

newsletter

Union Géographique Internationale
International Geographical Union
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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.

Message from the Chair

In the last Newsletter I took the opportunity to editorialize about coastal natural hazards in general, and the December 2004 Asian tsunami in particular. Several things we know. To the extent that earthquakes remain unpredictable, co-seismic tsunami also remain unpredictable. As most tsunami are co-seismically generated, most tsunami cannot be predicted. At best (with currently available technologies) tsunami may be detected after their generation and, hopefully, warnings issued when warranted. An ever-expanding warning network is being deployed in regions where seismic history and understanding of plate tectonics indicate a high probability of future events – mainly along subduction zone margins. For many future events, some degree of warning can be expected. But what about the anomalous event? What about mega-tsunami?

There is an increasing body of evidence that suggests there have been numerous mega-tsunami in recent (millennium-scale) earth history, many occurring in regions considered seismically quiescent. These are events with wave heights in excess of several dozen meters. Geomorphic and sedimentological signatures associated with mega-tsunami have been described in Australia, the Mediterranean, and the Caribbean, among other locales. Some have argued, however, that the evidence points to the occurrence of extreme storm events. Regardless of their origins, the signatures indicate events of magnitudes beyond anything experienced by modern society. If the sedimentological and geomorphological evidence for these extreme events, or the debate about the origins of the evidence, or the degree of threat posed by such events intrigues you, consider participating in the field symposium being organized by Dieter Kelletat and Anja Scheffers. This is IGCP Project 495: First International Tsunami Field Symposium, and it will be convened on the Island of Bonaire, March 1-6, 2006. Details of the symposium are presented below, and a registration form is included near the end of this Newsletter. See and discuss some compelling deposits, and form your own opinions. Do your homework by reading Scheffers et al. (2005) in the March issue of *Journal of Coastal Research*, an excellent and recent overview.

Please note some of the imminent meeting opportunities, described below, with sessions sponsored or co-sponsored by CCS. Many of these are closed to paper and poster entries at this date, but attendees are

still welcome! Note that there are, however, several important meetings slated for 2006. In particular, note the IGU Regional Congress to be held in Brisbane, Australia, in July 2006. CCS has requested 4-6 sessions for the meetings, and Colin Woodruffe is the lead contact for interested parties. Include this congress on your 2006 calendar and escape Northern Hemisphere summer for a week or two.

The International Bibliography of Coastal Geomorphology is finally being put to bed. Dr. Leonie van der Maesen's heroic efforts to complete the eight year effort have resulted in an outstanding compilation. We also believe that this publication will enjoy the widest circulation of any of our International Bibliographies of Coastal Geomorphology. The Coastal Education and Research Foundation has agreed to distribute a CD version of the bibliography as *Journal of Coastal Research Special Issue 46* (2005). The CD will be enclosed with a regular mailing of the *Journal of Coastal Research* to all subscribers. Copies will also be made available to contributors by mailing Dr. van der Maesen (see information toward the end of this Newsletter). The CD will also be available for purchase through CCS, under conditions still under negotiation.

And a last thought for now. Human development in the coastal zones continues at unprecedented intensities. Internationally, much of the development occurs with an implicit view that present environmental conditions are normal (although there are a few very important exceptions to this complacency – e.g., in The Netherlands). This perception has been supported by the relatively small degree of change over the last few centuries. Indeed, Spencer Weart, in his book *The Discovery of Global Warming* (Harvard University Press, 2003), notes that the climate since the end of the Younger Dryas has been the most constant in the last 400,000 years. Therefore, environmental change must be viewed as a threat to much of the coastal (and other) development that has occurred through the rise of civilization! It is widely understood that human activities are now contributing substantially to global ocean and atmospheric warming. One consequence of this warming is sea level rise. Another is likely to be increased frequency and magnitude of severe storms. Both of these consequences undeniably threaten coastal resources. Would it be better if global cooling were going on? If we presume that global climate will not be constant, the atmosphere and oceans must cool off or warm up. Which would we prefer? I look forward to your thoughts (and we will include selections in the next Newsletter, along with some responses to the last Tsunami editorial).

DOUG SHERMAN

*****COASTAL COMMISSION MEETING*****

March 1-5, 2006, IGCP Project 495: First International Tsunami Field Symposium, Bonaire.

Dieter Kelletat and **Anja Scheffers**, Germany, have offered to organize a field symposium on Bonaire Island with the theme "High Magnitude-Low Frequency Events at the Coast: Tsunami and Hurricanes," emphasizing field evidence for such events in a portion of the Caribbean. For those who are interested in learning more about the Field Symposium, you are asked to complete the form attached to the end of this communication and to submit it to Dieter Kelletat.

3-7 July, 2006. IGU Regional Congress Brisbane, Australia.

AND

13-17 July 2006, CoastGIS '06, Extending the Spatial Data Infrastructure

Colin Woodruffe, Australia, informs us that there will be coastal sessions planned for the Regional IGU meeting in Brisbane. This will be followed by a CoastGIS '06 meeting in Woolongong and Sydney. Colin is serving as the lead person for coastal sessions at the IGU meeting and is a co-organizer for the CoastGIS gathering. Please express your interest in either of these meetings by contacting Colin at:

Prof. Colin Woodroffe
School of Earth and Environmental Sciences,
University of Wollongong,
Wollongong, NSW 2522
Australia

**Register your interest in the CoastGIS '06 with Ron Furness at the following:
rfurness@ozemail.com.au**
The conference Website is: www.uow.edu.au/science/eesc/conferences/coastgis06.html
or www.coastgis.org

Extended Abstracts (to 1,000 words) are called for and are due by 31 December 2005.

REPORT ON MEETING

Coasts and GIS

CoastGIS'05 was held in Aberdeen 21-23 July 2005. The meeting was the 6th in the series of conferences on GIS and Computer Cartography for Coastal Zone Management. Organised by **David R. Green**, it attracted a wide range of participants from 21 countries. A focus of the meeting was defining and building a marine and coastal spatial data infrastructure. The symposium, together with exhibitors, offered a particularly valuable forum to exchange and discuss ideas relating to the development and implementation of spatial data infrastructure for linking marine and terrestrial data in the coastal zone. The scientific papers on the first day of the conference described how disparate data is being shared between coastal communities and how it strengthens marine and coastal research. Significant developments in spatial data infrastructure have occurred in the United States and the United Kingdom since CoastGIS'03, and these have been paralleled by increased interoperability and harmonization in marine and coastal data in Canada, Ireland and Australia. There were also presentations on the integration of information systems in several European countries, including France, Italy, Germany and Spain, as well as developments in Nigeria and Indonesia. On the second and third day, the use of geospatial coastal data was considered in relation to such diverse topics as environmental pollution and monitoring, marine protected areas and ecosystems, climate change and coastal morphodynamics. The conference also involved a series of workshops, including one organized by NOAA on risk and vulnerability assessment, European projects MOTIIVE and ECO-IMAGINE, and the launch of the OCEANS 21 Initiative which is a co-operative program of IOC and IGU on GIS for Coastal Management and Coastal Education co-ordinated in the UK by David R. Green. Ian Hay Project Officer of the newly formed East Grampian Coastal Forum Partnership (EGCP) in Scotland, UK, also took this opportunity to launch their website

Plans are well under way for CoastGIS'06 which will be held in Wollongong and Sydney, New South Wales, Australia, 13-17 July 2006. The theme will be GIS for the coastal zone: spatial data. modeling and management. Preliminary details of this, the seventh international conference are available on: <http://www.uow.edu.au/science/eesc/conferences/coastgis06.html>

The CoastGIS'06 conference is being held in the week after the International Geographical Union (IGU) conference in Brisbane which is in the first week of July. There will be several related sessions at IGU, including a session on coastal systems proposed by the Commission on Coastal Systems; a session on marine spatial data, directly related to Oceans 21, supported by the Commission on Marine Geography, and the Commission on Geographic Information Science; and probably also a session on natural disasters focusing around the Aceh tsunami, and reflecting the IGU Resolution on Natural Disasters. If you are

interested in participating in the coastal sessions at either IGU or CoastGIS'06, and for further information, contact **Colin Woodroffe**, colin@uow.edu.au.

CCS CO-SPONSORED MEETINGS

24 -28 August 2005 Fortaleza, Ceará, Brazil
FIRST BRAZILIAN SYMPOSIUM ON DUNES SYSTEMS
INTERNATIONAL SYMPOSIUM ON COASTAL DUNES
“Management and sustainable development”

Papers and Abstracts Deadline June 15, 2005

In Brazil, the dunes are particularly developed especially along the northeastern coastal zone. However, though this importance, specific studies still are little developed, over all aspects. Some generating centers of production come, however, developing basic research on the subject - it is the case of the south of the Country, especially the states of Rio Grande Do Sul and Santa Catarina, where already exists relative accumulation of research on coastal dunes, as well as more dedicated researchers on this subject. In São Paulo and Bahia, generating center of research on coastal and continental dunes come agglutinating itself around some researchers. In the northern Northeast, where it is found the greater and more significant fields of Brazilian dunes, of magnitude and also world-wide importance, a center of research on coastal dunes comes being structured in the state of Ceará, but it still has little insertion of important number of researchers.

In spite of the little specific Brazilian production directed toward dunes, the interest of world-wide recognized researchers in relation to the Brazilian dunes is sufficiently significant - thus it is that today exists research projects in progress involving the biggest world-wide specialists in the states of Rio Grande Do Sul, Santa Catarina and Ceará. However, it has enormous discrepancy between the accumulated knowledge by these specialists and the Brazilian researchers. The international researches have been coming annually to Brazil, participating of scientific expeditions, publishing articles in team - but still, they control the scientific knowledge. Therefore, it makes urgent and necessary the formation of new researchers and the consolidation of the existing groups in the production of the knowledge on coastal and continental dunes, suitable on this form with the importance of the Brazilian dune field and with the necessity of ingression in the local academic production of the world-wide scene.

Objectives

To foment the development of research groups involving professors, post-graduation and graduation students directed toward the knowledge of the origin, evolution, management and of sustainable use of dune systems, as well as to implement scientific exchanges with international centers in which these subjects are developed.

Justification

The form and the place of the accomplishment of the event, the first in Brazil and the fourth in the world, will propitiate such integration and foment. With effect, the symposium will be carried through in the Jericoacora beach, where the dune fields are only - they represent the biggest individual barchan dune field in coastal zones in the whole world, with single dunes completing 500 to 600 meters width and extension, with 55 to 53 height and age up to 1.200 years. To allow the discussion in full center of this magnificent dune field, appropriate tents will be set up to the equipment handling in strategical places, with the support of the Instituto Brasileiro de Recursos Renováveis - IBAMA, Secretaria de Turismo and Secretaria da Ciência e Tecnologia of Ceará, and City halls.

Organizers

Prof. Dr. Haim Tsoar (Ben-Gurion University of the Negev, Israel)
Prof. Dr. Luis Parente Maia (Federal University of Ceará, Brazil)

email for contact: dune@vceventos.com.br

visit the symposium website at: <http://aoceano.org.br/dune/index.php>

7-11 SEPTEMBER, 2005, ZARAGOZA, SPAIN

Sixth International Conference on Geomorphology

The Conference Organizing Committee, on behalf of the International Association of Geomorphologists (IAG), has the pleasure in inviting all geomorphologists and others in related fields to participate in the scientific and social program of the Sixth International Conference on Geomorphology in Zaragoza (Spain).

The Spanish territory is characterized by marked topographic contrasts and a high mean altitude (660 m) due to the presence of extensive plateaus and numerous ranges, with peaks up to 3000 m in the Pyrenees, Betic Cordillera and Canary Islands. The location of the Iberian Peninsula, between the Atlantic and Mediterranean seas, causes a significant climatic variability. The northern sector of Spain has a humid climate, whereas most of the rest of the Peninsula is dominated by semiarid conditions. The alpine and subtropical environments are represented in the high mountains and in the Canary Islands, respectively. This climatic variability controls the type of active geomorphic processes and the resulting landforms. On the other hand, the Spanish coasts have splendid landscapes, like extensive marshes, rías and rugged cliffs. The Iberian Peninsula, affected by the Hercynian and Alpine tectonic cycles, has a great lithological diversity, favoring the development of structural landforms. There are magnificent examples of granitic, volcanic, karst and badlands landscapes. This high geomorphological diversity, with amazing environmental contrasts in a small portion of the Planet is an excellent excuse **to invite all geomorphologists to this International Conference.**

A wide variety of pre- and post-conference field trips and social events have been planned. Additionally, several social events, cultural visits and trips will be prepared for accompanying persons.

Cari Zazo, Madrid, mcnze65@mncn.csic.es, informs us that there will be sessions on Coastal Geomorphology, S-9, and there will be several pre- and post-Conference field trips to visit portions of the Iberian peninsula as well as neighboring islands. The Coastal Commission is a co-sponsor of Field Excursion A-7, Mallorca Island.

May 2-4, 2006, PORTO, PORTUGAL

2006 COASTLAB06, Preliminary Announcement and call for abstracts

1st International Conference on the Application of Physical Modelling to Port and Coastal Protection. Faculty of Engineering of the University of Porto, Portugal

This conference will provide a general forum for enhancing interdisciplinary interactions, dialogue, and cooperation among scientists interested in physical coastal modelling, as well as laboratory equipment suppliers.

This is the first call for papers. All interested persons are invited to submit abstracts for consideration. Both oral and poster presentations will require an abstract.

Original papers on physical model experiments both on scale and in prototype are invited. Practical papers detailing the design, construction, instrumentation and results of model tests, as well as theory, measurement, analysis and modelling for the following topics are encouraged.

- § Waves: generation, theories, prediction;
- § Structures: types, interactions and structural responses;
- § Measuring Techniques: pressures, velocities, forces;
- § Erosion/Scour: assessment, control;
- § Scale Effects: control, techniques;
- § Natural Hazards Assessment.

All abstracts should be emailed as one word-file attachment to fpinto@fe.up.pt . **Deadline for receipt of abstracts is October 15, 2005.**

Registration forms and fees, as well as other relevant information on the conference are available on the conference web site <http://www.fe.up.pt/~lpneves/coastlab06> .

13-17, July, 2006, in Wollongong and Sydney, Australia.
CoastGIS 2006, 7th International Symposium on computer Mapping and GIS for Coastal Zone Management

This, the seventh in the series of international symposia on GIS and Computer Mapping for Coastal Zone Management, will take place in Australia immediately after the IGU Regional Conference in Brisbane. The first three days of CoastGIS 2006 will be in conference format and will be held on the beautiful campus of the University of Wollongong, NSW, Australia. We will spend a day on field trips on the Sunday and feature an optional sail up the coast to Sydney on board an old sailing vessel (maximum of eighty delegates). There will be a bus field trip up the NSW coast for those who do not sail. We will feature on the Monday, a visit to the world famous Sydney Harbour site of the Sydney Olympic Games, held in 2000, where the challenging restoration of the estuarine site is now considered world's best practice. Preliminary information regarding the symposium is available at:

http://www.uow.edu.au/science/eesc/conferences/coastgis06_prelim_announce2.pdf

You may also register your interest with Ron Furness at: rfurness@ozemail.com.au Or visit the website: www.uow.edu.au/science/eesc/conferences/coastgis06.html or www.coastgis.org

OTHER MEETINGS

22-26 August 2005, Cairns, Queensland, Australia
Dynamic Planet 2005

The International Association for the Physical Sciences of the Oceans (IAPSO) will hold a Joint Assembly in cooperation with the International Association of Biological Oceanography (IABO) and the International Association of Geodesy (IAG) <http://www.dynamicplanet2005.com>

The Organising Committee invites YOU to register for Dynamic Planet 2005. Register now to take advantage of the Early Bird Registration Fee CUT OFF DATE 30 MAY 2005

https://ei.im.com.au/ei/getdemo.ei?id=223&s=_19U0MQFQP

CALL FOR PAPERS - CLOSING DATE 29 APRIL 2005

The Scientific Program Committee is calling for abstracts for oral and poster at the conference – all information on themes and abstract submission can be found on the conference website

<http://www.dynamicplanet2005.com/callforpapers>.

Abstract submissions close on 29 April 2005.

ACCOMMODATIONS You are encouraged to book your accommodation through the Conference Secretariat to ensure that you receive very competitive rates. The Accommodation Page of the website contains information on hotels and rates and all bookings can be taken on-line.

September 6-10, 2005, COMO, ITALY

"DARK NATURE": RAPID NATURAL CHANGE AND HUMAN RESPONSES

The Como 2005 Congress represents the concluding event of the ICSU-funded Project "Dark Nature - Rapid Natural Change and Human Responses", awarded to a consortium of organizations headed by IUGS (International Union of Geological Sciences through its Geoindicator Initiative), and including IGU, IUGG, INQUA, IGBP (web page: <http://www.mun.ca/canqua/ICSU-DN/>)

The meeting will take place at Villa Olmo, a beautiful historic palace built in the neoclassic style by Marquis Innocenzo Odescalchi in (1782 - 1797), and located directly on the shores of Lake Como.

IMPORTANT DATES AND INFORMATION

Funds to subsidize younger researchers will be available. Applications, including abstracts, must be received by June 30, 2005. Funds will be allocated and applicants notified by July 15, 2005; please visit the meeting webpage for details. Deadline for abstract submission: July 15, 2005. Early registration fees (Congress and Field Trip): July 15, 2005. Deadline for hotel reservations is July 15, 2005; after this date hotel reservation cannot be guaranteed. For downloading the first circular, and update information on the scientific program, abstracts submission, registration and hotel accommodations please check the Meeting Web Page at <http://scienze-como.uninsubria.it/ambientale/sitodn/index.html>

RATIONALE

Natural catastrophic events, as tragically evidenced by the Sumatra earthquakes of December 2004 and March 2005, can destabilize the social and economic status, not only of the people directly hit by the events, but, due to the present globalized scenario, of the whole world. Events such as earthquakes, volcanic eruptions, and tsunamis, which are not caused by human activities, are usually underestimated by politicians and local administrators all over the world, as testified by the consequences of the above mentioned catastrophes (in terms of damages to properties and loss of life) in areas where no actions had been taken to reduce the vulnerability of the populations at serious risk. In order to attain an adequate degree of sustainability, society needs to make a major effort aimed at the prediction, prevention and mitigation of the effects of natural catastrophic events, especially those capable of causing profound social, economic and even cultural transformations. By investigating the effects that rapid natural changes have had on societies and civilisations that preceded us, we might be able to contribute to a new perspective, based on a more careful recognition of the role played by nature in bringing rapid and radical changes to the Earth's surface.

The key issues of the Dark Nature project are:

- the need to clearly separate natural causes of environmental catastrophes, from man-induced ones;
- the elaboration of a new meaning/model of sustainability, that takes into account the influence of sudden natural changes on society;
- the need to integrate the implications of such changes into the general strategy of sustainable development, both at the global and at the local level.

THE COMO MEETING

The meeting will be multidisciplinary. Many participants will be from the earth and other natural sciences, but they will find themselves in dialogue with social scientists, scholars from the humanities, end-users, and experts from the media. The main topics which will be presented and discussed at the Como 2005 event, are grouped in 2 categories, 1) global perspective and 2) Italy-focused case studies.

1) Specific room will be devoted to the discussion of the lessons learned during the other meetings of the DN Project in Mauritania (January 2004), Mozambique (November 2004), Iran (May 2005), Argentina (March 2005), and Canada (June 2005). The key issues include:

- the refinement of the record of rapid environmental changes affecting physical environments and

ecosystems during the last 11,500 years (the Holocene);
- the meaning of sustainability in areas subject to rapid natural changes;
- natural hazards and the media;
- relationships between rapid geological change and the socio-economical setting of the affected areas.

2) Italian case studies will include:

- the new data collected during recent studies of the great lacustrine basins of Lombardy (Lario and Sebino);
- the prevention and mitigation of seismic and volcanic risk in Italy;
- the archeological evidence for human responses to natural events in Northern Italy.

A special session will be dedicated to the environmental effects of earthquakes and new approaches to their assessment, including the new macroseismic intensity scale based on coseismic ground effects (INQUA Scale Project).

A one-day field trip in the Lake Como area will take place at the end of the Congress.

The Second Circular will be distributed in late June, with full information on the scientific program and schedules.

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11-15 September, 2005, Anchorage, Alaska
Geomorphology and Fish Habitat Symposium, American Fisheries Society

Extended call for posters:

Additional titles for a companion poster session are still beconsidered for the Symposium: "Geomorphology and Fish Habitat" for the American Fisheries Society 2005 Meeting in Anchorage Alaska, September 11-15, 2005.

The deadline for submitting titles and abstracts for the poster session is March 4, 2005. If interested, please submit a title and author to: Michael Porter at MPorter@uc.usbr.gov

September 15th 2005, at English Heritage Centre, 23 Savile Row, London.
Offshore Development - New Frontiers of Opportunity. A CoastNet Conference

The Coast and seas are busy places, and managing these areas in a sustainable manner must take into account some very complex issues and a multiplicity of requirements. With 250 government agencies and local UK coastal authorities with responsibility in the coastal zone, as well as numerous commercial, recreational and conservation organisations, it is inevitable that conflicts of interest can arise.

The aim of the conference is to:

- * explore how new technology from Europe and around the world is enabling new uses for the marine environment and how its impacts are managed
- * consider opportunities for offshore development

- * consider how such development can benefit the coastal regions economically and socially
- * examine how development can be integrated into long term strategies for coastal management
- * examine how problems have been solved or mitigated

This conference will promote new ideas and new understanding between the relevant industries, policy makers, planners and environmental groups.

All of the details on the above conferences can be found at: www.coastnet.org.uk, as well as draft programmes. Should you need further information or indeed wish to register for the conference, please contact us,

Pat Stitt
CoastNET Administrator
CoastNET
email pat@coastnet.org.uk
phone 01206 728644
Charity number 1055763

19-23 September, 2005, Koksijde, Belgium

Dunes and Estuaries 2005

International Conference on: Nature Restoration Practices in European Coastal Habitats

The conference program runs over four days and consists of invited papers, plenary oral presentations, a series of parallel thematic workshops, excursions and a poster session. Emphasis is on a maximal contact between participants and on the interchange of practical information, by including two half-a-day excursions, and two blocks of three (parallel) thematic workshops. There are two types of oral presentations: (1) plenary oral presentations of 20' each; (2) short 'provocative' presentations of ca. 5' each as an introduction to the thematic workshops. Both types of orals will be fully acknowledged in the proceedings and guarantee a full response of the audience.

There will be seven topics, most of them shaped into a plenary oral session and a thematic workshop:

- (1) Coastal Conservation Policies: acquisition of target areas & inventory of initiatives;**
- (2) Technical aspects of nature restoration activities & management planning;**
- (3) Role of scientific research in the planning and the monitoring phase;**
- (4) Tourism/recreation and nature development/restoration;**
- (5) Nature restoration/development in harbours;**
- (6) Shore-line management;**
- (7) Hydrology and management of dunes & estuaries.**

Further information is available at: <http://www.vliz.be/de2005>

Or contact the conference secretariat:

Flanders Marine Institute (VLIZ)
Vismijn Pakhuizen 45-52
B-8400 Oostende, Belgium
Fax: +32-(0)59-34 21 31
E-mail: de2005@vliz.be

22 September, 2005 Edinburgh, Scotland, UK

'ADAPTIVE MANAGEMENT AND LOCAL SPECIFICITY IN ICZM. DO WE HAVE THE APPROPRIATE INSTITUTIONAL STRUCTURES IN PLACE TO MEET THE CHALLENGE OF THE EU ICZM RECOMMENDATION?'

Coastnet is organizing a conference that aims to explore the nature and adequacy for integrated coastal management of the institutional structures in North West Europe. Marine Spatial Planning, which is being explored in many countries will provide a special focus. Please see attached draft programme outlining session themes and key questions to be addressed.

This conference is part of a series partially funded through the Corepoint Project under the Interreg 3B Programme. Corepoint aims to establish North West Europe as an internationally recognised region of excellence in Coastal Management by Encouraging full implementation of ICZM, highlighting best practice, providing education and by influencing national spatial policies - for further details please see <http://corepoint.ucc.ie>.

If you would like to provide a presentation at the conference please provide a half page abstract of the proposed presentation by June 24th to Dr T Redding on theresa@coastnet.org.uk or to the address below. All accepted presentations will be notified by July 1st.

If you have any further queries then please do not hesitate to contact me or our Network Manager, Dr. Theresa Redding on the number listed below.

Lucy Bannatyne
Events Co-ordinator
CoastNET
37, High Street,
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Essex CO5 7ET
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27-29 September, 2005. Tabriz, Iran

Geohazards, Natural Disasters, and Methods of Confronting, Tabriz, Iran

The organizing committee has extended the dead line for registration and abstract submission. (Dead line has been moved to February/ 18/ 2005) Other information may be viewed at:

[HTTP://www.tabrizu.ac.ir/Geohazards/Index.htm](http://www.tabrizu.ac.ir/Geohazards/Index.htm) (Please click on the highlighted web address for viewing) For further information, you may contact Geohazards@tabrizu.ac.ir or

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25-29 OCTOBER, 2005, MEDCOAST, KUSADASI, TURKEY

The Seventh International Conference on the Mediterranean Coastal Environment will convene at Pine Bay Holiday Resort Hotel, a five-star conference hotel located at a small private bay of the Aegean Sea. Kusadasi, which is an hour away from the Izmir International Airport, is one of the earliest coastal

resorts on the Turkish Aegean coast. Numerous tourist attractions including the remains of the ancient City of Ephesus, the House of Virgin Mary, Selcuk Museum, Dilek Peninsula National Park, the coast and wetlands of Buyuk Menderes Delta (an important Ramsar site), and the Greek Island of Samos are located in the vicinity of Kusadasi.

The conference program will contain keynote sessions, oral and poster presentations, workshops and special sessions organized in collaboration with other institutions. An exhibit of coastal and marine products and services, research and educational activities will take place in parallel with the conference. A half-day cultural excursion, a full-day technical trip and a rich selection of social events will be included in the program.

Prof. Erdal Ozhan
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<http://www.medcoast.org.tr>

**6-9 November 2—5. 2005 Dartmouth, Nova Scotia
2005 CANADIAN COASTAL CONFERENCE**

31 March is the deadline for submitting abstracts to the 2005 Canadian Coastal Conference. The topics include: Numerical and physical modelling; Development and application of coastal GIS; Acquisition, analysis and interpretation of coastal data; Ice impacts on shorelines; Instrumentation and methods; Design of shore protection; Innovative practices in engineering and shoreline management; Integrated Coastal Management; and Impacts and adaptation to climate change. For information, access <http://www.ccc2005-ccl2005.ca>.

**21-26 NOVEMBER, 2005, NICE, FRANCE
COASTAL GOVERNANCE, PLANNING AND DESIGN AND GI CONFERENCE**

The conference announcement and the call for researchers for the Marie Curie grants (**deadline October 10th, 2005**) are available on the ECO-IMAGINE web site at: www.gisig.it/eco-imagine.

With the occasion, we are also pleased to inform you about the sponsorship of ESRI to ECO-IMAGINE that will allow to award the best contributions and the best poster submitted by the participants. Please follow **ESRI Awards** on the web site for more info and regulations.

Finally, we wish to inform you that the ECO-IMAGINE web site has been revamped to make easier the access to the information and to the **proceedings of the previous events**, now available also for the third event, the training course "The waterfront Management and GI" of last June in Portugal.

The new site hosts a section dedicated the Research ECO-IMAGINE Community, we will be very pleased of your registration and contribution.

We hope you will find these information useful, and to meet all of you in Nice next November, for the fourth ECO-IMAGINE event.

JULY 24-26, 2006, GUELPH, CANADA

The 6th International Conference on Aeolian Research (ICAR VI)

The International Conferences on Aeolian Research bring together researchers interested in the many diverse areas of inquiry focusing on the entrainment, transport and deposition of sediment by wind including the wide ranging applied aspects of aeolian research. Tentative sessions for the meeting include:

1. Mechanics of Aeolian Processes
2. Dust Entrainment, Transport and Deposition
3. Dunes and Dune Systems
4. Coastal Aeolian Processes
5. Paleo Aeolian Systems
6. Anthropogenic Interactions With Aeolian Systems
7. Modeling Dust Transport Systems
8. Modeling Sand Transport Systems

The ICAR VI Organizing Committee hopes to attract individuals and papers from the many different disciplines and research areas focusing on aeolian processes. In particular we would like to attract individuals working on coastal aeolian processes, global dust transport and modeling and anthropogenic effects on aeolian entrainment and transport. It is also our intent to highlight recent research, particularly by younger investigators and graduate students.

The conference will consist of three 3½ days of technical sessions with both oral and poster presentations. Posters will be an important and integral part of the conference and should be viewed as being of equal value to oral presentations. The conference proceedings will be published in special issues of at least two international journals. To date, Dr. Bernie Bauer (University of British Columbia, Okanagan) has negotiated the publication of a special, double volume issue of *Geomorphology*. Negotiations with another leading Journal are also in progress.

In addition to the technical sessions a full day field trip will take place on the Wednesday looking at the coastal dunes of the Lake Ontario, one of Canada's Great Lakes. The field trip will be followed by a barbeque. There will also be a banquet held on the Thursday night. Cost of registration for the conference will be \$350 US Dollars with a reduced Graduate Student registration of \$175 USD. The registration fee covers the conference materials, field trip, barbeque and the banquet. Accommodation will be in addition to the registration (University residence and local hotels will be arranged).

To be placed on the mailing list and to receive further information would you please complete the Request for Registration Information Form on the ICAR VI Web Site through the following link:

<http://www.uoguelph.ca/icarvi/index.cfm>

Formal registration for the conference will begin in October 2005.

For further information please contact:

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Grist and Grains

- NOAA Introduces nowCOAST Web Mapping Portal

In a continuing effort to improve maritime safety and commerce and to monitor physical changes in weather, oceanographic and river conditions, NOAA has introduced nowCOAST:

<http://nowcoast.noaa.gov/> nowCOAST is a Web mapping portal providing the coastal community with real-time coastal observations and NOAA forecasts for major U.S. estuaries and seaports, coastal regions and the Great Lakes. With a few simple clicks of their mouse, users will be able to access thousands of real-time observing stations and forecast locations.

Developed by the NOAA Ocean Service's Coast Survey Development Laboratory, nowCOAST's real-time observations include meteorological, oceanographic, hydrological and water quality data from federal, state and educational observing networks on land and water. The NOAA forecasts include NOAA National Weather Service marine and weather forecasts, atmospheric, oceanographic, and river forecast guidance from NWS computer models, as well as oceanographic forecast guidance from National Ocean Service estuarine forecast models.

"nowCOAST is a valuable tool for safety and commerce, providing easily accessible and up-to-date information for everyone," said NOAA Ocean Service Assistant Administrator Richard W. Spinrad. "Mariners, students and those living in coastal communities will appreciate the convenience of finding all of this information at one Web site."

nowCOAST includes four pull down menus, allowing the user to specify location, type of observation or forecast, variables (e.g. water level, air temperature, wave height); and time. Users control geographic location through standard Geographic Information Systems (GIS) tools, including zooming in and out to change map scale; using the pan tool to move to specific locations; and overlaying different datasets for comparison purposes, such as marine forecasts and coastal observations. By combining these capabilities, nowCOAST provides a rapid way to discover and view a wide range of real-time observational and NOAA forecast information.

Without nowCOAST, Internet users must locate and bookmark numerous Web pages to access NOAA's online forecast products as well as real-time observations from different NOAA branches, other federal agencies, and stations operated by state agencies and universities. The nowCOAST Web portal eliminates these time-consuming steps through its interactive map interface, allowing users to specify particular areas of interest and providing direct access to Web pages displaying observational and forecast information. The portal provides one-stop shopping to current conditions and forecasts in the coastal states.

The nowCOAST Web portal will be monitored in the future by the Continuous Operational Real-Time Monitoring System of the NOAA Ocean Service's Center for Operational Oceanographic Products and Services to ensure reliable operation and that Web links are kept current.

Subject: Machair Study Group

To Members of the Machair Study Group - this is to let you know that we have now started the first Machair newsletter under the editorship of Stewart Angus. If anyone has a short note or point of information about Machair that they would like included, could they please send it to Stewart Angus or Bill Ritchie (you can e-mail it to this address and I will pass it on to Bill) before the beginning of September.

Elaine Ball, Assistant to Lynda Kingham, SOTEAG

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MICHAEL BUTLER (CANADA) shares a wide variety of coastal information with us. His Newsletter is the source of the following information, it is available at: <http://www.dal.ca/aczisc/new>

- C-CIARN COASTAL ZONE REPORTS

Two reports have recently been published by the Canadian Climate Impacts and Adaptation Research Network: 1) "Reducing the Vulnerability of Coastal Trails and Boardwalks to Storm Surge, Flooding,

Erosion and Sea Ice", a summary of a Workshop held in Halifax, Nova Scotia in May 2004; and 2) "Identifying Vulnerability to Climate Change and Challenges of Adaptation for Canada's Coastal Communities", a summary of a special session at the OMRN 2003 Conference held in Ottawa, Ontario in November 2003. The reports are available at http://c-ciarn.bio.ns.ca/reports_e.php.

- US NATIONAL COASTAL CONDITION REPORTS

The National Coastal Condition Reports describe the ecological and environmental conditions in US coastal waters. They summarize the condition of ecological resources in the coastal waters and highlight several exemplary federal, state, tribal, and local programs that assess coastal ecological and water quality conditions. The 2005 National Coastal Condition Report rates the overall condition of US coastal waters as fair, varying from region to region. The reports are available at <http://www.epa.gov/owow/oceans/nccr/>.

- ALTERNATIVES FOR COASTAL DEVELOPMENT

The NOAA Coastal Services Center website, located at <http://www.csc.noaa.gov/alternatives/>, illustrates three different development scenarios - conventional design, conservation design, and new urbanists design - created for a residential area in coastal Georgia, USA. The site features: maps and details of the scenarios; comparisons of environmental, economic, and social indicators; selected 3-D views; a detailed project methodology; and background information and satellite images. This information can be used by developers, citizens, local governments, etc. interested in applying similar development design components in their communities.

- STUDY OF DUNE DEVELOPMENT IN PRINCE EDWARD ISLAND

Six geographers from across North America gathered at Greenwich Dunes, Prince Edward Island National Park in October to collect information which will help to quantify, with a high level of detail, the physical processes that control dune development. The information can be used to predict changes in the coastline due to significant events such as storm surges and ice raft damage and the longer-term impact of sea-level rise. For information, access <http://www.mta.ca/news/index.cgi?id=623>.

TEMPERATURE AND SALINITY DATA FOR THE WORLD'S OCEANS

Argo is an international project to collect information on the upper part of the world's oceans. Currently there are 1500 ocean-traveling float instruments operating. By 2006 there will be 3000 floats producing 100,000 temperature and salinity profiles per year. Applications include: ocean heat storage and climate change; ocean salinity changes due to rainfall; ocean-driven events such as El Niño; impacts of ocean temperature on fisheries and regional ecosystems; interactions between the ocean and monsoons; and how the oceans drive hurricanes and typhoons. For information and to download data and maps, access <http://www.argo.net>

- A report by the Pew Center on Global Climate Change, "Observed Impacts of Global Climate Change in the US", reviews the broad range of ecological changes that have occurred in response to human induced changes in the global and US climate. The report also highlights actions that can be taken to better manage natural resources to minimize the effects of climate change. It is available at <http://ealert.pewclimate.org/ctt.asp?u=437042&l=67971>.

- DISTRIBUTION OF HYDROGRAPHIC CHARTS

Since 1993, the Canadian Hydrographic Service (CHS) digital charts have been distributed by Nautical Data International Inc. (NDI) and its value-added resellers. Fisheries and Oceans Canada is terminating this agreement with NDI as of 4 February 2005. CHS will be considering digital distribution options over the coming months. For information, access <http://www.charts.gc.ca/pub/en/help/chsndi.asp>.

- TSUNAMIS: COASTAL COMMUNITIES IN BRITISH COLUMBIA

The report entitled "An Assessment of the BC Tsunami Warning System and Related Risk Reduction Practices" examines monitoring and detection, emergency management, and public response. The study offers a series of conclusions that could be used to strengthen key components of Canada's west coast tsunami warning system and related risk reduction practices. It is available at

http://www.ocipep-bpiepc.gc.ca/research/resactivites/CI/2003-D001_e.asp.

- MANUAL FOR RESTORATION MONITORING

A new manual developed by NOAA, entitled "Science-Based Restoration Monitoring of Coastal Habitats", outlines the steps for developing an effective restoration monitoring program and offers a means to determine if the restoration is on track, to gauge how well a restoration site is functioning, and to coordinate projects and efforts for consistent and successful restoration. The manual is available at

http://coastalscience.noaa.gov/ecosystems/estuaries/restoration_monitoring.html

- EUROPE'S COASTLINES ERODING INTO THE SEA

A fifth of the coastline of the newly enlarged European Union is eroding, in a few cases as much as 15 metres a year, according to a comprehensive study on the problem of human-induced erosion. The report "Living with Coastal Erosion in Europe: Sediment and Space for Sustainability," was commissioned by the European Commission. It is available at <http://www.euroasion.org/reports-online/reports.html>

- CLIMATE CHANGE AND SENSITIVITY OF COMMERCIAL MARINE SPECIES

The distribution of commercial finfish, shellfish and algae (seaweeds) in waters of Eastern Canada may be affected by global warming. Which species are most sensitive? What temperature changes are expected in the waters of the Canadian Atlantic? The results of a Canadian Climate Impacts and Adaptation Program-funded research project addressing these questions will be presented at a workshop on 19-20 September 2005 in St. Andrews, New Brunswick. For information, access

<http://www.geog.mcgill.ca/climatechange>.

- CANADA'S OCEANS ACTION PLAN

The Government of Canada has announced the release of Phase I of Canada's Oceans Action Plan (OAP) with \$28 million in funding. The OAP serves as the overarching umbrella for coordinating and implementing oceans activities, and provides a framework to sustainably develop and manage Canada's oceans. For information, including a background document, access

http://www.dfo-mpo.gc.ca/media/newsrel/2005/hq-ac47_e.htm. "Canada's Oceans Action Plan: For Present and Future Generations" is available at: http://www.dfo-mpo.gc.ca/canwaters-eauxcan/oap-pao/index_e.asp.

- CANADA'S MARINE PROTECTED AREA STRATEGY

The Federal Marine Protected Area Strategy outlines how Fisheries and Oceans Canada, the Parks Canada Agency and Environment Canada will work together to establish a comprehensive network of marine protected areas that will conserve and protect Canada's natural and cultural marine resources. For information and to download the Strategy, access: http://www.dfo-mpo.gc.ca/canwaters-eauxcan/infocentre/publications/docs/fedmpa-zpmfed/index_e.asp.

- MARINE ECOSYSTEMS AND CLIMATE VARIATION

This recently published book explores a wide range of ecological patterns in the North Atlantic driven by climate and involving phytoplankton, zooplankton, benthos, seabirds and fish. The book focuses on cod, a key predator species that has a central role on ecosystem dynamics. Although the environment is shown to exert significant controls on ecosystem dynamics, the reduced abundance (due to fisheries) of large predators, such as cod, can have major direct effects on the structure and functioning of ecosystems. For information, access <http://www.seararoundus.org/magazines/2005/Sciencetowardecosystems.pdf>.

- BREAKING ICE: RENEWABLE RESOURCE AND OCEAN MANAGEMENT IN THE CANADIAN NORTH

This new book represents the results of a three-year project undertaken by a team of researchers from the Integrated Management Node of Canada's Ocean Management Research Network (<http://www.omrn.ca>). The book attempts to define the nature of competing demands on ocean and coastal resources and assesses their impact. Ordering information is available at <http://www.uofcpress.com/1-55238/1-55238-159-5.html>.

- HANDBOOK: ECOSYSTEM APPROACH GUIDELINES

The ecosystem approach is the primary framework for action under the Convention on Biological Diversity (CBD). Published by the CBD Secretariat, the Handbook documents the 12 principles of the ecosystem approach and their rationale, suggested annotations to the rationales and implementation guidelines. It is available at <http://www.biodiv.org/doc/publications/ea-text-en.pdf>.

- US NATIONAL OFFSHORE AQUACULTURE ACT

On 7 June 2005, NOAA submitted to Congress for consideration and action the National Offshore Aquaculture Act of 2005. The bill would grant authority to issue permits for offshore aquaculture in US federal ocean waters, i.e. the Exclusive Economic Zone. It would also provide environmental and other safeguards to protect wild stocks, marine ecosystems, and other users. For information, access <http://www.nmfs.noaa.gov/mediacenter/aquaculture/>.

- 2005 HURRICANE SEASON OUTLOOK

NOAA hurricane forecasters are predicting another above-normal hurricane season for the Atlantic. In contrast to the Atlantic, a below-normal hurricane season is expected in the Eastern and Central Pacific. For information, access <http://www.noaanews.noaa.gov/stories2005/s2438.htm>.

- UN ATLAS OF OUR CHANGING ENVIRONMENT

The United Nations Environment Programme (UNEP) has recently published an atlas entitled "One Planet Many People - Atlas of Our Changing Environment". The Atlas shows human impacts on the environment with both current and historical satellite imagery. The Atlas is available at <http://www.na.unep.net/OnePlanetManyPeople/AtlasDownload.php>.

- PRELIMINARY STUDY ON THE POTENTIAL OF TIDAL POWER

The Province of New Brunswick will participate in a preliminary study on the potential of tidal power. The site-specific study includes an assessment of the feasibility of tidal power off the Province's coastline, and identifying potential projects and demonstration sites. The study will assess the potential for this new generation of tidal flow, using simple turbines installed on the seabed. It will be carried out by the Electric Power Research Institute (EPRI) - <http://www.epri.com>. For information, access <http://www.gnb.ca/cnb/news/enc/2005e0570en.htm>.

- CANADIAN AND EUROPEAN VIEWS ON GLOBAL OVERFISHING

New public opinion research commissioned by Fisheries and Oceans Canada reports that the general public in both Europe and Canada share a desire to see more severe penalties for those who break international fishing rules, and a belief that science can help save global fish stocks. Canadians identified the main issue as overfishing, while Europeans said the problem is the depletion of fish stocks due to a variety of causes, including overfishing. For information and to download the report, access http://www.dfo-mpo.gc.ca/media/newsrel/2005/hq-ac29_e.htm.

- CORAL CONSERVATION IN EASTERN CANADA

Cold-water corals (also known as deep-sea corals) are an important part of the benthic ecosystem of the

Maritimes. A draft Coral Conservation Plan for the Maritimes Region was released at the 3rd ESSIM Forum Workshop in February. The Plan documents what has been done to date on coral conservation in the region, and provides direction for future action. To obtain a copy of the draft plan or to discuss it in more detail, email Heather Breeze at: breezeh@mar.dfo-mpo.gc.ca.

- AUSTRALIA'S ABORIGINAL 'SEA COUNTRY PLAN'

A natural resource management plan has been launched as part of the Australian Government's first Indigenous "sea country plan". The Kooyang Sea Country Plan identifies management priorities in southwestern Victoria, including more than 700 hectares in Indigenous Protected Areas, and is the first sea country plan to be developed under the Australian Government's regional marine planning program. It is available at http://www.oceans.gov.au/Sea_Country.jsp.

- "Protecting Wild Atlantic Salmon from Impacts of Salmon Aquaculture: A Country-by-Country Progress Report (2nd Edition)", published jointly by World Wildlife Fund and Atlantic Salmon Federation, is available at <http://www.asf.ca>.

- The proceedings of the conference "Adapting to Climate Change in Canada 2005: Understanding Risks and Building Capacity" held in May 2005 in Montréal, Québec are available at http://www.adaptation2005.ca/home_e.html.

- The proceedings of the "2004 US National Beaches Conference" held in October 2004 in San Diego, California are available at <http://www.epa.gov/waterscience/beaches/meetings/2004/index.htm>.

- The Coastal Connections newsletter is a publication of the National Oceanic and Atmospheric Administration Coastal Services Center. The February/March 2005 issue focuses on coastal and ocean economics. It is available at <http://www.csc.noaa.gov/newsletter/2005/issue01.pdf>.

The Amsterdam University Press announces the publication of the following as part of the MARE Series on topics related to ocean and coasts. For more information see www.aup.nl/mare

Jan Kooiman, Maarten Bavinck, Svein Jentoft, Roger Pullin (eds.) Fish for Life: Interactive Governance for Fisheries. An interdisciplinary survey addressing the problems of overfishing worldwide, and the best way forward toward good ecological practice and global cooperative governance isbn 90 5356 686 4, 432 pages, pbk, 2005, €39.50

Eric Wolanski announces a new Springer book that I edited, entitled "**The environment in Asia Pacific harbours**".

See <http://www.springeronline.com/sgw/cda/frontpage/0,11855,1-40422-22-73123674-0,00.html> The book gathers 28 chapters by 60 eminent marine scientists in the Asia Pacific region. It addresses the question of ecologically sustainable global trade.

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The following publications have recently been released by the U.S. Army Corps of Engineers:

ERDC/CHL CHETN-I-69 BOUSS-2D Wave Model in the SMS: 1. Graphical Interface, by Zeki Demirebilek, Alan Zundel, and Okey Nwogu. If you wish to access/download the document (26 pages, 1.7 MB) in pdf format, the address is: <http://libweb.wes.army.mil/uhtbin/hyperion/CHETN-I-69.pdf>

ERDC/CHL CHETN-IV-63 Representation of Nonerodible (Hard) Bottom in Two-Dimensional Morphology Change Models, by Hans Hanson and Adele Militello. If you wish to access/download the document (15 pages, 1.3 MB) in pdf format, the address is: <http://libweb.wes.army.mil/uhtbin/hyperion/CHETN-IV-63.pdf>

ERDC/CHL CHETN-IV-64 Coastal Inlet Navigation Channel Shoaling with Deepening and Widening, by Julie D. Rosati. If you wish to access/download the document (11 pages, 396 KB) in pdf format, the address is: <http://libweb.wes.army.mil/uhtbin/hyperion/CHETN-IV-64.pdf>

Kennedy Paynter announces the launching of two live webstreams available for viewing through our lab website. We have added an "ospreycam" to the original "scubacam" streaming video feed. The former shows the nest of a pair of ospreys who have just returned and should have eggs in the nest very soon. The latter is a live video feed from underneath the Chesapeake Biological Laboratory research pier showing underwater life on a small oyster bar. Both should be extremely interesting within a few weeks, once temperatures encourage more benthic activity and the osprey young hatch.

To view the images,

- 1) go to www.oyster.umd.edu,
- 2) click on the "video gallery" link at the top,
- 3) then click on the "streaming webcams" link.
- 4) Click on either image to start the video stream.

Links will not work with Real Player or Windows media player. You will need the latest version of quicktime to view the streams. It can be downloaded at: <http://www.apple.com/quicktime/products/qt/> -Quicktime player is available (free) for both PCs and Macs.

If you have Quicktime, you can view the feeds directly by choosing "open URL" and inputting one of the links below. <rtsp://www.streaming.umd.edu:10554/webhosting/Solomons/ScubaCam.sdp>
<rtsp://www.streaming.umd.edu:10554/webhosting/Solomons/OspreyCam.sdp>

We hope that these images can be used for educational purposes and will provide those of you associated with outreach, K-12 education, or extension a useful tool for engaging the community. Please pass this note along to any and all colleagues who might find it interesting or could use it in their class.

These feeds have been established by a collaboration of the Alliance for Coastal Technologies, the Chesapeake Biological Laboratory, the Paynter Lab, and the Office of Information Technology at UMCP. If you any problems linking to the feeds or questions regarding this effort, please contact Tim Koles at koles@cbl.umces.edu.

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Coastal Commission Project Field Symposium

IGCP Project 495: First International Tsunami Field Symposium, Bonaire, March 1-5, 2006

Registration Form

Name: _____
 Family Name Surname Middle

Affiliation: _____

Professional Address: _____

e-mail : _____

I will take part in the field trips: yes no

I will present a paper on _____

I will present no paper

Paper presentations are planned during the afternoon of the first two days (March 2nd and 3rd) (20 Min. incl. 5 Min. for discussion). The papers should deal with extreme sedimentologic and geomorphologic events at the coastlines of the world (like hurricanes, tsunamis, and others).

Deadline for abstracts (**to Kelletat e-mail adress**) is **Oct., 1st, 2005**.

Deadline for the delivering of manuscripts (acc. to the informations for authors of Zeitschrift für Geomorphologie, only black-and-white-figs.) will be *Febr., 15th, 2006*. Review process immediately will follow the Symposium, publishing of the Proceedings Volume maybe realistic at the end of 2006.

Conference and Field Trip Fees: \$ 200.- US Dollars (without Field Trips: \$ 100.- US Dollars), local guests without field trip are free of charge.

Conference and Field Trip Fees include: Two half-day paper sessions with refreshments, monograph on the coastlines of Bonaire with itinerary for the field trips, Proceedings-Volume (Suppl. Zeitschrift für Geomorphologie, peer-reviewed), two half-day and one full day field trip to sites of hurricane- and tsunami deposits on Bonaire island, informal ice-breaker.

The Symposium will take place at Captain Don's Habitat, Bonaire, P.O. Box 88, Bonaire, Netherlands Antilles, Tel.: 011-599-717-8290, Fax: 011-599-717-8240, Email: Bonaire@HabitatDiveResort.com. You can also make your reservations via the North American Representative (CaptainDon@maduro.com) or via the European Representative (katharina.g@inter-connect-marketing.de). Price for accomodation per person and night in a villa with 2 bedrooms and 2 beds and private facilities each will be about \$ 70.- US Dollar (self-containing, without meals, with AC). A good restaurant is on site. You also can chose another type of accomodation for a higher price. Please identify yourself as a participant of the Tsunami Symposium. Arrival should be on March, 1st, 2006, departure maybe in the evening of March 4th or the morning of March 5th, 2006. Bonaire has international flight connections with North and South America as well as Europe (via Amsterdam).

The Symposium will be organized by Dr. Anja Scheffers and Prof. Dr. Dieter Kelletat, Dept. of Geography, University of Duisburg-Essen, Germany, e-mail: dieter.kelletat@uni-essen.de (contact for any question and more information also by telephone 0049 – 208 – 49 78 77). The Symposium will be sponsored by IGCP 495, Coastal Commission of IGU, Sea Grant Program of the University of Puerto Rico, University of Duisburg-Essen (Germany), and others.

Payment (US \$200.- or \$100.-, resp., excl. fees) may be made to Kelletat, IBAN Code DE 77 362 700 24 0 190 2154 01 at Deutsche Bank Germany, Bank Code DE UTDEDB 362, till Oct., 1st, 2005.

Please indicate, whether you will take part in the field trips (max. 30, on a first come-first serve basis) or not.

Download and copy this form and mail, e-mail or fax it to:

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COMMISSION PROJECTS -- COASTAL BIBLIOGRAPHY

REQUEST TO CONTRIBUTORS TO THE INTERNATIONAL BIBLIOGRAPHY OF COASTAL GEOMORPHOLOGY (1995-2002)

All contributors will receive a copy of the CD of the bibliography. Please send your request and full mailing address to:

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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
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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

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