

newsletter

Union Géographique Internationale

International Geographical Union

No. 65 - JANUARY 2011

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 members of the Commission on Coastal Systems an exciting, productive and prosperous year 2011! Unfortunately, firm decisions at the international level aimed at safeguarding our environment and our coasts are still wanting, as highlighted by the hesitant attitudes adopted by our leaders at the Cancun summit. Technological disasters such as the Gulf of Mexico oil spill, and natural extreme events such as the 2010 Pacific Ocean and Asia tsunamis, and the storm Xynthia in France, continue to cause distress on our coasts. The 65th newsletter drafted by Norb Psuty highlights several exciting meetings in the year ahead that cover all aspects of the diversity of coasts and the concerns for sustainable coastal development. It is through such meetings that we can scientifically demonstrate the grounds for our concerns and steer them through to the decision-makers for safer coasts under the guidance of long-sighted ecosystem-based management. We hope members of the Commission on Coastal Systems will continue to contribute to the promotion of knowledge and exchange of ideas through these 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 3-8, 2011. VIENNA, AUSTRIA. EUROPEAN GEOSCIENCES UNION
Special Session on the Coastal Zone Geomorphological Interactions: Natural Versus
Human-Induced Driving Factors**

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 behavior (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 Andreas Baas (UK), Margarita Stancheva (Bulgaria), and Giorgio Anfuso (Spain) in association with the IGU Coastal Commission.

January 10, 2011 is the deadline for abstracts for this session of the EGU. For information on the conference or to submit an abstract, visit the website at:
<http://meetingorganizer.copernicus.org/EGU2011/session/7481>

SEPTEMBER 5-8, 2011, OOSTENDE, BELGIUM

CoastGIS 2011 Conference

CoastGIS 2011 is organized by the Coastal & Marine Union/EUCC (www.eucc.net), and CORILA – Consortium for Coordination of Research Activities Concerning the Venice Lagoon System, based in Venice, Italy (www.corila.it).

CoastGIS 2011 is hosted in Oostende, Belgium, by the Intergovernmental Oceanographic Commission (IOC) of UNESCO, International Oceanographic Data and Information Exchange (IODE) Project, and the Flanders Marine Institute (VLIZ), situated in the new InnovOcean site on the quayside of Oostende harbour.

The Conference is endorsed by the IGU's Commission on Coastal Systems, the ICA Commission on Marine Cartography, the Global Spatial Data Infrastructure (GSDI) Association, the Open Geospatial Consortium (OGC), EurOcean – the European Centre for Information on Marine Science and Technology, and CSIR – the Council for Scientific and Industrial Research, South Africa.

The main theme this year is “Marine and Coastal Spatial Planning”. Other themes include:

- Applying Geospatial Data Interoperability Standards (to improve Data Sharing)
- Advances in Remote Sensing, Earth Observation and Imagery Processing and Management
- New Sensors & Sensor Webs (in the coastal and marine environments)
- Advanced Visualisation Tools and Technologies
- Mobile GIS in the Marine Environment
- “IT at Sea” – Advances in Hydrographic Survey Techniques, Tools and Technology
- Open Source GIS for Coastal/Marine Applications
- Management Tools for Integrated Coastal Zone Management (ICZM)
- Exploring and Managing Marine Boundaries Issues
- Advances in Decision Support Systems (DSS) for ICZM
- Modelling Coastal Processes
- Managing Risks in Coastal Environments
- Impact of Climate Change on the Coast, Coastal Communities & Marine Resources
- Environmental Conservation in the Coastal Zone

- Pollution Monitoring and Control
- Sustainable Use of Coastal Resources
- Integrating Coastal and River Basin Catchment Data
- Disaster Monitoring and Mitigation at the Coast
- Informing and Involving the Public in Coastal Decision Making
- Planning for Sustainable Coastal Tourism
- Coastal Planning and Management for Small Islands
- Protecting Coastal Heritage
- Coastal/Marine Spatial Data Infrastructures (including Access and Sharing Policies)
- Marine Spatial Planning and Monitoring
- Socio-economic Issues Affecting Coastal Communities
- Public Participation GIS (PPGIS) for Coastal Communities (Best Practice Examples)
- IT in Education & Training for Coastal Zone Researchers and Managers (e-Learning and the Internet)

Important Dates and Deadlines

- **Deadline for Abstracts for Papers, Workshops and Posters - 30 April 2011**
- Deadline for Submission of full Papers and Posters - 30 June 2011
- Dead line for Extended papers for publication in official Journal - 31 October 2011
- CoastGIS 2011 Workshops on 5 September 2011 & Conference from 6 – 8 September 2011

For more information, visit www.coastgis.info or contact **Roger Longhorn**, CoastGIS 2011 Local Secretariat, at coastgis2011@coastgis.net or ral@alum.mit.edu.

NOVEMBER 22-24, 2011, TANGIER, MOROCCO
Conference Mediterranee Cotiere et Maritime

Titles of presentations should be submitted before **15 MAY** on the website. Manuscripts (limited to 4 pages) should be submitted by 1 July, 2011. The conference acts will be distributed to participants at the conference and will be on open access on the website: <http://www.paralia.fr>

MEETINGS WITH COASTAL INTERESTS

FEBRUARY 18-22, 2011, ADDISS ABABA, ETHIOPIA
IAG/AIG Regional Conference on Geomorphology 2011: Geomorphology for Human Adaptation to Changing Tropical Environments

The Conference promotes exchange of studies and methods for the investigation of tropical geomorphology in connection with different effects of global environmental changes. The conference programme includes lectures, workshops, two pre-conference and one post-conference field trips and social activities.

Topics:

- 1.Land Degradation and Resilience
- 2.G geomorphological Mapping
- 3.Quaternary Stratigraphy and Paleoclimate

4. Coastal Geomorphology
5. Geoheritages and geoarchaeology
6. Fluvial Geomorphology and Flooding Hazard
7. Volcanic Geomorphology and Hazard
8. Geomorphology of Tropical Mountains
9. Drylands Geomorphology and Desertification
10. Morphotectonics, Active Tectonics and Seismic Hazard
11. Landslide Hazard Assessment and Zoning
12. Environmental Change and Human Impact
13. Karst Geomorphology
14. Wetlands Geomorphology
15. Urban Geomorphology
16. Mining Areas Rehabilitation
17. Planetary Geomorphology
18. Geoecology
19. Tectonic topography

Field trips:

Pre-Conference Field Trip 1 (MER): “Geomorphology of the Main Ethiopian Rift”

Pre-Conference Field Trip 2 (AFAR): “Tectonic Landforms and Volcanism in the Southern Afar”

Post-Conference Field Trip 3 (NEH): “Geomorphological hazards, land degradation and resilience in the northern Ethiopian highlands”

Post-Conference Field Trip 4 (NEH-LAL): Extension to Mts. Simien, Lake Tana, Lalibela

Post-Conference Field Trip 5 (NEH-EX): Extension to the Danakil Depression

Intensive Course on Landslide Geomorphology and Mapping (LANDMAP)

The First & Second Circulars and Registration & Payment Forms can be downloaded from the IAG/AIG Website www.geomorph.org

Prof. Dr. **Jan Nyssen**
Department of Geography
Ghent University
Krijgslaan 281 (S8)
B 9000 Gent
BELGIUM

Tel. +32 (0)9 264 46 23

Fax +32 (0)9 264 49 85

<http://geoweb.ugent.be>

<http://www.researcherID.com/rid/B-8280-2009Speci>

MARCH 9-11, 2011. HELSINKI, FINLANDE. 32nd Meeting of the Baltic Marine Environment Protection Commission HELCOM

Webpage: http://www.helcom.fi/events/en_GB/0903-1103-11/

Contact: Helsinki Commission, (Baltic Marine Environment Protection Commission), Katajanokanlaituri 6 B FI-00160 Helsinki, Finland; Tel.: (+358 207 412 649)

**MARCH 21-24, 2011., MYRTLE BEACH, SOUTH CAROLINA
COASTAL GEOTOOLS 2011**

Coastal GeoTools is the conference series that focuses on the technical information needs of the nation's coastal programs. The 2011 conference will focus on building the Digital Coast, a Web platform that provides access to geospatial data, tools, and technical training.

Want to stay up to speed on the GeoTools conference and related geospatial updates? Then check out the new GeoTools blog! Geospatial tools and data will be highlighted, along with conference updates. Go to the [Blog page](#) to see what's going on!

Further information available at: <http://geotools.csc.noaa.gov>

**APRIL 27-29. NAPLES, ITALY.
Second International Conference on Physical Coastal Processes, Management and Engineering**

The conference will provide a forum for the discussion and presentation of research regarding coastal processes, including erosion and sediment transportation, wave modeling, sea defenses, geomorphology, and coastal evolution.

For further information: <http://www.wessex.ac.uk/11-conferences/coastalprocesses-2011.html>

**MAY 2-6, 2011, MIAMI, FLORIDA
COASTAL SEDIMENTS, '11**

The Coastal Sediments'11 conference is the seventh in the series following the inaugural conference in 1977. The Coastal Sediments technical specialty conferences provide an international forum for exchange of information among coastal engineers, geologists, marine scientists, shallow-water oceanographers, and others interested in the physical processes of coastal sediment transport and morphology change.

For further information, contact:

Department of Geology, SCA 528
University of South Florida
4202 E. Fowler Avenue Tampa, Florida 33620

Ping Wang, Ph.D. Voice: 813.974.9170 Fax: 813.974.2654 E-mail: pwang@cas.usf.edu
--

Mark H. Horwitz Phone: 813.974.2759 E-mail: mhorwitz@mail.usf.edu
--

MAY 9-14, 2011, SZCZECIN, POLAND

11TH INTERNATIONAL COASTAL SYMPOSIUM, ICS 2011

The 11th International Coastal Symposium ICS will be held in 9-14 May 2011 in Szczecin, Poland. The symposium will be organized by the Institute of Marine and Coastal Sciences at University of Szczecin. Poland is located on the southern coast of the Baltic Sea and as such is endowed with more than 500 kilometers of the coastline. Szczecin is located in the north-west sector of Poland, south of the Szczecin Lagoon which is part of the Oder River estuary, draining into the Pomeranian Bay of the Baltic Sea. Szczecin, with nearly 500,000 inhabitants, is the capital of Western Pomerania province and is situated in the vicinity of three European countries: Germany, Denmark and Sweden. The historical and cultural milieu of the city originates from over thousand years ago and has been shared by several nationalities. Large parts of the city architecture go back to the last half of the 19th century, bearing striking resemblances to Paris, which was re-constructed by the same architect. Furthermore, the diverse city landscape is marked with the large harbor, many sail piers, parks and a beautiful secession downtown. The parks and squares in Szczecin are planted with many varieties of magnolia that bloom in spring as well as rare tree and bush species

The University of Szczecin, founded in 1985, and with over 30,000 students is the biggest university in the city and in Western Pomerania. One of the university's departments is the Faculty of Geosciences, which includes the Institute of Marine and Coastal Sciences. Specializing in marine and coastal research, the institute was founded in 1991. It will celebrate its 20th activation anniversary in 2011. Therefore, the 11th ICS will be an excellent opportunity to present the Institute's achievements.

CONFERENCE THEMES

ICS 2011

- _Acoustic Remote Sensing Barrier
- _Islands Beach Processes
- _Beaches in Fetch-Limited Environments
- _Climate Change
- _Coastal Dunes
- _Coastal Ecosystems
- _Coastal Engineering
- _Coastal Evolution
- _Coastal Geomorphology
- _Coastal Hazards and Pollution
- _Coastal Modelling
- _Coastal Polices and Planning

- _Coastal Restoration & Mitigation
- _Coastal Tourism
- _Coastal Zone Management
- _Delta Plain Management
- _Estuaries and Lagoons
- _Estuarine & Wetland Restoration
- _GIS and Remote Sensing Applications
- _Human Impact (interaction)
- _Impact of Extreme Storms
- _Integrated Catchment and Coastal Zone Management
- _Marine & Coastal Protected Areas

_ Nontidal Coasts (Baltic's and others)
_ Paleoclimate of the Coast
_ Sedimentary processes and morphodynamics of sandy beaches on short time response

CALL FOR ABSTRACTS AND PAPERS

Abstracts for the 11th International Coastal Symposium will be accepted by online submission beginning May 01, 2010. More information, including detailed submission guidelines and subject classifications, can be found on the Conference website at www.ics2011.pl

Conference Secretariat

ICS2011 -11th International Coastal Symposium

Zaklad Teledetekcji i Kartografii Morskiej, Uniwersytet Szczecinski
A. Mickiewicza 18/402 Street, 70-383 Szczecin, POLAND
Phone: +48 914 442 351 Fax: +48 914 442 451
E-mail: ics@ics2011.pl

IMPORTANT DATES

- Open of the Call • Open of the Call for Abstracts / 1st of May 2010
 - Notification of Acceptance / 15th of August 2010
 - Early Registration / 01.05.2010 - 30.11 2010
 - **Close of the Call for Abstracts / 1st of September 2010**
 - Submission of Full Articles / 15th of December 2010
 - Late Registration / 01.12.2010 - 01.04.2for Abstracts / 1st of May 2010
- NB: The call for abstracts has been extended to 1st of September 2010**

JUNE 1-4, 2011. ATHENS, GREECE. 15th Joint Geomorphological Meeting Fluvial and Coastal Systems in Tectonically Active Areas

Conference Themes will include: Paleogeography & Paleoenvironment • Natural hazards • Applied geomorphology • Geomorphological cartography – techniques and methods • Fluvial geomorphology • Sea level changes and coastal landscape

March 15 is the Deadline for receipt of Abstracts. Visit the website for more information.
geomorphology2011.geol.uoa.gr

MAY 15-21, 2011, AGADIR, MOROCCO

ICCAFFE2011 Climate Change, Agri-Food, Fisheries and Ecosystems: Reinventing Research, Innovation and Policy Agendas for Environmentally and Socially Balanced Growth.

After the success of the 2009 International Conference on "The Integration of Sustainable Agriculture, Rural Development, and Ecosystems in the Context of Food Insecurity, Climate Change, and the Energy Crisis", the North-South Center for Social sciences (NRCS) and the German Technical Cooperation (GTZ), in partnership with the Institute of Research for Development (IRD) and the Faculty of Law, Economics and Social Sciences, Ibn Zohr University of Agadir, are organizing the second edition entitled "Climate Change, Agri-Food, Fisheries, and Ecosystems: Reinventing Research, Innovation, and Policy Agendas for an Environmentally and Socially-Balanced Growth", May 20-22, 2011, Agadir.

ICCAFFE2011 is organized in a global context marked by 1) the failure by the Copenhagen Summit to come up with a binding agreement to deal with climate change; 2) The fragility of the world food security, the seriousness of hunger consequences, and the inefficiency of different policies and programs devoted to achieve sustainable food security; 3) the decrease of global marine biodiversity and fish stocks because of pressure by overfishing, environmental degradation, and the impacts from human-induced climate change; 4) The growing loss of biodiversity and degradation of forest ecosystems, as a result of climate change and human activities impacts, despite a global convention committing governments to halt the decline.

Subjects: sustainable development, agriculture, environment, climate change, agriculture

Contact: <http://nrns.webnode.com/scientific-events/iccaffe2011/english-version/>

JUNE 6-9, 2011. AACHEN, GERMANY
Fifth International Short Conference on Applied Coastal Research

The aim of the 5th SCACR is to provide all participants with information on the latest developments from both scientific and engineering perspectives in coastal issues and to exchange views with users and stakeholders of the coastal zone. In addition to five keynote lectures a number of technical papers will be presented during five technical sessions with the following topics:

- Coastal Structures
- Coastal Processes
- Coastal Risks / Risk Management
- Coastal and Port Environments
- Coastal Developments

Abstracts are due by January 15, 2011.

Further information is on the website: <http://www.iww.rwth-aachen.de/scacr>.

JULY 3-7, 2011, 2ND INTERNATIONAL SYMPOSIUM ON INTEGRATED COASTAL ZONE MANAGEMENT, ARENDAL, NORWAY

This multi-disciplinary international conference is intended to promote science and integration of knowledge for the sustainable management of coastal resources. It will provide a venue for scientists, engineers, managers and policy-makers to discuss recent advances and innovative ideas, to share experiences and to develop networks.

January 15, 2011 is the deadline for receipt of abstracts. Further information at:

<http://www.imr.no/iczm2011>

JULY 17-21, 2011, COASTAL ZONE '11, CHICAGO, ILLINOIS, US

Many factors are changing our coastal communities and our estuarine, marine, and Great Lakes environments. Recurring problems such as the impacts of coastal development, and new threats such as those related to global climate change and other human-induced hazards require new approaches to ocean and coastal resource management. Join us at Coastal Zone 2011, in Chicago, Illinois to explore these challenges and learn from the experiences of leaders from across the nation and around the world.

Four major themes (hot link) are designed to spark dialogue and exchange across a wide range of

perspectives. Scientists, managers and policy makers will want to engage in discussions addressing how climate change, coastal spatial planning, population and policies will affect the land and waterscapes of our oceans, coasts, and Great Lakes.

We welcome concurrent Professional Meetings (hot link), Special Sessions (hot link) (including poster sessions (hot link), and Exhibitors/Sponsors (hot link).

Abstracts due October 8, 2010.

Further information at: <http://www.doi.gov/initiatives/CZ11/index.htm>.

**JULY 25-30, 2011. AVEIRO, PORTUGAL. Fifth European Coastal Lagoon Symposium
Coastal Lagoons in a Changing Environment: Understanding, Evaluating, and
Responding**

An innovative aspect of the conference is the organization of a series of interactive workshops on current themes and hot topics. The workshops will be briefly introduced (<5 mins) during the plenary sessions by their proposers and the aim will be to allow a smaller set of participants to discuss the topic. The main points will be captured in a discussion document which, in some cases, could form the basis for a paper to be submitted for the conference special issue of Estuarine Coastal and Shelf Science. In particular, we want to give junior researchers and postgraduates the chance to interact with more senior and experienced researchers and thus the discussions will be in a friendly and informal setting. Some of the discussions will be as a brainstorming session around a white board/flip chart/computer projection system. The conclusions of the workshop will then be briefly (<5 mins) reported back to the plenary session of the conference.

April 30, 2011 is the deadline for receipt of Abstracts for papers or posters. Submission form will be available on the conference web site: <http://eurolag.web.ua.pt>

**SEPTEMBER 6-8, 2011. TSINGHUA UNIVERSITY, BEIJING, CHINA
7th IAHR Symposium on River, Coastal, and Estuarine Morphodynamics.**

The focus of this conference will be on the Impacts of Hydro-Projects on River, Coastal, and Estuarine Processes.

The Conference themes will include:

- Processes
- Field investigations,, experiments, and simulations
- Man-nature interactions

Deadline for abstracts is January 31, 2011.

Further information is at: <http://sklhse.tsinghua.edu.cn/rcem2011/rcem2011.html>

**SEPTEMBER 13-14, 2011. THE HAGUE, THE NETHERLANDS
Adapting to Coastal Change: Local Perspectives**

This conference and field meeting is organised under the auspices of the INTERREG 4B NWE Project, IMCORE (Innovative Management for Europe's Changing Coastal Resource). The meeting aims to address the issues of adapting to coastal change with a focus on local level challenges and approaches and

is aimed at both practitioners and researchers. The conference will be global in its geographical scope and will include a number of keynote speakers (names to be confirmed in second circular) with an international profile in coastal change adaptation.

The conference will be organized under the following themes:

1. Shoreline management (adapting to shoreline change)
2. Institutional and governance issues
3. Developing adaptation strategies at the local level (methods and scenarios)
4. Spatial planning as a tool for adaptation
5. Nature conservation
6. Local government experiences

Each theme will be addressed in a plenary session by a small number of speakers followed by a plenary discussion.

Poster presentations will be centered around each of the themes.

May 2, 2011 is the deadline for receipt of abstracts. The abstract form and further details are at the following website: <http://imcore.eu/TheHagueConference2011/>

SEPTEMBER 27-OCTOBER 1, VANNES, FRANCE
HOMER 2011, ANCIENT COASTAL SETTLEMENTS AND HUMAN/ENVIRONMENT
RELATIONSHIPS ON THE ATLANTIC COAST OF EUROPE

The Homer symposium provides an opportunity for an inventory of research on ancient coastal settlements on the Atlantic seaboard of Europe by confronting case studies and thematic approaches on a particular indicator or question. The aim of the conference is to generate comparative European reflections on the way geoarcheological and paleoenvironmental research has thrown light on the evolution of coastal landscapes and on interactions between humans and these landscapes. Specific attention will be given to:

- the reconstruction of paleogeographical transformations at various space- and timescales;
- the impacts such transformations may have had on the spatial organization of coastal societies;
- the consequences of the actions of coastal societies on the environmental equilibrium of Atlantic coasts.

For further information consult: homer2011@univ-rennes1.fr

OCTOBER 31 – NOVEMBER 4, 2011, BALNEARIO CAMBORIU,
SANTA CATARINA, BRAZIL
XIV Congresso Latinoamericano de Ciencias do Mar

Plans are underway for this marine sciences meeting in Brazil. Information will be posted on its website as it develops: www.colacmar2011.com

NOVEMBER 15-16, 2011. BELFAST, UK
Coastal Management 2011

<http://www.ice-coastalmanagement.com>.

REPORT ON MEETING

Colin Woodroffe (Australia) and **Craig Sloss** (Australia) report on the inaugural IGCP Project 588 IGCP Project 588, entitled “Preparing for Coastal Change: A Detailed Process-Response Framework for Coastal Change at Different Timescales” held in Hong Kong in November/December 2010. This thematic conference follows from Project 495 (2004-2009), and is the latest in an established series of IGCP projects relating to Quaternary sea-level changes and their broader significance. An inaugural meeting of the project was jointly organized with INQUA Project 1001 (“Quaternary Coastal Change and Records of Extreme Marine Inundation on Coastal Environments”) at Hong Kong University. It encompassed 2.5 days of oral presentations, with 76 papers presented by scientists from 24 different countries, and 1.5 days of field excursions.

As an outcome of this meeting, a number of initiatives were established. Several focused sessions on coastal change are planned for international meetings in coming years, including the following sessions at the forthcoming INQUA congress: no. 46 “Late Quaternary Records of Coastal Evolution”, no. 47 “Quaternary Records of Rapid Coastal Change (Co-Seismic Uplift/Subsidence, Storm Impacts and Tsunamis)”, and no. 48 “Sea-Level Jumps: Evidence from Quaternary Proxy Records”. Several working groups were also established, focusing on catastrophic events in coastal environments, high-resolution reconstructions of sea-level change and coast landscape evolution.

This IGCP project has four co-leaders: **Adam Switzer** (Earth Observatory of Singapore), **Craig Sloss** (Queensland University of Technology, Australia), **Ben Horton** (University of Pennsylvania, USA), and **Yongqiang Zong** (University of Hong Kong). Further details can be found on the project’s website: <http://coastal-change.org>

Grist and Grains

The IGU Commission on Coastal Systems (CCS) has a web site which 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.

John Houston and **Paul Rooney**, Liverpool Hope University, announce the availability of the Tenth Newsletter through the **UK Sand Dune and Shingle Network**. This informative publication conveys news on projects, publications, meetings, and issues of management concern throughout the UK. Much of the presented data have application far beyond the UK. This issue also includes the first contribution to the **European Dune Network Newsletter**. 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

Roland Paskoff et les littoraux : regards de chercheurs

Direction scientifique et coordination : Virginie DUVAT, Yvonne BATTIAU-QUENEY,
Christine CLUS-AUBY et Marie-Claire PRAT



TABLE DES MATIERES

- Chapitre 1 - Roland Paskoff et le Chili
- Chapitre 2 - Travaux réalisés en Tunisie
- Chapitre 3 - L'intérêt majeur de Roland Paskoff pour les variations du niveau de la mer
- Chapitre 4 - Plages et dunes
- La théorie de la pénurie sédimentaire
- Les avant-dunes
- Les dunes littorales du Chili central et septentrional
- Chapitre 5 - Gestion de l'érosion côtière et aménagement des littoraux
- Chapitre 6 - Petites études

Auteurs : Martine AMBERT, Belisario ANDRADE, Yvonne BATTIAU-QUENEY, Mongi BOURGOU, Christine CLUS-AUBY, Paul DURAND, Virginie DUVAT, Jean FAVENNEC, Helena GRANJA, Hermann MANRIQUEZ, Catherine MEUR-FÉREC, Valérie MOREL, Ameer OUESLATI, Marie-Claude PASKOFF, Paolo Antonio PIRAZZOLI, Marie-Claire PRAT, Norbert PSUTY

Friends and colleagues of Roland Paskoff have contributed papers that describe and discuss the many contributions that Roland made to the field of coastal geomorphology and to the elevation of interest and concern for the coastal environment. This tribute is available from L'Harmattan, 7 rue de l'Ecole-Polytechnique, 75005 Paris, France. The cost is 35.5 Euros, including shipping. For more information about the book, contact: diffusion.harmattan@wanadoo.fr, or **Virginie Duvat-Magnan**: virginie.magnan@univ-lr.fr

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

SPATIAL PLANNING IN COASTAL REGIONS

"Spatial Planning in Coastal Regions: Facing the Impact of Climate Change" is a new publication of a Working Group of the International Federation of Surveyors. The report highlights the core issues of coastal adaptation to climate change and discusses the impacts of climate change on spatial planning in coastal regions - <http://www.fig.net/pub/figpub/pub55/figpub55.pdf>.

DESIGNING CLIMATE CHANGE ADAPTATION INITIATIVES

The UNDP has released "Designing Climate Change Adaptation Initiatives: A Toolkit for Practitioners". The Toolkit provides step-by-step guidance on key elements to be considered when developing and designing adaptation initiatives. It also differentiates between adaptation and traditional development initiatives, and outlines fundamental components of the design process, the approach to building

stakeholder consensus, and key tools and methodologies -

http://www.unclearn.org/undp_launches_toolkit_support_countries_designing_.

OCEANS DAY AT CANCUN

4 December was Oceans Day at the 16th Conference of the Parties to the UN Framework Convention on Climate Change, held from 29 November to 10 December 2010 in Cancun, Mexico. The focus of Oceans Day was on developing an integrated approach to climate and oceans and preparation for Rio+20. The website of the International Institute for Sustainable Development features a summary of Oceans Day (<http://www.iisd.ca/CLIMATE/COP16/OD/>) and provides daily Conference reports - <http://www.iisd.ca/climate/cop16>.

DEGREES OF CHANGE - CLIMATE IMPACTS IN CANADA

"Degrees of Change" is a comprehensive graphic illustration of expected climate impacts published for Canada. The diagram results from a large body of published scientific information, and is a joint initiative of the National Round Table on the Environment and the Economy and the Royal Canadian Geographical Society - <http://www.climateprosperity.ca/eng/media/media-climate-prosperity-eng.php>.

APPLYING GEOTECHNOLOGIES TO MSP AND ICZM

The international summer school "GISlands 2010" was held on 7-12 August 2010 at the University of the Azores in São Miguel Island, The Azores. The curriculum focussed on the application of geographic technologies to Marine Spatial Planning and Integrated Coastal Zone Management. The lecturers' presentations and other documents are available at

[-http://www.gislands.org/index.php?option=com_content&view=article&id=20&Itemid=20](http://www.gislands.org/index.php?option=com_content&view=article&id=20&Itemid=20).

ICZM PARTICIPATION PRACTICES IN EUROPE

OURCOAST is a three-year project commissioned by the European Commission to support the exchange of experiences and best practices in coastal planning and management. OURCOAST produced its first brochure on Participation practices in Europe. The brochure describes mechanisms of participation, and provides a selection of case studies and practical examples of how participation can be put into practice -

<http://ec.europa.eu/environment/iczm/ourcoast.htm>.

ECOSYSTEM-BASED ADAPTATION TO CLIMATE CHANGE

The IUCN publication entitled "Building resilience to climate change: ecosystem-based adaptation and lessons from the field" contains eleven case studies covering different ecosystems and regions around the world. Its aim is to summarize some current applications of the Ecosystem-based Adaptation concept and its tools used around the world, and also to draw lessons from experiences in conservation adaptation -

http://www.iucn.org/knowledge/publications_doc/publications/?6297.

COASTAL ZONE CANADA 2010

The "Coastal Zone Canada 2010 Conference" was held on 25-29 July 2010 in Charlottetown, Prince Edward Island. The Conference focused on the challenges and opportunities of coastal management; linking land and ocean planning and management; strengthening coastal communities; and planning for the impacts of climate change. The Conference Statement and several of the paper presentations, including a keynote address on oil spills and the offshore and coastal environments, are available at

<http://www.gov.pe.ca/czc2010>.

CAPACITY FOR CLIMATE CHANGE ADAPTATION IN NEW BRUNSWICK MUNICIPALITIES

The study aimed to determine: the current state of knowledge related to climate change; the concerns of officials and/or staff about climate change and its effects; the capacities that municipalities have to deal with climate change issues; the plans, resources etc. that have been put in place; and what needs to be done to build more capacity and resources to deal with a changing climate at the local government level -

http://www.mta.ca/rstp/etf_rstp_%20municipal_cc_adaptation_final.pdf.

ADAPTING TO CLIMATE CHANGE IN THE US

"Adapting to Climate Change: A Planning Guide for State Coastal Managers" was developed by NOAA's Office of Ocean and Coastal Resource Management to help coastal managers develop and implement adaptation plans to reduce the risks associated with climate change impacts. The guide provides the context for adaptation planning and includes steps for setting up a planning process, assessing vulnerability, devising a strategy, and implementing the plan -

<http://coastalmanagement.noaa.gov/climate/adaptation.html>.

RESTORING THE GULF OF MEXICO

The Nature Conservancy's "Gulf 20/20" report outlines key actions needed to restore the health and productivity of the Gulf of Mexico. Actions include: restoring key bays, estuaries and rivers considered critical to the Gulf's survival; ensuring any future oil and gas development is carried out in a safe and sustainable manner; investing in science and research to inform decision-making and restoration plans; and establishing a coalition to seek a sustainable future for the Gulf -

<http://www.nature.org/pressroom/press/press4579.html>.

BEST PRACTICES FOR MARINE SPATIAL PLANNING

The Global Marine Team of the Nature Conservancy convened a workshop on "Marine Spatial Planning in Practice: Lessons Learned and Best Practices" (June 2009 in Santa Cruz, California). The Workshop report includes advice on key issues: geographic planning boundaries; planning scale and resolution; data collection and management; multi-objective planning including aims and outcomes; and interactive decision support - http://www.nature.org/initiatives/marine/files/msp_best_practices.pdf.

INNOVATIVE APPROACHES TO UNDERSTAND, PROTECT AND VALUE ECOSYSTEM SERVICES ACROSS LINKED HABITATS

The UNEP publication provides a synthesis of the current state of knowledge regarding the natural capital of water related ecosystems and offers an overview of the innovative approaches that can support the analysis of the links between interconnected ecosystems. It analyzes the linkage across coastal ecosystem and the 'value added' in terms of ecosystem services (benefits), provided by the linkage as opposed to the services provided by just one system. The environmental, economic, management and social aspects of the linkages between ecosystems are examined -

http://www.unep.org/publications/contents/pub_details_search.asp?ID=4116.

CSO WHITE PAPER ON CLIMATE CHANGE ADAPTATION

The US Coastal States Organization (CSO) has released a white paper on "The Faces of Climate Change Adaptation: The Need for Proactive Protection of the Nation's Coasts". The paper explores how coastal states are particularly vulnerable to climate change and examines how some states have begun to adapt to climate change -

<http://www.coastalstates.org/uploads/CSO%20White%20Paper%20on%20Climate%20Change%20Adaptation,%20May%202010.pdf>.

CLIMATE CHANGE INDICATORS IN THE UNITED STATES

The US Environmental Protection Agency report presents 24 indicators, each describing trends related to the causes and effects of climate change. It focuses primarily on the US, but in some cases global trends are presented to provide context or a basis for comparison. EPA will use these indicators to collect data and generate analyses to monitor the effects/impacts of climate change and to assist decision-makers on how to best use policymaking and program resources to respond to climate change -

<http://www.epa.gov/climatechange/indicators.html>.

GIS TO SUPPORT THE ECOSYSTEM APPROACH TO FISHERIES

This FAO technical paper provides background information and technical guidelines to promote the use of Geographic Information Systems (GIS) in marine fisheries in support of the implementation of the ecosystem approach to fisheries. The planning considerations for an appropriate GIS in terms of objectives, scope and geographical area are outlined. The practical considerations are discussed and include hardware architecture, various software possibilities, sources and types of data that will be needed, and the array of backup and support that is available -

<http://www.fao.org/docrep/012/i1213e/i1213e00.htm>.

- NOAA's Coastal Services Center has released "Local Strategies for Addressing Climate Change: Volume Two". This special edition of the Coastal Services magazine focuses on the activities of coastal resource managers in the US that directly and indirectly address the impacts of climate change -

<http://www.csc.noaa.gov/publications.html>.

- NOAA's Coastal Services Magazine is a bi-monthly publication that profiles the efforts of state, community, and non-profit coastal programs. The November/December 2010 issue includes articles on: the Smart Growth concept; the 'StormSmart Coasts' website; and 'Sharing Shoreland' information in Minnesota - <http://www.csc.noaa.gov/magazine/2010/06/index.html>.

- The International Coastal Atlas Network (ICAN) has released a compilation of the results of four international workshops entitled "Coastal Informatics: Web Atlas Design and Implementation". This publication presents the emerging development of coastal web atlases through a series of case studies -

<http://icoastalatlans.net/handbook>.

- The European Environment Agency has released its fourth Environment State and Outlook report entitled "SOER 2010". The report consists of: thematic assessments on key environmental issues; an assessment of global megatrends relevant for Europe's environment; country assessments; and an integrated synthesis report - <http://www.eea.europa.eu/pressroom/newsreleases/butterflies-or-business-europe-can>.

- Land-Ocean Interactions in the Coastal Zone (LOICZ) is a core project of the International Geosphere-Biosphere Programme and the International Human Dimensions Programme on Global Environmental Change. The current issue of the LOICZ INPRINT newsletter is available at

http://www.loicz.org/imperia/md/content/loicz/print/newsletter/inprint_online_2010_3_klein.pdf.

- The Coastal Connections Newsletter is a bimonthly publication from NOAA on tools for coastal resource managers. The October/November issue focuses on how to advance community dialogue on climate change adaptation without alienating the audience - <http://www.csc.noaa.gov/newsletter>.

- The National Trust in the UK has prepared a short film on how it is adapting to, and dealing with, climate change and sea level rise issues on some of its vulnerable coastal properties -

<http://www.nationaltrust.org.uk/coastline>.

- A report from the US National Research Council provides 71 metrics or observations - such as sea-level rise, seasonal snow cover, and air quality - that when taken together may give advance warning of climate-related changes and their impacts across a range of both local and global scales -

http://www.nap.edu/catalog.php?record_id=12965.

- Restore America's Estuaries has released the "Findings of the National Blue Ribbon Panel on the Development of a Greenhouse Gas Offset Protocol for Tidal Wetlands Restoration and Management: Action Plan to Guide Protocol Development" - <https://www.estuaries.org/climate-change.html>.

- The European Community and all of the EU Mediterranean Member States are contracting parties to the Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean (Barcelona Convention). On 13 September, the Council of the European Union adopted the decision to ratify the ICZM Protocol to the Barcelona Convention. The ICZM Protocol is available at <http://ec.europa.eu/environment/iczm/barcelona.htm>.

- Land-Ocean Interactions in the Coastal Zone (LOICZ) is a core project of the International Geosphere-Biosphere Programme and the International Human Dimensions Programme on Global Environmental Change. The current issue of the LOICZ INPRINT newsletter is available at http://www.loicz.org/products/publication/inprint_latest/index.html.en.

- NOAA's Coastal Services Magazine is a bi-monthly publication that profiles the efforts of state, community, and non-profit coastal programs. The September/October 2010 issue includes articles on planning for coastal hazards; planning to adapt to climate change in Florida; and lessons from Alaska and Oregon on dealing with oil spills - <http://www.csc.noaa.gov/magazine/2010/05/index.html>.

- UNEP has published Factsheets on each of its six priority areas: Climate change; Resource efficiency; Disasters and conflicts; Environmental governance; Harmful substances and hazardous waste; and Ecosystem management - <http://www.unep.org/publications/contents/relatedlinks.asp>.

- The book entitled "Introduction to Coastal Processes and Geomorphology", by Robin Davidson-Arnott, University of Guelph, is a complete guide to the processes at work on coastlines and the features seen in coastal systems across the world. Ordering information is available from online bookstores, including <http://www.chapters.indigo.ca>.

- The Atlantic Climate Adaptation Solutions aims to improve the ability of Atlantic Canadians to prepare for climate change by integrating adaptation measures into a variety of commonly used planning and decision-making processes. The three-year initiative is aimed at local issues such as coastal erosion, flooding and groundwater resource management - <http://www.nrcanrncan.gc.ca/media/newcom/2010/201021-eng.php?PHPSESSID=de9feaf39cc642aefc7f87e0a9968924>.

- The "Report on the scientific basis for and the role of marine sanctuaries in marine planning" was prepared for the Inter-Departmental Committee for the Management of the States Marine Protected Areas in Western Australia. The report includes specific conclusions about the role and benefits of marine sanctuaries, primarily for conservation of biodiversity and for fisheries management purposes. It also makes recommendations for incorporation into the policy framework for marine planning - <http://www.dec.wa.gov.au/content/category/40/952/2323/>.

- The final report of South Carolina's Shoreline Change Advisory Committee identified four broad goals for improved shoreline management in the state that are focused on beachfront management and parallel issues facing estuarine and sheltered coastlines of South Carolina, and policy and management recommendations for addressing those issues - http://www.scdhec.gov/environment/ocrm/science/shoreline_comm.htm.

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
jrchsu@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
UNIVALI-CTTMAR
Rua Uruguai, 458, Centro
Itajaí, SC,
BRAZIL CEP 88302-202
klein@univali.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