wider Caribbean". The book provides a comparative example of the challenges and information needs required to implement principled ocean governance generally and marine EBM in particular, at multiple levels -

http://www.aup.nl/do.php?a=show_visitor_book&isbn=9789089642424&l=2.

ENVIRONMENTAL IMPACTS OF WAVE AND TIDAL ENERGY

The ICES Study Group on the Environmental Impacts of Wave and Tidal Energy met for the first time on 29-31 March 2011 in Edinburgh, UK. The aim of the Group is to provide improved access to new research findings, integrating these into an overall framework of information to support planning and management of wave and tidal energy activities and identifying research gaps currently hindering such planning and management. Details, including the meeting report, are available at

<http://www.ices.dk/workinggroups/ViewWorkingGroup.aspx?ID=519>.

CLIMATE CHANGE IMPACTS ON MARINE ECOSYSTEMS

The European Union CLAMER project aims to raise awareness of the effects of climate change on the marine environment and their socio-economic consequences. It builds on the concept that there is a gap between what is known through research and what policy makers and the public know and understand, and that this gap needs to be filled to help catalyze formulation and acceptance of the necessary mitigation and adaptation measures - <http://www.clamer.eu>.

CLIMATE CHANGE AND EUROPEAN MARINE ECOSYSTEM RESEARCH

This 53-page publication aims to inform the public at large on the impacts of climate change on the European marine environments. Research results about the effects of climate change on the seas are summarized in 12 themes. The booklet also features the results from the European survey of public perception and awareness of climate change impacts on the marine environments -

<http://www.clamer.eu/outreach/booklet>.

STATUS AND TRENDS OF WETLANDS IN THE UNITED STATES

The report entitled "Status and Trends of Wetlands in the Conterminous United States 2004-2009" is the most recent of the five reports to Congress on the status and trends of wetlands across much of the US since the mid-1950s. The report documents substantial losses in forested wetlands and coastal wetlands that serve as storm buffers, absorb pollution that would otherwise find its way into drinking water, and provide vital habitat for fish, wildlife and plants - <http://www.fws.gov/wetlands/statusandtrends2009/>.

SEAFLOOR RELIEF MAPS OF THE BAY OF FUNDY

Shaded seafloor relief maps of the Bay of Fundy have been released by the Geological Survey of Canada. Seventeen 1:50 000 scale maps cover the entire Bay. The maps are based on the multibeam sonar surveys conducted between 1993 and 2009 to map 13 010 square kilometres of the seafloor. Contact

Brian.Todd@NRCan.gc.ca for more information on the scientific background of the maps. The maps can be downloaded free-of-charge in PDF format on the GEOSCAN website (search for "Bay of Fundy") -

http://ess.nrcan.gc.ca/esic/geoscan_e.php.

CLIMATE CHANGE DECISION MAKING

The World Resources Institute, the UN Environment Programme (UNEP), the UN Development

Programme (UNDP) and the World Bank have released the latest edition of the report titled "Decision Making in a Changing Climate: Adaptation Challenges and Choices". The report calls for different approaches to decision making by national leaders, explores challenges and offers recommendations for national-level government officials to make informed and effective decisions to respond to the changing climate - <http://www.wri.org/publication/world-resources-report-2010-2011>.

BUILDING ISLAND RESILIENCE

The UN Educational, Scientific and Cultural Organization (UNESCO) has released a report titled "Building Island Resilience" which provides an overview of the activities of the small island developing States (SIDS) Platform. UNESCO's SIDS platform pursues an integrated approach to sustainable island living and development, emphasizing interregional linkages and cooperation - <http://unesdoc.unesco.org/images/0021/002131/213150E.pdf>.

- The International Earth system expert workshop on ocean stresses and impacts was held on 11-13 April 2011 in Oxford, England. The goal of the workshop was to reflect on ocean stresses and impacts and propose creative solutions. The workshop summary is available at http://www.stateoftheocean.org/pdfs/1906_IPSO-LONG.pdf.

- 'Climate Change Adaptation in Developed Nations', by James Ford and Lea Berrang-Ford, explores the deficit in understanding if and how climate adaptation is taking place at a national or regional level, particularly in developed nations - <http://www.springer.com/environment/global+change+-+climate+change/book/978-94-007-0566-1>.

- 'Climate Adaptation and Flood Risk in Coastal Cities', by Jeroen Aerts, Wouter Botzen, Malcolm Bowman, Philip Ward and Piet Dircke, presents climate adaptation and flood risk problems and solutions in coastal cities, including an independent investigation of adaptation paths and problems in Rotterdam, New York and Jakarta - <http://www.routledge.com/books/details/9781849713467>.

- The 5th workshop of the International Coastal Atlas Network was held on 30 August - 2 September 2011 in Oostende, Belgium. Presentations are available at http://ican.science.oregonstate.edu/en/ican5_prog.

- The second edition of the Belgian Coastal Atlas was released at the International Coastal Atlas Network meeting in Oostende on 31 August 2011. A digital version of the atlas is available at <http://www.coastalatlals.be>.

- A report released recently by Restore America's Estuaries indicates that coastal restoration creates jobs and boosts local economies - <http://www.estuaries.org/economics-of-estuaries.html>.

- The NOAA Coastal Services Center recently released the "Coastal Sea-Level Change Societal Challenge Needs Assessment Report", which focuses on the needs of the coastal managers, planners and decision-makers who are facing existing or emerging climate issues related to coastal sea-level change - http://www.floods.org/acefiles/documentlibrary/committees/Coastal/NOAA_Coastal_Sea_Level_Change_Societal_Challenge_Needs_Assessment_Report.pdf.

- In September 2011, sea ice covering the Arctic Ocean declined to the second-lowest extent on record; see the image on the NASA Earth Observatory website - <http://earthobservatory.nasa.gov/IOTD/view.php?id=53108&src=eoaiotd>.

- CoastGIS 2011, the 10th International Symposium on GIS and Computer Cartography for Coastal Zone Management, was held on 5-8 September 2011 in Oostende, Belgium. The CoastGIS 2011 paper abstracts and the 4-Volume Proceedings are available at <http://www.coastgis.info>.

- The 10th Littoral Conference was held on 21-23 September 2010 in London, UK. The Conference focused on 'Adapting to global change at the coast: leadership, innovation, and investment', with themes spanning environment, economy and society. The presentations are available at <http://www.scribd.com/collections/2644587/LITTORAL-2010-Adapting-to-Climate-Change-at-the-Coast>.

- The Georgetown Climate Center launched the Adaptation Clearinghouse, a new online database and networking tool including a suite of climate adaptation resources aimed at helping communities adapt to climate change. The nearly 1000 adaptation resources available can be sorted by geography, sector, impact, and more - <http://www.georgetownclimate.org/adaptation/clearinghouse>.

The Officers and Steering Committee of the Commission on Coastal Systems consist of the following members at present:

Chair/président

Prof. Edward J. Anthony,
Université de Provence,
CEREGE, UMR CNRS 6635,
Europôle Méditerranéen de l'Arbois,
13545 Aix en Provence Cedex 4,
FRANCE
anthony@cerege.fr

Past Chair/Ancien Président

Prof. Douglas J. Sherman
School of Geosciences
Department of Geography
Texas A & M University
College Station, Texas,
U.S.A.
sherman@geog.tamu.edu

Vice-Chair/vice-président

Prof. Colin Woodroffe
School of Earth and Environmental Sciences,
University of Wollongong,
Wollongong, NSW 2522,
AUSTRALIA
colin@uow.edu.au

Members of the Steering Committee

Prof. Adoté Blivi,
Director,
Centre de Gestion Intégré du Littoral et de
l'Environnement,
Université de Lomé,
B.P. 1515, Lomé,
TOGO
cgileul@yahoo.fr

Dr. Darius Bartlett
Department of Geography
University College Cork
Cork
IRELAND
d.bartlett@ucc.ie

Dr. Françoise Breton
ETC/TE Deputy-Manager
European Topic Centre Terrestrial Environment
Universitat Autònoma de Barcelona
Edifici C - Torre C5, 4a planta
E-08193 Bellaterra (Barcelona)
SPAIN
_Francoise.Breton@uab.cat

Prof. dr. Helmut Brückner
Universität Marburg
Fachbereich Geographie
D-35032 Marburg/Lahn
GERMANY
h.brueckner@staff.uni-marburg.de

Prof. Paolo Ciavola,
Dipartimento di Scienze della Terra,
Università di Ferrara,
Via Saragat 1,
44100 Ferrara,
ITALY
cvp@unife.it

Dr. David R. Green
Centre for Marine and Coastal Zone Management
Department of Geography and Environment
College of Physical Sciences
University of Aberdeen,
AB24 3UF, Scotland
UNITED KINGDOM
d.r.green@abdn.ac.uk

Prof. John R.C. Hsu,
6 Moline Court
CHURCHLANDS, (Perth)
WA 6018
AUSTRALIA
jrchs@faculty.nsysu.edu.tw

Dr Derek Jackson
Centre for Coastal and Marine Research
School of Environmental Sciences
University of Ulster
Cromore Road, Coleraine
Northern Ireland BT52 1SA
UNITED KINGDOM
d.jackson@ulster.ac.uk

Dr. Antonio Henrique da F. Klein
Depto de Geociências/CFH/UFSC
CAMPUS UNIVERSITÁRIO - TRINDADE
FLORIANÓPOLIS, SC BRASIL
CEP 88.040-970
klein@cfh.ufsc.br

Dr. Jeffrey Ollerhead
Dean of Science
Mt. Allison University
65 York Street
Sackville, New Brunswick
CANADA E4L 1E4
jollerhe@mta.ca

Prof. Dr. Andreas Vött
Department of Geography
Universität zu Köln
Albertus-Magnus-Platz
50923 Köln / Cologne
GERMANY
andreas.voett@uni-koeln.de

Secretary/Secrétaire, Editor of Newsletter
Prof. Norbert P. Psuty
74 Magruder Road
Institute of Marine and Coastal Sciences
Rutgers University
Highlands NJ 07732 ,
U.S.A.
psuty@marine.rutgers.edu

The IGU Commission on Coastal Systems (CCS) web site is at:

<http://www.igu-ccs.org/>

Contact information for CCS Officers and Steering Committee members can be found on the website along with past and present newsletters. If you are interested in becoming a member of the CCS, an on-line membership form is available.

Mike Meadows, Professor at the Department of Environmental & Geographical Science, University of Cape Town, South Africa, Vice-President of the International Geographical Union, is our liaison with the executive committee of the IGU: mmeadows@mweb.co.za

BECOME A CORRESPONDING MEMBER OF THE IGU COMMISSION ON COASTAL SYSTEMS

The membership dues consist of your involvement in the activities in the Commission and/or your contributions to the Newsletter. The absence of participation will cause your membership to lapse.

If you wish to be a member:

Please complete and return the form located on this page of the Newsletter, preferably by email.

To maintain your membership:

Share your information and experiences. Provide information on your professional activity and the items you think will be of interest to your fellow members.

Please provide the following:

... new CCS member

... current CCS member

Name	.....	Department	.....
Institution	.....	Street or P.O. Box	.....
City	.....	State/Province	.....
Zip code	.....	Country	.....
Fax	.....	Phone	.....
		E-mail	.....

I am interested in receiving the Newsletter of the Commission ...

My specialization in the field of coastal systems is:

1.
2.
3.
4.
5.

I personally request that you take a moment to distribute this newsletter to those who you believe will be interested in its contents. The newsletter will be distributed twice yearly, primarily by email. Please take a moment to forward this copy of the newsletter to those on your coastal emailing list and encourage them to join by forwarding their email address to me.

Thank you for your cooperation. NORB PSUTY

Communication with the editor

E-mail: psuty@marine.rutgers.edu

Fax: 01-732-872-1586

Phone 01-732-708-1462