

# newsletter

Union Géographique Internationale

International Geographical Union

No. 79 - July 2018

Margarita Stancheva, Editor

Norbert P. Psuty, Co-Editor

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**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/>

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## Message from the Chair

I hope you find plenty to interest you in this the 79<sup>th</sup> Newsletter of the Commission on Coastal Systems. It is very encouraging to see the many activities of the coastal research community. Several are directly sponsored by CCS, and, as you will see, some are taking place on more remote, or less well-known, coasts of the world, from Iceland, to northwest Africa and Western Australia. I would like, in particular, to draw your attention to the forthcoming series of monographs to be published in partnership with the International Geographical Union, on contemporary geography, focusing on sustainability (see page 17). Studies of the world's coastlines would seem an excellent topic for this series, and CCS provides a network which could support such a broad overview. If anyone is interested in helping to develop a proposal, we would be pleased to hear from you. I would like to thank all those who have contributed to the range of activities summarised herein, and express my particular gratitude to Margarita Stancheva for editing this newsletter.

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COLIN WOODROFFE

## PHOTO OF THE ISSUE



Humpback Whale (*Megaptera novaeangliae*) sighted in the Skjálfandi Bay in Húsavík, Iceland. The bay is known for its high number of whales that come to eat there between June-September. The activity of whale watching has become very popular, and Húsavík is recognized as the worldwide capital of whale watching.

*Credits: University of Iceland's Research Center in Húsavík*

**Submitted by CCS SC Member:** Dr. Françoise Breton, Director of the CER-ARCTIC, UAB.

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### MEETINGS/SESSIONS SPONSORED OR CO-SPONSORED BY THE COMMISSION ON COASTAL SYSTEMS

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**SEPTEMBER 3-6, 2018. ECSA 57: CHANGING ESTUARIES, COASTS AND SHELF  
SYSTEMS - DIVERSE THREATS AND OPPORTUNITIES, PERTH, AUSTRALIA**



The structure and functioning of our estuaries and seas are shifting due to diverse drivers from local to global scales. The resulting threats to these systems are often all too apparent, yet such changes can also present new opportunities. The challenge is to harness these opportunities through new ways of thinking, scientific developments, innovative technology and more effective integration of science and management. Contributions are welcomed for the next ESCA major symposium within the following broad topics, covering the diversity of threats and opportunities facing estuarine, coastal and marine ecosystems and the people they support.

**Conference Topics:**

1. Environment
2. Biodiversity
3. People and management
4. Integration

For the full list of topics and special sessions visit the website:

<http://www.estuarinecoastalconference.com>

CCS is sponsoring a session on *Similarities, stressors and sustainability of southern hemisphere estuaries on wave-dominated coasts*, proposed by Kerry Lee Rogers, Debora Freitas, Marinez Scherer, Janine Adams, Andy Green and Colin Woodroffe. This session will have a southern hemisphere focus.

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**SEPTEMBER 27-29, 2018. COASTGIS 2018 “SPATIAL PLANNING AND CLIMATE CHANGE”, ÍSAFJÖRÐUR, ICELAND**



The 13<sup>th</sup> CoastGIS Symposium and Exhibition will take place on 27-29 September 2018 in the township of Ísafjörður in the Westfjords of Iceland. CoastGIS is a biennial series of symposia that brings together practitioners and researchers in the field of marine and coastal Geographic Information Systems (GIS), remote sensing and computer cartography. It is an established major international coastal and marine event attracting delegates from around the globe.

The conference theme "*Spatial Planning and Climate Change*" refers to the challenges faced worldwide in light of climate change, particularly in the Arctic. Also emphasis will be on cooperation in spatial planning between countries.





Pre-conference exhibitions are scheduled as well as an adventurous post-conference excursion back to Reykjavík. The conference will take place at The University Centre of The Westfjords, located in downtown Ísafjörður. In the weeks to come more and detailed information will be added to the conference website, so we urge you to follow it closely: [https://www.uw.is/conferences/coastgis\\_2018/](https://www.uw.is/conferences/coastgis_2018/).

**Submitted by CCS SC Member:** Dr. David R. Green - University of Aberdeen, Scotland, UK.

## OCTOBER 04 - 05, 2018. COASTAL HAZARDS IN AFRICA, TETOUAN, MOROCCO



This meeting aims to bring together scientists and managers interested in African coastal areas in order to draw up an assessment of the state of coastal zones, identify the main risks to which they are exposed, discuss the measures taken to confront these risks, and propose measures to be taken to better manage them.

### Main Topics:

- *Erosion and coastal flooding hazards in Africa*

- Coastal systems dynamics (continental and marine influences);
- Shoreline mobility (indicators, processes, coastal cliffs landslides, anthropogenic effects, Holocene, ...);
- Coastal flooding (sea levels, extreme events, sedimentary and historical archives, processes, ...);
- Climate change and risks of coastal erosion and flooding in Africa.

- ***Pollution and oil spill risks***

- Land occupation and use in African coastal areas;
- Water quality (marine and continental) and pollution in coastal areas;
- Maritime traffic and oil spill risks in African coastal areas;
- Anthropogenic loads and natural disasters in Africa: ecological sensitivity of coastal areas.

- ***Coastal hazards management in Africa***

- Socioeconomic consequences;
- Coastal facilities vs coastal risks;
- Management (stakeholders, territories, public policies, decisions, regulations, networks): Examples from African countries;
- GIS: Coastal systems planning and management tools;
- Integrated Coastal Zone Management and Maritime Spatial Planning: Examples of projects implemented in Africa (interdisciplinary, systemic approaches...).

**For more information visit the meeting website:** <http://coastalhazardsafrica.uae.ma/site/>

**Please direct any inquiries to one of the conference organizers:**

- Abdelmounim El M'rini, PhD; Department of Earth Sciences - Abdelmalek Essaâdi University – Morocco, [aelmrini@gmail.com](mailto:aelmrini@gmail.com);
- Driss Nachite, PhD; Department of Earth Sciences - Abdelmalek Essaâdi University – Morocco, [nachited@yahoo.fr](mailto:nachited@yahoo.fr);
- Mohamed Maanan, PhD; Université de Nantes, Institut de Géographie et d'Aménagement, UMR 6554 LETG, Nantes, France, [mohamed.maanan@univ-nantes.fr](mailto:mohamed.maanan@univ-nantes.fr);
- Edward Anthony, PhD; CEREGE – Aix-Marseille University – France; [anthony@cerege.fr](mailto:anthony@cerege.fr).

**Submitted by CCS SC Member:** Dr. Abdelmounim El M'rini, Morocco.

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## REPORTS ON MEETINGS

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### **APRIL 08-13, 2018, VIENNA, AUSTRIA, EUROPEAN GEOSCIENCES UNION (EGU)**

Two special coastal sessions at the EGU2018 were sponsored by the Commission on Coastal Systems of the International Geographical Union:

### **GM11.3 SESSION ON “COASTAL MORPHODYNAMICS: NEARSHORE, BEACH, AND DUNES”**

**The Commission on Coastal Systems (CCS) of the International Geographical Union (IGU)** sponsored the Coastal Morphodynamics session again this year at the 2018 European Geosciences Union (EGU) Assembly. The session was co-sponsored by the IGCP Project 639 ‘Sea-level change from Minutes to Millenia’.

**The GM11.3 Session on ‘Coastal Morphodynamics: nearshore, beach, and dunes’** took place on Tuesday, 12<sup>th</sup> April (oral talks), and Friday, 13<sup>th</sup> April (posters presentations). Highlights of the session included solicited talks by two internationally-renowned coastal scientists; Dr Nadia Senechal (Université de Bordeaux) and Professor Andrew Cooper (Ulster University). Over 50 abstracts from 14 different countries were submitted to the session this year, doubling the number in 2017, further consolidating the Coastal Morphodynamics session as one of the most popular sessions in the Geomorphology programme at the EGU. The session was allocated *two* oral slots plus over 40 excellent quality posters featuring a range of coastal process themes. A total of 12 Early Career Scientists (ECS) presented their excellent research findings during the session helping to make the event a huge success.

The GM11.3 Coastal Morphodynamics session welcomed contributions from scientists interested in the measurement and modelling of coastal processes and geomorphological responses across the three sub-units of sandy coastlines (nearshore, beach and dunes). The purpose of the session was to promote discussion of the latest developments in our understanding of coastal geomorphic systems, and to encourage students and early career researchers to think across interdisciplinary challenges and geomorphological issues currently preventing adequate quantification of coastal evolution.

The session benefited from a growing presence of coastal and marine themes at the EGU, which helped facilitate discussion on coastal geomorphology and management by attendees involved in GM11.3 and other related sessions. The increasing numbers of abstracts submitted to GM11.3 ensured hugely successful and exceptionally well-attended sessions, with many researchers looking for a repeat for future years.



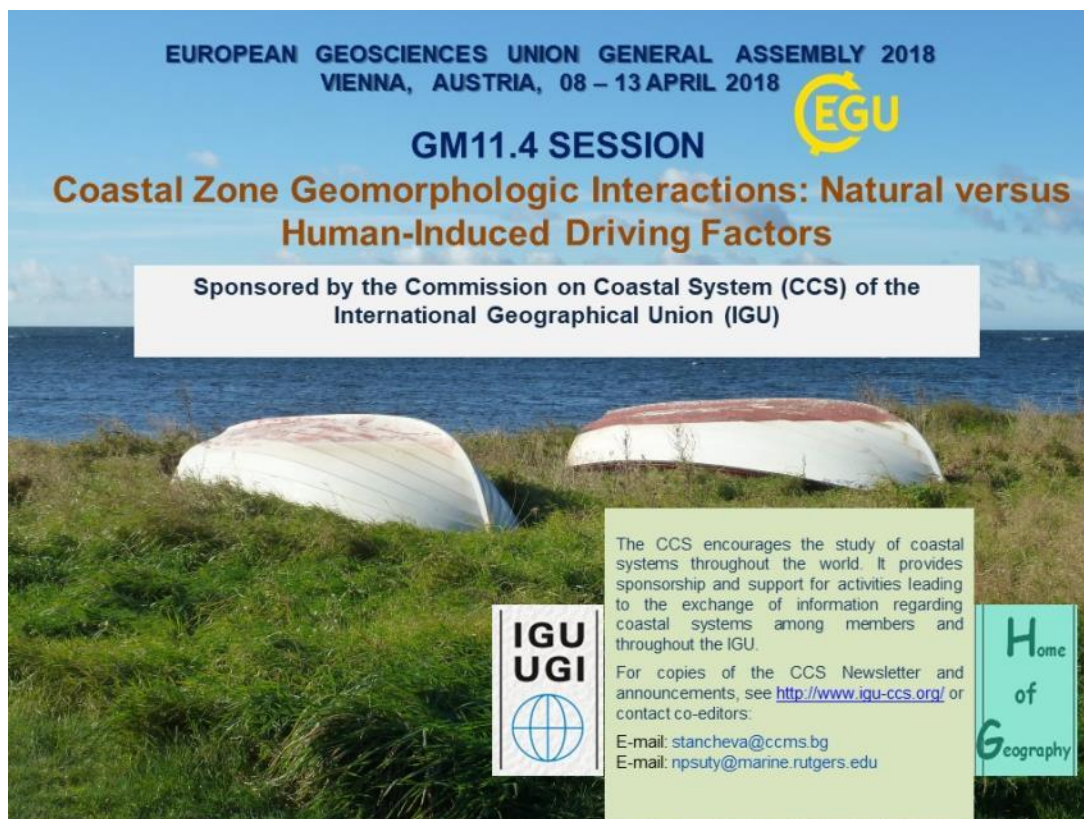
**Figure 1.** A) EGU 2018 in a nutshell, with over 15,000 participants; B) Conveners and solicited speakers at the GM11.3 session (starting from the left): Delgado-Fernandez (Convener), Cooper (Solicited), Jackson (Convener), Senechal (Solicited), and Guisado-Pintado (Convener); C-E) Examples of posters by ECS conveners and group picture with some of the participants.

**Submitted by Session Conveners:** Dr. Irene Delgado-Fernandez, Dr. Emilia Guisado-Pintado and Dr. Derek Jackson.

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## GM11.4 SESSION COASTAL ZONE GEOMORPHOLOGIC INTERACTIONS: NATURAL VERSUS HUMAN-INDUCED DRIVING FACTORS



The Geomorphology Session GM11.4 on: “*Coastal Zone Geomorphologic Interactions: natural versus human-induced driving factors*” was successfully conducted for the tenth time at the EGU 2018 General Assembly, 8-13 April 2018 in Vienna, Austria. Thus, the session celebrated **10 Years of continuous organisation and convening at the EGU**, which has proven the Coastal Zone Session as one of the most sustainable and long-last sessions in the EGU Geomorphology Programme. **The session has been sponsored by the Commission on Coastal Systems (CCS) of the International Geographical Union (IGU) for the seventh year in succession.** Contributions to Coastal Zone session were focused on the mechanisms responsible for coastal erosion and shoreline behaviour (advance or retreat), addressing also the many natural and anthropogenic factors involved. The session topics included predictions of shoreline change and discussion of the effects of human activities and their continuing contribution to coastal changes. Human impact on coastal evolution was discussed regarding short time scales (annual and decadal), but also long term (millennial scale).

The EGU2018 GM11.4 Session was held with 23 high quality abstract submissions from 17 different countries worldwide and was divided into an oral session of six 15-minute talks and a poster session with 17 poster presentations. The oral session was conducted on Thursday, 12 of April and poster session was conducted on Friday, 13 of April. The oral program was chaired by Dr. Andreas Baas (King’s College London) and included six presentations (<https://meetingorganizer.copernicus.org/EGU2018/orals/27446>). The oral session was a great success, with active discussions on presented studies and increased interest in coastal issues. The oral presentations spanned different coastal regions around the world and involved a variety of investigations. The session included a solicited talk on coastal erosion and their management practices along the Caribbean coast of Colombia, presented by Prof. Nelson Rangel-Buitrago from

Universidad del Atlantico, Colombia. The talk described the functionality of coastal protection strategies used up to the present and discussed management challenges for coastal protection in the Caribbean. It also indicated the current and future coastal protection scene for the region and highlights major trends and challenges faced by users, land owners, and coastal managers. Other talks presented discussions of a breached shingle barrier system in the UK, coastal urbanisation on Crete, modelling sea-level rise impacts on coasts, coastal zones in Portugal, and cliff retreat along the Baltic Sea.

The poster program of GM11.4 Session also included a broad selection of high quality coastal studies (<https://meetingorganizer.copernicus.org/EGU2018/posters/27446>) and it was chaired by Dr. Hannes Tõnisson (Estonia). The posters reported many important and innovative research developments, such as: new equations to calculate the potential future shoreline position using transects, the effect of urban growth on coastal changes, evolutionary patterns and “laws” deciphered in the Holocene built-up of Danube delta: natural variability and human influence, and climate impact on salt-marsh evolution.

With the support of the CCS the EGU Session on *Coastal Zone Geomorphologic Interactions: natural versus human-induced driving factors* is playing an important role in fostering the exchange of knowledge on coastal geomorphology and experience among researchers to explore the variety of natural and human factors that modify the coast.

The next **EGU General Assembly 2019 will be on 07-12 April 2019 in Vienna, Austria**, and we are looking forward to your active participation again.

**Submitted by Session Conveners:** Dr. Andreas Baas, Dr. Hannes Tonisson and Dr. Margarita Stancheva.

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## **APRIL 27<sup>TH</sup>, 2018. FIRST INTERNATIONAL CONFERENCE ON “INDIGENOUS PEOPLES IN COLD CLIMATES”, BARCELONA, SPAIN**

The Arctic Research Centre (CER-ARCTIC) of Universitat Autònoma de Barcelona (UAB), in collaboration with the Stefansson Arctic Institute in Iceland, the Arctic Centre of the University of Lapland in Finland, and the Sustainable Development Advisory Board of Catalonia (CADS) of the Government of the Generalitat de Catalunya, organized on 27<sup>th</sup> April 2018 the [First International Conference on “Indigenous Peoples in Cold Climates”](#). The event took place at the Doctor Melcior Colet Museum and Centre for Sports Studies in Barcelona (Carrer de Buenos Aires 56).

The conference focused on experiences in social realities, marine and land rights, the “commons” and the relationships with nature among indigenous peoples and other communities living in the Arctic. According to the director of the UAB’s CER-ARCTIC Dr. Françoise Breton, “there are still many aspects about the Arctic which remain unknown in Western societies, and it is an honour to give visibility to those who during centuries have lived in these cold climates, and who often do not have a say in climate change and the global impacts affecting their land”.

The event had the support of the Vice-rectorate for Research and Transference of the UAB. They participated, among others, guest speakers included renowned experts such as Dr. Isabel Pont, member of the Sustainable Development Advisory Board of Catalonia (CADS), Government of the Generalitat de Catalunya; Dr. Montserrat Ventura, Head of the Social and Cultural Anthropology Department of the UAB; Dr. Tanja Joona, researcher of the University of Lapland in Finland; Dr. Alfredo Prieto and Jorge Gibbons, researchers of the University of Magallanes in Chile; and Dr. Niles Einarsson, Director of the Institute in Iceland.



The weekly magazine 'El Temps' covered the conference and published an [article](#).



Credits: Françoise Breton and Sílvia Gómez / UAB's Arctic Research Centre CER-ARCTIC

### **CER-ARCTIC, the UAB ARCTIC Research Centre**

The UAB's new CER-ARCTIC Research Centre, inaugurated on 1<sup>st</sup> December 2017, generates cutting edge research and provides scientific assessments as a way of contributing to the quality of life of Arctic populations and sustainability of their environments. Based on a multidisciplinary approach, the ARCTIC Research Centre of UAB studies issues related to rights and social justice in relation to the use of resources, and will conduct comparative studies of the Arctic and other regions, such as the Mediterranean, Africa and Antarctica, as well as promote sustainability and appropriate governance to foster well-being and human development in the region. The centre is pioneering this area of study in Spain, innovating in responsible research for and with local Arctic communities. The ARCTIC Research Centre is directed by UAB Emeritus Professor Dr. Françoise Breton.

#### **Contacts:**

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**Submitted by CCS SC Member:** Dr. Françoise Breton, Director of the CER-ARCTIC, UAB.

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### **MAY 31 – JUNE 01, 2018. EUROPEAN MARITIME DAY (EMD), BURGAS, BULGARIA**

The European Commission's Directorate General for Maritime Affairs and Fisheries, the Bulgarian EU Presidency and the Municipality of Burgas organised the European Maritime Day 2018 on 31 May and 1 June 2018 in Burgas, Bulgaria.



EMD 2018 hosted:

- 18 stakeholder workshops
- A political opening session with Ministers from Black Sea riparian states
- A high-level debate on "Big Bang Black Sea"
- A plenary session on EU funds for Blue Growth and sea-basin cooperation



*Courtesy of Dr. Hristo Stanchev, Center for Coastal and Marine Studies (CCMS), Bulgaria*

Few thematic Workshops on Maritime Spatial Planning (MSP) were conducted back-to-back on 31<sup>st</sup> of May 2018 with the participation of high level and key experts on MSP: **Supporting Internationally Accepted MSP Guidance**, organised by the Intergovernmental Oceanographic Commission of UNESCO; **Data Availability for MSP: from Jungle to Structure**, organised by the Vision and Strategies around the Baltic Sea (VASAB) and **MSP in the Med: A Vision from Southern Europe**, organised by the Consortium for Coordination of Research Activities Concerning the Venice Lagoon System (CORILA).

**The main conclusions of all stakeholder workshops and presentations of speakers can be read at:**  
<https://ec.europa.eu/maritimeaffairs/maritimeday/en/burgas-2018>

**Please see also the main announcements of the EMD 2018:**

- [Vision paper towards a Blue Growth Initiative for Research and Innovation in the Black Sea](#)
- [Ministerial Declaration: Towards a Common Maritime Agenda for the Black Sea](#)

- [Black Sea countries pledge closer maritime cooperation as European Maritime Day 2018 kicks off in Burgas, Bulgaria](#)

For more information visit the EMD Burgas 2018 website: <https://ec.europa.eu/maritimeaffairs/maritimeday/en/burgas-2018>.

Submitted by CCS Secretary: Dr. Margarita Stancheva.  
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## COASTAL DUNE 'ROADMAP' FOR THE ATLANTIC BIOGEOGRAPHICAL REGION

The EU funded LIFE project 'FLANDRE' organised an international workshop on 12<sup>th</sup>-14<sup>th</sup> June 2018 in Dunkirk, France, on the management of coastal dune and sandy beaches. The event included an update from John Houston on the 'Coastal Dune Roadmap' resulting from the Natura 2000 biogeographical process for the Atlantic Biogeographical Region. The roadmap outlines an action plan for the conservation management of coastal dunes in the EU Atlantic Biogeographical region. For more information e-mail: [dunes@hope.ac.uk](mailto:dunes@hope.ac.uk)

Submitted by CCS SC member: Prof. Paul Rooney, Director, Sand Dune and Shingle Network, Liverpool Hope University, UK.  
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## MEETINGS WITH COASTAL INTEREST

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### AUGUST 06-10, 2018. INTERNATIONAL GEOGRAPHICAL UNION REGIONAL CONFERENCE, QUEBEC, CANADA



The Canadian Association of Geographers and the University Laval, North America's oldest French-language university, **organized the 2018 International Geographical Union Regional Conference** to be held in Canada from August 6 to 10, 2018.

The conference theme, Appreciating Difference, or Apprécier la différence, is a Quebec expression that invites participants to consider the world as a blank canvas that we must first decide how to depict before putting down images and words. Surely, the choice of those images and words is a matter of appreciation. To appreciate is not only a question of what we find significant and of value, it is also an awareness of differences and the ability to recognize them as meaningful to a more inclusive interpretation of the



diverse world in which we live. Conference topics, as well as IGU commissions and CAG study groups, will reflect on this thought-provoking theme.

The conference programme and abstracts will be made available via the Internet and will be downloadable for all participants. As well, the programme and abstracts will be made accessible via a mobile device application. The final conference programme, with abstracts, will be made available electronically as the IGU 2018 Conference Proceedings with an ISBN number supplied by Les Presses de l'Université Laval.

**Please note that it will be offering a post-conference 4-day excursion exploring the coastal geomorphology and maritime culture of the St. Lawrence Estuary, led by Matthew Hatvany (e-mail: [Matthew.Hatvany@ggr.ulaval.ca](mailto:Matthew.Hatvany@ggr.ulaval.ca)).**

For more details on the conference, keynote speakers, programme, accommodation, fieldtrips, etc. follow the conference website: <http://igu2018.ulaval.ca/>.

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### **AUGUST 28-31, 2018. ANNUAL INTERNATIONAL CONFERENCE, ROYAL GEOGRAPHICAL SOCIETY (WITH IBG) - COASTAL AND MARINE RESEARCH GROUP, WALES, UNITED KINGDOM**

The three-day annual conference of the Royal Geographical Society (with IBG) attracts over 1,800 geographers from all around the world. The 2018 Annual International Conference will be held at Cardiff University, Wales, from Tuesday 28<sup>th</sup> August to Friday 31<sup>st</sup> August 2018 - see <https://www.rgs.org/research/annual-international-conference/>.

Details of the affiliated sessions for their 'Coastal and Marine Research Group' are available at <https://coastalmarineresearchgroup.wordpress.com/rgs-ibg-2018/rgs-ibg-annual-international-conference-2018>.

**Submitted by CCS SC member:** Prof. Paul Rooney, Director, Sand Dune and Shingle Network, Liverpool Hope University, UK.

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### **SEPTEMBER 25-27, 2018. WORKSHOP - DUNES OF PAYS DE MONTS, FRANCE**

The Community of Communes Océan Marais de Monts, the French National Forestry Office (ONF) and the EUCC Atlantic office have organized a field workshop in the dunes of Pays de Monts (near Nantes, France) on 25<sup>th</sup>, 26<sup>th</sup> and 27<sup>th</sup> September 2018. The workshop will address the management of Atlantic dune systems and concerns about public awareness of these dunes. The workshop follows on from a workshop held on the 25<sup>th</sup> and 26<sup>th</sup> April 2017 in the dunes of Cantabria. Two languages will be used during the workshop: Spanish and French. All documents will be produced in both languages.

**Registration deadline: 01.09.2018**

Further details are available at <https://ateliereuccvendee.wordpress.com/>

**Submitted by CCS SC member:** Prof. Paul Rooney, Director, Sand Dune and Shingle Network, Liverpool Hope University, UK.

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## OCTOBER 22-26, 2018. LITTORAL 2018, LEEUWARDEN, NETHERLANDS



**van hall  
larenstein**  
university of applied sciences



Next Littoral 2018 will be a three-day international conference and excursions exploring the deltas and the littoral in and around the **Cultural Capital of Europe 2018, Leeuwarden in the Netherlands**. The conference will join all disciplines to explore current and future issues of relevance to the coast and will be of interest to a wide spectrum of scientists, including those from the physical sciences, climate change scientists and ecologists, social scientists, engineers, policy makers and advisers and practitioners.

The following main themes have been selected:

- **GREEN COASTS:** Natural and resilient coasts
- **CLEAN SEAS:** Protection of the marine environment
- **BLUE GROWTH:** Sustainable development in the coastal & marine environment

Together with these main themes, several sub-themes will be determined based on the approved abstracts. You can submit your proposal for a presentation or discussion session.

Visit the website: <http://www.vhluniversity.com/about-vhl/littoral-2018.aspx> for more details on the conference and the registration.

**For more information, please email:** [Littoral2018@hvhl.nl](mailto:Littoral2018@hvhl.nl)

**Facebook:** <https://www.facebook.com/Littoral2018>

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## NOVEMBER 07, 2018. WINDY DAY. LONDON, UNITED KINGDOM

The 2018 Windy Day will take place on Wednesday 7<sup>th</sup> November 2018 at University College London (UCL). The meeting will be jointly organised by UCL, Birbeck and King's College London (KCL). This will be the 24<sup>th</sup> Windy Day, a one-day meeting of talks and posters focused on geomorphological, environmental and Quaternary research involving aeolian landforms, sediments and processes. The ethos of these events are for a structured, but informal, meeting where abstracts from all are welcomed, but with a priority given to research by Postgraduates, Postdocs and Early Career Researchers for talks of 15 minutes to a friendly and receptive aeolian-minded audience.

**For further details contact:** Pieter Vermeesch [p.vermeesch@ucl.ac.uk](mailto:p.vermeesch@ucl.ac.uk)

**Submitted by CCS SC member:** Prof. Paul Rooney, Director, Sand Dune and Shingle Network, Liverpool Hope University, UK.

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**APRIL 21-25, 2019. SOLAS OPEN SCIENCE CONFERENCE 2019. SAPPORO, HOKKAIDO, JAPAN**



The 2019 edition of the Surface Ocean Lower Atmosphere Study (SOLAS) will take place from the 21-25 April in Sapporo, Hokkaido, Japan. With its Open Science Conference, SOLAS offers the ideal programme for scientists who wish to learn and exchange about cutting edge research in the field and present their own findings. A special event dedicated to Early Career Scientists is being organised. More information soon [here!](#)

To keep being up to date with SOLAS and the organisation of the conference, subscribe to the [mailing list](#).

Abstract submission, registration, and discussion session submission is **OPEN!**

**Deadline is 15 November 2018 for:**

- Early bird registration
- Abstract submission (talk or poster)
- Discussion session submission
- Application of travel support

More information on the event will become available in the coming months.

**Conference website:** <https://www.confmanager.com/main.cfm?cid=27781>.

**MAY 15-18, 2019. 7<sup>TH</sup> EUGEO CONGRESS ON THE GEOGRAPHY OF EUROPE 2019. GALWAY, IRELAND**



The 7<sup>th</sup> EUGEO Congress on the Geography of Europe is scheduled to take place in Galway, Ireland from May 15<sup>th</sup> - 18<sup>th</sup> 2019. The Geographical Society of Ireland and NUI Galway are delighted to co-host the EUGEO Congress 2019 incorporating the 51<sup>st</sup> Conference of Irish Geographers.

The theme for the 2019 Congress is '**Re-imagining Europe's future societies and landscapes**'.

**Further details coming soon:** <http://www.geographicalsocietyireland.ie/>



**EUGEO Congress  
and General Assembly**  
*Galway, Ireland*  
**15 – 18 May 2019 ~ Save the Date!**

eugeo2019.eu



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**MAY 27-31, 2019. COASTAL SEDIMENTS 19. TAMPA/ST. PETE, FLORIDA, USA**



*Coastal Sediments* is an international coastal science and engineering conference which has been held every four years since 1977, alternating with its sister conference, Coastal Dynamics. Approximately 300 coastal engineers and scientists attended Coastal Sediments 2015 in San Diego, California, USA from 27 countries. The Coastal Sediments Proceedings, published by World Scientific, are peer-reviewed and have a high impact on the coastal science and engineering community as tracked by Google Scholar.

*Coastal Sediments 2019 (CS19)* is the 9<sup>th</sup> Conference in the Coastal Sediments Series. CS19 will be held in Tampa/St. Petersburg, FL, with the theme of "**Advancing Science & Engineering for Resilient Coastal Systems**". Oral and poster presentations and accompanying papers will be selected from abstracts submitted on a variety of topics including special sessions.

### **Session Topics:**

- Barrier Islands
- Beaches
- Beach Nourishment
- Beneficial Use of Dredged Sediment
- Climate Change & Sea Level Rise
- Coastal Bluffs & Cliffs
- Coastal Dunes & Aeolian Processes
- Coastal Marsh Morphology & Vegetation
- Cohesive Sediments & Muddy Coasts
- Coastal Structures Morphologic Response
- Coupled Natural-Human Systems Modeling in the Coastal Zone
- Ecomorphodynamics
- Gravel Sediment Transport
- Large-Scale Coastal Behavior
- Long-term Coastal Evolution
- Inlets & Navigation Channels
- Measurement Techniques in the Coastal Zone
- Regional Sediment Management
- River Deltas
- Working/Engineering with Nature
- Case studies

### **Important Dates:**

**12/09/2018 Abstracts Due**

**01/12/2018 Registration Open**

**01/02/2019 Full Papers Due**

**For more information see the conference webpage:** <http://coastalsediments.cas.usf.edu/>.

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## **HIGHLIGHTS & FEATURES**

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The International Geographical Union (IGU) is an international, non-governmental, professional organization devoted to the development of the discipline of Geography. The **IGU Commission on Coastal Systems (CCS)** has a website that can be found 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.**

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## THE INTERNATIONAL GEOGRAPHICAL UNION SERIES ON CONTEMPORARY GEOGRAPHIES



Published in partnership with the International Geographical Union, this book series delivers original, thought-provoking and international perspectives on contemporary geography. It provides a forum for high-quality research spanning the globe and the diversity of geography. One of its core purposes is to

support the development of knowledge that will assist and accelerate transformations to a sustainable world, complementing major international initiatives such as Future Earth and the United Nations' Sustainable Development Goals.

**If you have a proposal for a monograph or edited collection you wish to submit for consideration in this series, please contact:**

### **Series Editors**

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<http://www.e-elgar.com/submitting-proposal>

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The official **Newsletter of the Coastal Education and Research Foundation, *JUST CERFing***, is available for viewing at: <http://cerf-jcr.org>, under the JCR CONTENT heading. The Newsletter has information about the current issue of the Journal of Coastal Research, series of short articles, as well as information on the Special Issues of the journal and recently published books. It is an extremely well-produced review of the materials conveyed by the Foundation.

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The **Sand Dune and Shingle Network** (<http://coast.hope.ac.uk/>) is based within the Geography and Environmental Sciences Department at Liverpool Hope University and has the major aim to conserve sand dunes and shingle as dynamic landscapes. The Network currently includes, amongst others, many of the following groups: site managers, national policy makers, students and researchers, biodiversity officers, ecologists, geomorphologists and hydrologists and most recently coastal engineers, golf course managers, tourism interests, forestry interests, military sites, landscape historians etc. It has over 290 full members. The



Network operates by sharing information across different sectors and disciplines. The common interest is the natural resource and a desire to find sustainable solutions to conservation issues.

**The founder and Director of the Sand Dune and Shingle Network is Prof. Paul Rooney**, an environmental geographer and Senior Lecturer at Liverpool Hope University. Paul is regarded as an international expert in coastal sand dune conservation and management, and is research active and widely published in this area. He is one of the members to the CCS Steering Committee.

**The Newsletter of Sand Dune and Shingle Network** is available for reading at: <http://coast.hope.ac.uk/publications/>. The publications are open accessed and free for distribution. The Newsletter highlights results of networking, projects and publications, as well as opportunities for conferences, study tours, workshops and cooperation. It is distributed to about 540 contacts in the UK and worldwide.

The **Sand Dune and Shingle Network** also operates as part of a developing European network and works closely with the Coastal and Marine Union (EUCC). To find more on this please visit: [http://www.eucc.net/en/european\\_dune\\_network/index.htm](http://www.eucc.net/en/european_dune_network/index.htm).

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**The Program for the Study of Developed Shorelines (PSDS)** at Western Carolina University - USA takes a worldwide view of modern coastal processes and geologic hazards, examines the scientific basis for managing developed shorelines in a time of rising sea level and advocates for the development and implementation of responsible strategies, plans, policies and actions that promote the long-term sustainability of the nation's coastal ecosystems.

One of the fundamental goals of PSDS is to serve as a primary technical and policy resource for a variety of beach management issues and to provide information, data and advice to federal, state and local government agencies; the media, concerned citizens; the scientific community; nonprofit organizations and other concerned stakeholders. **The Director of PSDS is Robert Young, Professor of Coastal Geology at Western Carolina University.**

For more information visit the website of PSDS: <https://psds.wcu.edu/>.

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**Coastal Care** (<http://coastalcare.org/>) is a non-profit **Santa Aguila Foundation** dedicated to defending the beaches and shorelines of our shared planet. The mission of **Coastal Care** includes:

- 
- Produce a comprehensive curriculum for children to learn about the importance of coastlines, and empower them to act to protect this crucial environment;
  - Raise awareness of the many unsustainable practices that are harming the world's beaches and coasts;
  - Educate children about the science of natural beaches and empower them to act to protect their coastal environment;
  - Advocate for sensible, science-based policies and regulations that will protect and preserve coastlines and beaches around the world; and
  - Mobilize individuals to recognize and address global issues of coastal management.

There is a section "**Beach of the Month**" with published contributions of interesting stories about beaches across the world. Visit the website of **Coastal Care** to learn and read more about this great initiative!

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Future Earth Coasts (formerly known as LOICZ | Land-Ocean Interactions in the Coastal Zone) is a global research project of [Future Earth](#). It is a ‘community’ of organisations, scientists and practitioners from all disciplines of science, engineering, the humanities and law whose work addresses

Global Environmental Change, contributes to achieving the SDGs ([Sustainable Development Goals](#)) and social learning. FECoasts provides a platform for networking and delivering ‘added value’ to the outputs of our community to explore and understand the drivers and social-environmental impacts of global environmental change in coastal zones.

FECoasts aims to:

- Strengthen global partnerships between researchers, funders and users of research
- Enable integrated research on grand challenges and transformations to sustainability
- Communicate science to society and society to science

The FECoasts vision is to support transformation to a sustainable and resilient future for society and nature on the coast by facilitating innovative, integrated and impactful science. Future Earth Coasts is hosted by the Centre for Marine and Renewable Energy ([MaREI](#)), the work is guided by a [Scientific Steering Committee](#) and implemented by an [International Project Office](#).

For more information visit: <http://www.futureearthcoasts.org/>

Join the conversation at: <http://www.futureearthcoasts.org/contact-us/>

Social media: [Follow us](#) | [Like us](#) | [Link with us](#)



## JOIN THE CONVERSATION

Become part of our community  
by joining our mailing list and find  
out more about how you can  
contribute to the delivery of the  
Future Earth Coasts project.

## A NEW VERSION OF THE [EUROPEAN ATLAS OF THE SEAS](#) IS NOW AVAILABLE!



European  
Atlas  
of the  
Seas

The Atlas provides information about Europe's marine environment and how we use it. With new features and visuals, it enables users to explore, collate and create their own sea maps. Currently available in 4 languages (EN, FR, DE & ET), the Atlas will soon be available in all official languages of the European Union. The Atlas aims to raise awareness of Europe's seas and coasts in the context of the EU's

[integrated maritime policy](#). It offers an ocean of information in a user-friendly way about topics such as nature, tourism, security, energy, passenger transport, sea bottom, sea level rise, fish consumption, and much, much more! It can be used for public interest, as an educational tool, for research purposes, or by professionals to enhance their knowledge or improve their products and services.

An enriched catalogue with more than 120 additional map layers is put to users disposal thanks to its data providers; primarily, the European Commission and its agencies (i.e. [EEA](#), [Eurostat](#), ...), as well as [EMODnet](#) which provided about 80 new maps.



Since September 2017, the EMODnet Secretariat has taken over the management of the Atlas with a mission to further expand the range of services and features and improve the interface, functionality and content. The Secretariat is also responsible for actively promoting the Atlas and keeping users informed about new maps and features.

**The Atlas is definitely worth a visit!**

[www.european-atlas-of-the-seas.eu](http://www.european-atlas-of-the-seas.eu)

Twitter: <https://twitter.com/EuropeAtlasSeas>

## EC FIRST ANNUAL REPORT ON BLUE ECONOMY PUBLISHED



The EU's Blue Economy – all economic activities related to oceans, seas and coastal areas – is growing steadily, according to the EU's first annual report on the blue economy. With a turnover of € 566 billion, the sector generates € 174 billion of value added and creates jobs for nearly 3.5 million people.

The report presents the current status and recent trends in the six established blue economy sectors in different EU

Member States, to gain insight into where new opportunities and sustainable competitive advantage may be found. The EC sees the report as supporting policymakers and stakeholders in creating new business opportunities and in managing the resources of oceans, seas and coastal resources in a sustainable manner.

**Read the full report here:** [https://ec.europa.eu/maritimeaffairs/content/%E2%82%AC566-billion-and-growing-eu-blue-economy-thriving\\_en](https://ec.europa.eu/maritimeaffairs/content/%E2%82%AC566-billion-and-growing-eu-blue-economy-thriving_en)

## NEW CENTER FOR COASTAL AND MARINE STUDIES IN BULGARIA

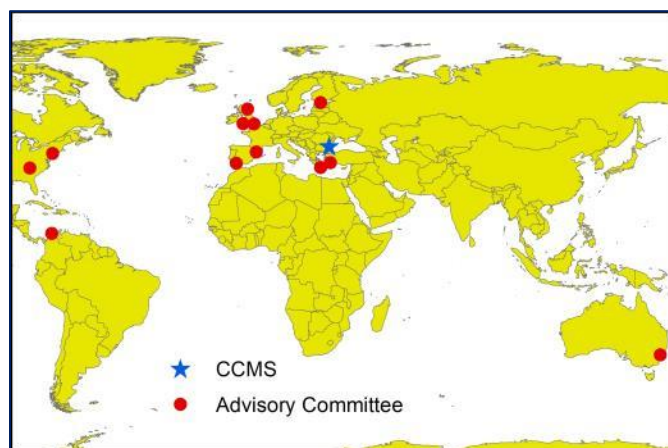
*Knowledge transfer, research, innovation, consultancy, management*



**The Center for Coastal and Marine Studies (CCMS)** is a research foundation, non-governmental and non-profit organization, established in March 2018 in Varna, Bulgaria, on the Black Sea coast.



The CCMS has the fundamental goal of developing and promoting science, research, knowledge transfer and innovation technologies in the Black Sea and the World Ocean by bringing together science, environment, expertise, stakeholders and policy making.



CCMS is directly advised by **Advisory Committee**, which currently involves fourteen distinguished members from different institutes, universities and organizations.

**Four members of the CCS Steering Committee have become members to the CCMS Advisory Committee: Prof. Colin Woodroffe, Prof. Norbert Psuty, Prof. Françoise Breton and Dr. David Green.**

**CCMS will play an active role to:**

- Contribute to the exploration and protection of the Bulgarian Black Sea coast, marine space of the Black Sea, living and non-living resources.
- Work to study and protect the Black Sea Basin natural and historical heritage.
- Promote sustainable and Integrated Coastal Zone Management (ICZM) and Marine Spatial Planning (MSP) of the Black Sea Basin.
- Conduct research and assessment of natural and human-induced risks in the coastal and marine zones, such as coastal erosion, landslides, sea level rise, flooding, human structure impacts, environmental risks and other activities, to raise the public awareness.
- Carry out activities for conservation and restoration of the environment.
- Investigate trends of marine and coastal tourism and their impact on the sustainable coastal zone development and economy of the Black Sea and the World Ocean.
- Conduct exchange of knowledge, partnership and training between institutions, universities, scientific organizations, non-governmental organizations, establish international cooperation.

**CCMS Activities** comprise a vast range of coastal and marine research (studies and surveys in the field of modern coastal and marine processes), as well as support to implementation of the EU coastal and maritime strategies by developing scientific basis and providing expertise, and project development, knowledge transfer, networking and consultancy.

**For more information visit CCMS website:** [www.ccms.bg](http://www.ccms.bg)

**Social media:** <https://web.facebook.com/ccms.bg/>

**Twitter:** <https://twitter.com/CCMSBG>

**Contacts:**

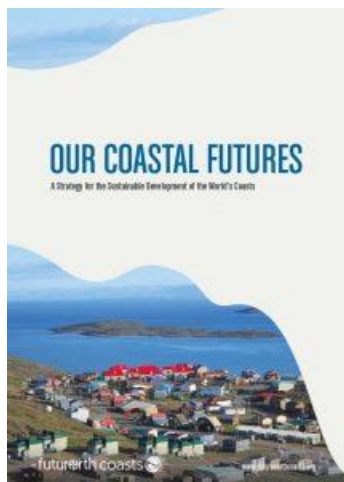
Dr. Margarita Stancheva  
Director CCMS

**Email:** [stancheva@ccms.bg](mailto:stancheva@ccms.bg) or [office@ccms.bg](mailto:office@ccms.bg)

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The following information is taken from the informative Coastal Update Newsletter compiled by the Atlantic Coastal Zone Information Steering Committee (ACZISC) Secretariat. The full version is available at: <http://coinatlantic.ca/>.

## OUR COASTAL FUTURES



Future Earth Coasts has produced the **“OUR COASTAL FUTURES”** strategy [https://s3-eu-west-2.amazonaws.com/futureearthcoasts/wp-content/uploads/2018/05/30154851/Coastal-Futures-Pub\\_f.pdf](https://s3-eu-west-2.amazonaws.com/futureearthcoasts/wp-content/uploads/2018/05/30154851/Coastal-Futures-Pub_f.pdf), to promote action towards the sustainable development of the world's coasts. The implementation of “OUR COASTAL FUTURES” strategy will help stakeholders work together to unlock regionally appropriate opportunities for the sustainable development of our shared coastal zones. The strategy will:

- Enable regional stakeholders and institutions to develop a common understanding of their coasts and future prospects;
- Co-design robust strategies to chart desired coastal futures; and
- Co-produce innovative coastal sustainability initiatives and pathways to achieve these desired outcomes, and realise the Sustainable Development Goals.

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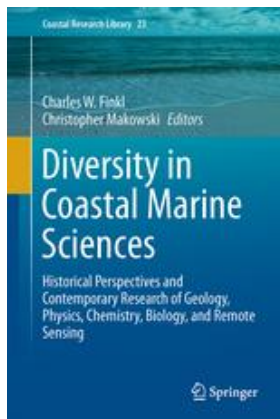
## BOOKS ON COASTAL TOPICS

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### DIVERSITY IN COASTAL MARINE SCIENCES

**Historical Perspectives and Contemporary Research of Geology, Physics, Chemistry, Biology, and Remote Sensing**

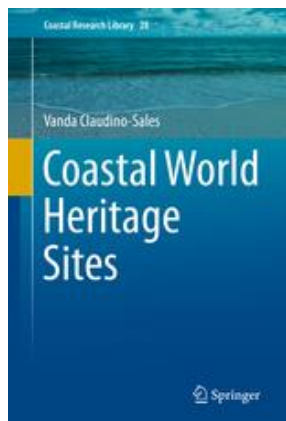
**Editors: Finkl, Charles W., Makowski, Christopher (Eds.)**



This book integrates a wide range of subjects into a coherent purview of the status of coastal marine science. Designed for the professional or specialist in coastal science, oceanography, and related disciplines, this work will appeal to workers in multidisciplinary fields that strive for practical solutions to environmental problems in coastal marine settings around the world. Examples are drawn from many different geographic areas, including the Black Sea region. Subject areas covered include aspects of coastal marine geology, physics, chemistry, biology, and history. These subject areas were selected because they form the basis for integrative investigation of salient environmental problems or perspective solutions or interpretation of historical context. **Springer, 2018:** <https://www.springer.com/gb/book/9783319575766>

## COASTAL WORLD HERITAGE SITES

Authors: **Claudino-Sales, Vanda**



This book presents the natural, environmental and scenic richness of the world's coastal and marine areas classified by UNESCO as "Natural World Heritage Sites". Representing well-preserved areas of exceptional significance to the planet and to humankind, they include a total of 49 marine sites, formed by reefs, atolls and gulfs, and 35 coastal sites in all oceans and all continents with exception of Antarctica. They are being protected and preserved from most degrading uses for future generations as an important legacy from the past. Exploring their richness, this book analyzes and explains these sites in a clear, understandable, scientific way, and is of interest to all who work in or care about the geosciences, environmental sciences and biosciences. **Springer 2018**, <https://www.springer.com/us/book/9789402415261>

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## TOMORROW'S COASTS: COMPLEX AND IMPERMANENT

Editors: **Wright, Lynn Donelson, Nichols, C. Reid** (Eds.)



This book is intended as a conceptual roadmap to show how some of the numerous pieces of complex coastal systems intersect and might interact under changing future environmental regimes. It is addressed to a non-technical but environmentally literate audience that includes the lay public, policy makers, planners, engineers and academics interested in the causes and consequences of global changes as they are likely to affect coastal systems. The book also outlines some strategies for anticipating and responding to the challenges that lie ahead.

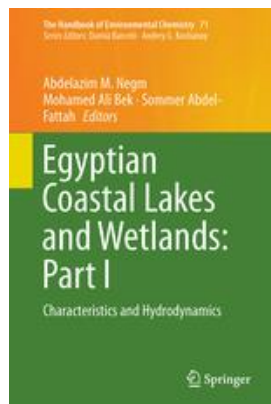
The purpose is not to offer a technical treatise on how to build better numerical models or to provide the cognoscenti with new scientific details or theories. Quite on the contrary the authors aim to provide a holistic, easy-accessible overview of coastal systems and therefore use a writing style that is non-technical, nonmathematical and non-jargonized throughout. Wherever scientific terms are required to avoid ambiguity, a clear and simple definition is presented and those definitions are repeated in the glossary. The authors aim to communicate with all who care about the future of coastal environments.

In Part 1, they present some underlying general "big picture" concepts that are applicable to coastal processes and coastal change worldwide. Part 2 reviews some of the more important physical, ecological and societal causes and outcomes of coastal change. A selection of case studies of some prominent and highly vulnerable coastal regions is presented in Part 3. Some strategies for facilitating and supporting collaboration among the global scientific community to enhance future coastal resilience are outlined in Part 4. **Springer 2019**, <https://www.springer.com/la/book/9783319754529>

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## EGYPTIAN COASTAL LAKES AND WETLANDS: PART I CHARACTERISTICS AND HYDRODYNAMICS

**Editors:** Negm, Abdelazim M., **Bek**, Mohamed Ali, **Abdel-Fattah**, Sommer (Eds.)

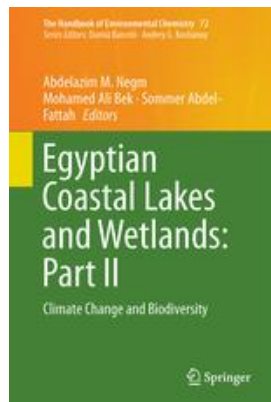


Egyptian coastal lakes and wetlands are among the most productive wetland ecosystems in the world. This volume explores their current status and how it can be maintained and improved. It describes the five Northern coastal lakes, their origin, physical and chemical properties and current development activities, and discusses the challenges facing these lakes, such as shrinking, pollution, degradation, and adaptive management. Further topics include hydrodynamics and modeling techniques, as well as strategies for the sustainable development of these valuable resources. The book closes with a concise summary of the conclusions and recommendations presented in the chapters. As such, it offers an invaluable resource for the academic community and postgraduate students, as well as for environmental managers and policymakers. **Springer 2019**, <https://www.springer.com/us/book/9783319935898>

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## EGYPTIAN COASTAL LAKES AND WETLANDS: PART II CLIMATE CHANGE AND BIODIVERSITY

**Editors:** Negm, Abdelazim M., **Bek**, Mohamed Ali, **Abdel-Fattah**, Sommer (Eds.)



This volume investigates the challenges facing the Egyptian Northern coastal lakes, focusing on the impact of climate change, their biodiversity and sustainable management. Presenting up-to-date research, it covers the following topics: climate change and water quality modeling and their impacts on the sustainability of the lakes; the economic role of the lakes; the use of remote sensing in monitoring; and the biodiversity of the lakes with detailed discussions. Further, management strategies for the sustainable development of these valuable resources are proposed to maintain the lakes sustainability. **Springer 2019**, <https://www.springer.com/us/book/9783319936109>

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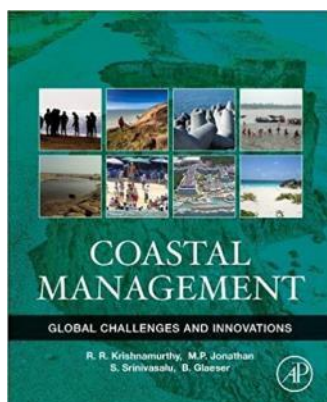
## COASTAL MANAGEMENT – GLOBAL CHALLENGES AND INNOVATION

**Editors:** R. R. Krishnamurthy, M.P. Jonathan, Seshachalam Srinivasalu, Bernhard Glaeser

**Imprint:** Academic Press

**Published Date:** 1<sup>st</sup> November 2018 **ELSEVIER**





*Coastal Management: Global Challenges and Innovations* focuses on the resulting problems faced by coastal areas in developing countries. Coastal management approaches must be constantly reexamined and updated for target groups including researchers, field practitioners, planners, and policy makers. This book gathers, compiles, and interprets the recent developments starting from paleo-coastal climatic conditions to present climatic conditions which influence the coastal resources. The chapters included in this book cover almost all aspects of coastal area management, including sustainability, coastal communities, Hazards, Ocean Currents and environmental monitoring. **ELSEVIER, 2018,**

<https://www.elsevier.com/books/coastal-management/krishnamurthy/978-0-12-810473-6>

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## COASTAL WETLANDS

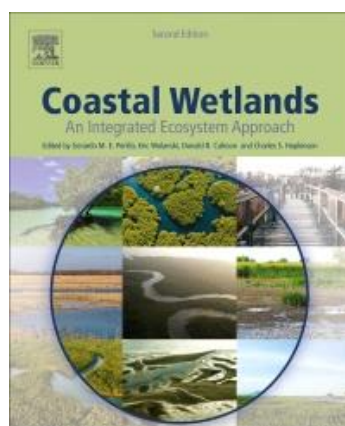
2<sup>nd</sup> Edition

**An Integrated Ecosystem Approach**

**Editors:** Gerardo Perillo, Eric Wolanski, Donald Cahoon, Charles Hopkinson

**Imprint:** Elsevier

**Published Date:** 1<sup>st</sup> October 2018



*Coastal Wetlands, Second Edition: An Integrated and Ecosystem Approach* provides an understanding of the functioning of coastal ecosystems and the ecological services that they provide. As coastal wetlands are under a great deal of pressure from the dual forces of rising sea levels and the intervention of human populations, both along the estuary and in the river catchment, this book covers important issues, such as the destruction or degradation of wetlands from land reclamation and infrastructures, impacts from the discharge of pollutants, changes in river flows and sediment supplies, land clearing, and dam operations.

### Key Features

- Covers climate change and its influence on coastal wetland form and function
- Provides a fully updated and expanded resource, including new chapters on modeling, management and the impact of climate change
- Contains full-color figures of wetlands and estuaries in different parts of the world

**ELSEVIER, 2018:** <https://www.elsevier.com/books/coastal-wetlands/perillo/978-0-444-63893-9>

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**The organization of the IGU Commission on Coastal Systems and the current member list of the Steering Committee of the CCS is as follows:**

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The IGU Commission on Coastal Systems (CCS) website 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 at the end of the Newsletter.

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: [michael.meadows@uct.ac.za](mailto:michael.meadows@uct.ac.za).

## THE STEERING COMMITTEE MEMBERS: WHO WE ARE

### Colin Woodroffe



Colin is Professor in the School of Earth and Environmental Sciences at the University of Wollongong. He has a PhD and ScD from the University of Cambridge. Colin has studied the stratigraphy and development of coasts in Australia and New Zealand, as well as on islands in the West Indies, and Indian and Pacific Oceans. He has written a comprehensive book on *Coasts, form, process and evolution*, co-authored a book on *The Coast of Australia*, and is also co-author of a book *Quaternary Sea-Level Changes: a global perspective*. Colin was a lead author on the coastal chapter in the 2007 Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment report. He teaches coastal geomorphology and the application of geospatial techniques to coastal environments.

### Edward Anthony

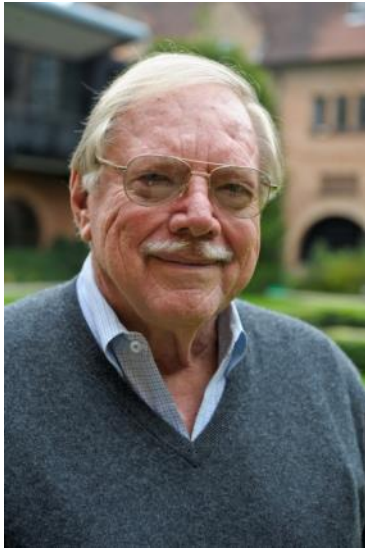


Edward Anthony is currently professor of coastal geomorphology at Aix-Marseille University and Editor-in-Chief of Marine Geology. Author of nearly 130 published papers, E.A. has carried out research over the last 30 years on the Amazon-influenced coasts of South America, the coasts of West Africa, the Mediterranean, the English Channel and North Sea coasts, and recently the Mekong and Irrawaddy River deltas. His scientific interests focuses on the inter-related connections between the human and natural dimensions of coasts, and how human activities and developments impact on coastal geomorphology, sediment dynamics, ecology and

management, especially in the face of global change, sea-level rise and sediment supply perturbations on river systems. A particular area of focus is river deltas, largely based on experimental field (measurements and observations) and laboratory work, and employs innovative techniques in remote sensing and modelling based on statistical and cartographic data. This activity is supported by various on-going grants and projects and involves collaboration with French universities, the IRD, Japanese, American, Indian, Vietnamese and Moroccan colleagues specialised in coastal studies. EA has supervised nearly 30 PhD theses, and teaches at both undergraduate and post-graduate levels.



### **Norbert Psuty**



Norb is Professor Emeritus at Rutgers University and is currently Director of the Sandy Hook Cooperative Research Programs. He is a coastal geomorphologist whose research encompasses the dynamics of the coastal zone, incorporating process-response studies of beaches, coastal dune processes and morphology, sediment budget studies, barrier island dynamics, estuarine sedimentation, and sea-level rise. His research has been conducted primarily in various portions of coastal New Jersey and New York and it has both a basic science component as well as an applied side. He has been and continues to be consultant to the U.S. National Park Service and the U.S. Fish and Wildlife Service on shoreline dynamics and change in coastal parks and refuges.

### **Margarita Stancheva**



Margarita is currently Director of the Center for Coastal and Marine Studies (CCMS) in Bulgaria. She has special interests in coastal geomorphology, coastal processes, sand beaches/dunes, coastal erosion/cliff retreat and shoreline changes, and recently in MSP and sustainable coastal development. She has a PhD in Oceanology with thesis: “Beach dynamics and modifications under impact of port and coast-protection structures”. Since 2009 she has been convener of Geomorphology Session at the EGU General Assembly: “Coastal zone geomorphologic interactions: natural versus human-induced driving factors”. Research Fellow to the Programme for the Study of Developed Shorelines (PSDS), WCU – USA. Author of a chapter for Bulgaria in a book on *Coastal Erosion and Protection in Europe - A Comprehensive Overview*, co-author in coastal atlas on *Sensitivity Mapping and Analysis of the Bulgarian Black Sea Coastal Zone* and primary author of a book on *Burgas Case Study: Land-Sea Interactions*.

### **Marinez Scherer**



Marinez has a degree in Biological Sciences (Federal University of Santa Catarina / Brazil) and a PhD in Marine Science at University of Cadiz / Spain. She has been teaching Integrated Coastal Management at Federal University of Santa Catarina, and is the Research Leader of the Integrated Coastal Management Group and Laboratory. Marinez is also visiting professor at the University of Cadiz. She is the executive secretary of the Brazilian Sea Forum and the Technical Director of the Brazilian Agency for Coastal Management. She is also one of the Brazilian Coordinators of the Ibero American Network on Coastal Management (IBERMAR). Her main research interests are on

integrated coastal and marine management, ecosystem based management, coastal and marine protected areas, and networks.

### **Françoise Breton**



Emeritus Professor at the Universitat Autònoma de Barcelona, she is involved in research on coastal and sea socio-environmental systems and resource management. Anthropologist, geographer and Environmental Science expert, work focused on integrated management, co-management of ecosystems and habitats, and governance.. Formed in Paris X University, later at the Boston University (1978-1980), and at the UAB, she created and directed the Centre for Sea study in Sitges, Barcelona Diputació (1981-90), working on fisheries, fishermen knowledge, and fishery anthropology in collaboration with A. Geistdorffer and the Museum of Natural History of Paris. Head of the UAB Interfase Research Group since 1990. After different collaborations with international institutions in Europe, she coordinated the EU FP7 project PEGASO, on ICZM and governance in the Mediterranean and the Black Sea (2010-2014), She developed with IRD responsible research with local communities on ecosystem services and food security in the West-African coast. Since 2015, she focussed research on marine mammals in the Arctic and their interactions with people, collaborating with the Norwegian College of Fishery Sciences, University of the Arctic –Tromsø, and the Svalbard University, Norway, The Research Center on the ARCTIC was Inaugurated the 1<sup>st</sup> December 2017 at the Universitat Autònoma de Barcelona, together with the 2017 Stefansson Memorial Lecture, by the Stefansson Arctic Institute (Iceland), where she is Associate Professor, and the Institute of Arctic Studies, Dartmouth College, USA. In February 2016, she awarded the Narcís Monturiol medal of the Catalan govern in recognition to her high research and innovation trajectory.

### **Paolo Ciavola**



Paolo is an Associate Professor of Coastal Dynamics and Geomorphology in the Department of Physics and Earth Sciences of the University of Ferrara, where he teaches Physical Geography and Geomorphology, Coastal Risk, GIS and Remote Sensing. His current main research interests include coastal processes, the impact of climate change on coastal morphology, the role of extreme storm events in generating coastal risk, river delta and estuarine dynamics, sedimentation in coastal lagoons. He is on the Editorial Board of the Journal of Coastal Research, Continental Shelf Research and the Journal of Integrated Coastal Zone Management of Portuguese Speaking Countries. He was an expert reviewer of the IPCC WGII AR5 report- Europe Chapter and is currently a Science Officer of the European Geoscience Union for the Natural Hazard sub-group. Recently he has published for Wiley two books dealing with coastal storms (*Management of the Effects of Coastal Storms: Policy, Scientific and Historical Perspectives*; *Coastal Storms: Processes and Impacts*).

### **Jeffrey Ollerhead**



Jeff Ollerhead is a member of the Geography and Environment Department at Mount Allison University in Sackville, NB, Canada. He is a coastal geomorphologist who studies beaches and salt marshes. In recent years, he has been particularly involved in designing and monitoring salt marsh restorations in the upper Bay of Fundy. He was Dean of Science and Graduate Studies for 10 years and is now Provost and VP, Academic and Research, at Mount Allison.

### **Abdelmounim El M'rini**



Abdelmounim is Professor at the Department of Earth Sciences at Abdelmalek Essaâdi University of Tetouan (Morocco). He has a PhD from Abdelmalek Essaâdi University and from Nantes University (France). His research activities focus on the characterization of coastal systems and the impacts of human activities on their processes at the short, medium and long terms. He has participated at many projects that focus on coastal areas with technical approaches (coastal morphodynamics, coastline kinematics, impact of coastal facilities, coastal flooding hazards, sedimentological, geochemical and isotopic studies), as well as coastal planning and management (in this context, in Integrated Coastal Zone Management projects). This works are done mainly in collaboration with Moroccan, French, Spanish and Italian colleagues. He teaches coastal geomorphology, interactions on coastal systems, Integrated Coastal Zone Managements and the application of remote sensing to coastal environments.

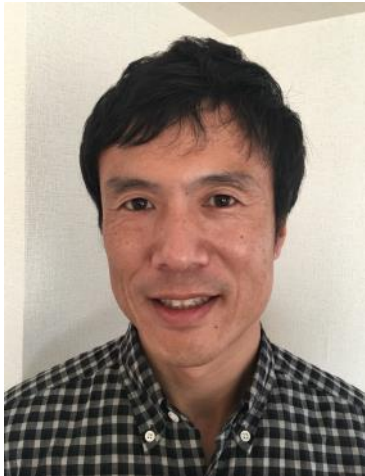
### **David Green**



David is Director of the Aberdeen Institute for Coastal Science and Management (AICSM); Director of the M.Sc. Degree Programme in Geographical Information Systems (GIS); and Director of the UAV Centre for Environmental Monitoring and Mapping (UCEMM) at the Department of Geography and Environment, University of Aberdeen, Scotland, United Kingdom. His interests lie with Remote Sensing, UAVs, GIS and Mobile GIS, Digital Mapping and Hydrography, Coastal Management, and Marine Spatial Planning (MSP).



## **Toru Tamura**



Toru is senior researcher at the Geological Survey of Japan, National Institute of Advanced Industrial Science. He has a PhD in Geology at Kyoto University, and is also a visiting associate professor at Graduate School of Frontier Sciences, University of Tokyo. His primary research interest is multi-temporal scale evolution of the coastal landform in sandy beach and muddy deltaic systems. He has studied many coastal systems mainly in Asia and Australia using a combination of sediment cores, radiocarbon dating, optically-stimulated luminescence dating, remote sensing and ground-penetrating radar, for better understanding of the present and predicting future coast. He also manages an OSL dating laboratory at the Geological Survey to enhance the dating of Pleistocene and Holocene coastal landforms and stratigraphy.

## **Paul Rooney**



Paul is the Deputy Head for the Department of Geography and Environmental Science at Liverpool Hope University, United Kingdom. Following studying at university, Paul became a Coastal Ranger on the Sefton Coast, the largest area of open dunes in England. In 1995 he was appointed as the Project Officer for an EU funded LIFE-Nature project to implement species and habitat restoration and to develop a conservation strategy for the Special Area of Conservation (SAC) for that dune coast. Paul joined the Liverpool Hope University in 1999 and established the UK Sand Dune and Shingle Network in 2006. The aim of the network is to help to conserve sand dunes and shingle as dynamic landscapes by linking science and management. Paul's research interests are mainly in coastal dune ecology, change and management. He is a Chartered Environmentalist, a full member of the Chartered Institute of Ecology and Environmental Management, a Chartered Geographer through the Royal Geographical Society (with IBG), and a Fellow of the Higher Education Academy (now part of Advance HE).



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