

# newsletter

Union Géographique Internationale  
International Geographical Union

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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 enjoy reading this July Newsletter of the Commission on Coastal Systems. It describes some recent activities in relation to coastal studies. The Commission sponsored several sessions at the General Assembly of the European Geosciences Union and we very much appreciate the contributions that many of you have made to promoting coastal science at that meeting, and at others. I'd like to extend a special thank you to Margarita Stancheva and Marinez Scherer who have put together several very informative summaries of recent developments in terms of growth in the Blue Economy and Marine Spatial Planning. It is great to see these rapidly developing sub-fields within the broader discipline of coastal studies.

A feature of this issue is the strong focus on the Mediterranean region. Not only were several of these past meetings held close to the Mediterranean, but there are many forthcoming meetings that also will be held in the region. These include *Coastal Cities* in Rome (Italy) in September 2019, *MEDCOAST* in Marmaris (Turkey) in October 2019, the *International Coastal Symposium* in Seville (Spain) in April 2020, the *EGU General Assembly* in Vienna (Austria) in April 2020, and the *International Geographical Congress (IGC)* which will be held in Istanbul in August 2020. There are opportunities to share in the description, analysis and understanding of coastal environments, not only around the Mediterranean but globally, at each of these, and many other meetings and workshops. The Commission on Coastal Systems plans to convene or sponsor sessions at EGU and IGC; we would be pleased to hear from any of you who would like to help organise those sessions, or others with a coastal focus.

I hope you are enjoying some wonderful coastal environments, wherever you are, and that you will share your experiences and your research outcomes with the Commission and its membership. Please join me in thanking Margarita for the great effort she has done in pulling together this, another very informative newsletter, and consider contributing information and ideas for future newsletters by contacting Margarita or myself.

COLIN WOODROFFE

## PHOTO OF THE ISSUE



Wineglass Bay - a fine example of a log-spiral beach on the remote east coast of Tasmania

**Submitted by CCS Chair:** Prof. Colin Woodroffe

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## REPORTS ON MEETINGS

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**JANUARY 22, 2019. THE ROLE OF REGIONS IN FOSTERING BLUE GROWTH, BERLIN, GERMANY**

Conference  
**“THE ROLE OF REGIONS IN FOSTERING BLUE GROWTH”**  
 22nd January 2019, Berlin

Dr. Margarita Stancheva (CCS Secretary) participated at the **Smart Blue Regions** project Conference **“The role of regions in fostering blue growth”** held on **22<sup>nd</sup> January 2019** in Berlin, Germany. The conference was organised by the **SUBMARINER Network for Blue Growth EEIG** and brought together a wide range of interested stakeholders from the business community, public administrations, research and academia. The **SUBMARINER Network** promotes innovative approaches to the sustainable use of marine resources and offers a cooperation platform to related actors and initiatives in the Baltic Sea Region. The network is a hub for projects, initiatives and activities at all levels.



*Photo credits: SUBMARINER Network (joint photo) and CCMS*

This important event was especially focused on:

- Paving the way for regional Blue Growth cooperation
- Smart Specialisation and Multi-Use as drivers for Blue Growth
- Approaches to financing Blue Growth cooperation
- Policy measures and support structures for fostering Blue Growth

For more information on the conference, the speakers' presentations from the plenaries and the workshop sessions as well as the picture gallery visit the SUBMARINER Network for Blue Growth EEIG website: <https://www.submariner-network.eu/projects/smartbluregions/final-conference> .

**Submitted by CCS Secretary:** Margarita Stancheva (CCMS, Bulgaria)

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## **MARCH 19, 2019. REGIONAL STAKEHOLDER SEMINAR ON BLUE ECONOMY - TOWARDS A COMMON MARITIME AGENDA FOR THE BLACK SEA, ISTANBUL, TURKEY**



The Regional Stakeholder Seminar on Blue Economy took place on 19 March 2019 in Istanbul, Turkey at the Hilton Istanbul Maslak. The Seminar was organized by the Facility for Blue Growth (<https://blackseablueeconomy.eu/>) with the support of the European Commission and the Black Sea Economic Cooperation, Permanent International Secretariat (**BSEC PERMIS**). It brought together policy experts, scientists, entrepreneurs and regional organisations for debating on the challenges and opportunities for cooperation on marine and maritime affairs in the Black Sea and identifying joint actions to support an innovative, resilient and sustainable blue economy in the region.



Dr. Margarita Stancheva (CCS Secretary) was invited as a key participant to contribute to the discussions in Workshop 3: Coastal and maritime tourism ([PDF](#)) "3. An attractive Black Sea region: sustainable coastal and maritime tourism" and Workshop 4: Environment and marine litter ([PDF](#)) "4. Healthy marine environment and fight against plastic pollution".

For more details on the Seminar, thematic workshops and findings from the discussions, follow the Seminar webpage of the Facility for Blue Growth: <https://blackseablueeconomy.eu/>.

**Submitted by CCS Secretary:** Margarita Stancheva (CCMS, Bulgaria).

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## MARCH 26-29, 2019. 2<sup>ND</sup> INTERNATIONAL FORUM FOR MARINE SPATIAL PLANNING (MSPFORUM), RÉUNION ISLAND, FRANCE



The MSPforum aims at improving mutual understanding of Marine/Maritime Spatial Planning (MSP) by sharing examples of different planning processes worldwide, including national MSP objectives, priorities and actions being undertaken or planned. Established in 2017 by the **European Commission's Directorate-General for Maritime Affairs and Fisheries (DG MARE)** and **UNESCO's Intergovernmental Oceanographic Commission (IOC-UNESCO)**, its results will feed into their new MSPglobal joint initiative to develop international guidelines on cross-border and transboundary MSP (<http://www.mspglobal2030.org/msp-global/>).

The second edition of the International Forum for Marine Spatial Planning (MSPforum) took place on 26-29 March 2019 in Réunion Island, France. It had the involvement of 51 participants (63% women) from 25 different countries, representing all continents.



The participants belonged to different categories of MSP stakeholders: governmental and intergovernmental authorities (43%), academia (45%), NGOs (6%) and the private sector (6%). Three panel discussions on the status of MSP in the Indian Ocean, stakeholder engagement and the sustainable blue economy allowed participants to learn about the experiences of national practitioners on issues related to transboundary MSP, funding, the science-policy interface and economic growth.

Photo source: <http://www.mspglobal2030.org/msp-forum/la-reunion/>

Prof. Marinez Scherer, Federal University of Santa Catarina, Brazil (the CCS Steering Committee member) actively participated at the event as a speaker at the "**Sector-specific aspects with local stakeholders**" discussion panel and also helped to report on the fishery sector (the results of the meeting of representatives of

this sector). The 2<sup>nd</sup> MSPforum also counted with Technical Workshops. Participants were divided into roundtables to discuss different topics related to the theme of each workshop: 1. Land-sea Interactions / ICZM; 2. Sectors; 3. Links with Blue Economy. At the end of the rounds, they had to summarize the shared knowledge in three key messages per topic.



Discussion Panels  
Credits: Marinez Scherer



Round table  
Credit: Marinez Scherer



Prof. Marinez Scherer speaking at discussion panel  
Photo source: <http://www.mspglobal2030.org/msp-forum/la-reunion/>



Interviewing fishers sector  
Credit: Marinez Scherer



Presenting the Energy sector to all participants  
Credit: Marinez Scherer

For the first time, the MSPforum included in its Agenda a day dedicated to meeting local stakeholders to create a space for representatives of maritime sectors in the forum to contribute, complementing the discussions that professional planners were having during the event. About 20 local stakeholders were interviewed and the main findings were shared with all participants.

The 2<sup>nd</sup> MSPforum was an excellent opportunity to exchange MSP practices and tools with over 50 MSP practitioners from more than 20 nationalities. **You can find the report, presentations and multimedia of the MSPforum in La Reunion (France) available on the MSPglobal website:** <http://www.mspglobal2030.org/msp-forum/la-reunion/>.

**Submitted by CCS SC Member:** Prof. Marinez Scherer (Federal University of Santa Catarina, Brazil)

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## APRIL 7-12, 2019. EUROPEAN GEOSCIENCES UNION (EGU), VIENNA, AUSTRIA



Two special coastal sessions at the EGU2019 were sponsored by the Commission on Coastal Systems of the International Geographical Union:

The GM11.2 Session on ‘Coastal Morphodynamics: nearshore, beach, and dunes’ took place for the third consecutive year on 11<sup>th</sup> April (oral talks) and 12<sup>th</sup> April (poster presentations) convened by Derek Jackson (Ulster University, UK), Irene Delgado-Fernandez (Edge Hill University, UK) and Emilia Guisado-Pintado (University of Seville, Spain).



**(Top left):** Conveners Irene Delgado-Fernandez, Derek Jackson and Emilia Guisado-Pintado outside the conference centre in Vienna; **(Top right):** Solicited speaker Rob Young presenting on beach nourishment, convened by Irene Delgado-Fernandez and Emilia Guisado-Pintado; **(Bottom left):** Natalia Bugajny speaking on modeling volumetric changes of the Southern Baltic dune coast with Derek Jackson and Irene Delgado-Fernandez convening.

Highlights of the oral session included two solicited talks given by Adam Switzer (Nanyang Technological University, Singapore) and Rob Young (Western Carolina University,

USA). Adam outlined the latest research on recent storms on the barrier system in Bicol, Philippines, while Rob gave an overview of beach nourishment activities in the USA. Abstracts from 20 different countries were submitted to this now popular Coastal Morphodynamics session which was allocated *two* oral slots and a poster slot with excellent quality posters covering a range of coastal dynamic themes. A good balance of Early Career Scientists (ECS) and more established scientists presented their excellent research findings, helping to make the 2019 event another huge success.

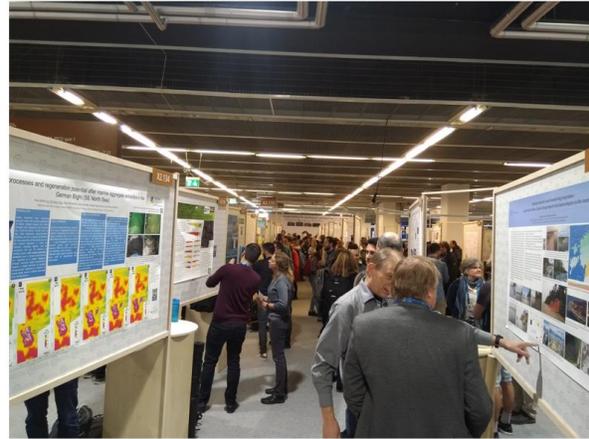
The GM11.2 Coastal Morphodynamics session welcomed contributions from themes focusing on the measurement and modelling of coastal processes and geomorphological responses across the three sub-units of sandy coastlines (nearshore, beach and dunes) over a range of spatial and temporal scales. The session seeks to highlight the latest developments in our understanding of coastal geomorphic systems, and to encourage students and early career researchers to think across interdisciplinary boundaries and geomorphological issues hindering sufficient quantification of coastal evolution. The session, sponsored by the Commission on Coastal Systems, helped add to what is now a healthy presence of coastal and marine themes at the annual EGU meeting.

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

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**The EGU2019 GM11.5 Session on “Coastal Zones under Natural and Human-Induced Pressure”** was held with 24 abstract submissions, and was divided into one oral session of seven 15-minute talks and a poster session with 17 poster presentations. The oral session was conducted on Thursday, 11 of April 2019 and the poster session was conducted on Friday, 12 of April 2019. The session was conducted by merging of two coastal geomorphology sessions: **“Coastal zone geomorphologic interactions: natural versus human-induced driving factors”** (sponsored by CCS of IGU) and **“Estuaries and deltas under pressure”** and it was convened by: Margarita Stancheva (Center for Coastal and Marine Studies, Bulgaria); Jasper Leuven (Utrecht University, Netherlands), Andreas Baas (King`s Colledge, UK), Giorgio Anfuso (University of Cadiz, Spain), Lisa Harrison (University of Hull, UK), Hannes Tõnisson (Tallinn University, Institute of Ecology, Estonia), Wout van Dijk (Utrecht University, Netherlands), Guillaume Brunier (Université Bretagne Sud, Laboratoire Géosciences Océan, France). The merged session was also sponsored by the Commission on Coastal Systems and it aimed to bridge the gap between natural coastal zone dynamics and future response to human influence and climate change. Contributions included subjects related to coastal geomorphology: evolution of coastal landforms, coastal morphodynamics, coastline alterations and various associated processes in the coastal zone, e.g. waves, tides and sediment drift, which shape coastal features and cause morphological changes. The topics included works on predictions of shoreline change and coastal erosion, beaches, estuary and delta development and discussions on the effects of human activities and their continuing contribution to coastal changes.

The oral program was chaired by Hannes Tonisson (Estonia) and Wout van Dijkand (Netherlands) (<https://meetingorganizer.copernicus.org/EGU2019/orals/32836>). The session started with solicited talk on **Tourism Oriented Coastal Interventions. Intentions and Side Effects**, by George Alexandrakis and Nikolaos Rempis. The poster program of GM11.5 Session also included a broad selection of high quality coastal studies (<https://meetingorganizer.copernicus.org/EGU2019/posters/32836>) and it was chaired by Jasper Leuven (Netherlands) and Lisa Harrison (UK). The posters reported many important and innovative research developments, such as on: the resilience and sustainability of the Mekong delta to changes in water and sediment fluxes; refill processes and regeneration potential after marine aggregate extraction in the German Bight (SE North Sea); coupling subtidal and intertidal evolution - morphodynamic processes and feedbacks at the Suriname coastal fringe, derived from Landsat Earth Observations in Google Earth Engine; spatio-temporal variations in sedimentary processes in the tidal river to estuarine reach of the Ayeyarwady Delta, Myanmar and others.



Submitted by Session Conveners: Dr. Hannes Tonisson (Estonia) and Dr. Margarita Stancheva (Bulgaria)

The next EGU General Assembly 2019 will be on 3 – 8 May 2020 in Vienna, Austria, and we are looking forward to your active participation again!

**12-15 MAY, 2019. 3<sup>RD</sup> INTERNATIONAL FORUM FOR MARINE SPATIAL PLANNING (MSPFORUM), VIGO, SPAIN**



12-15 May 2019  
Vigo, Spain



With the support of:



The third edition of the International Forum for Marine Spatial Planning (MSPforum) took place between 12 May - 15 May, 2019 in Vigo, Spain. The Forum was jointly organised by the **European Commission's Directorate-General for Maritime Affairs and Fisheries (DG MARE)** and **UNESCO's Intergovernmental**

**Oceanographic Commission (IOC-UNESCO) under the adopted Joint Roadmap to accelerate Maritime/Marine Spatial Planning processes worldwide",** see more details: <http://www.mspglobal2030.org/>



The 3<sup>rd</sup> MSPforum brought to Vigo – a coastal city where maritime activities have shaped economic development for centuries - 111 participants (49% women) from 32 nationalities working in 26 different countries. The participants belonged to different categories of MSP stakeholders: governmental and intergovernmental authorities (44%), academia (43%), NGOs (3%), private sector (4%) and master students on MSP (6%). Three different **Panels** were organized to discuss pre-defined MSP topics: on **“How to do an MSP Plan”**, **“Data, information and tools for MSP”** and **“MSP transboundary synergies”**.

Photo credit: <http://www.mspglobal2030.org/msp-forum/vigo/>

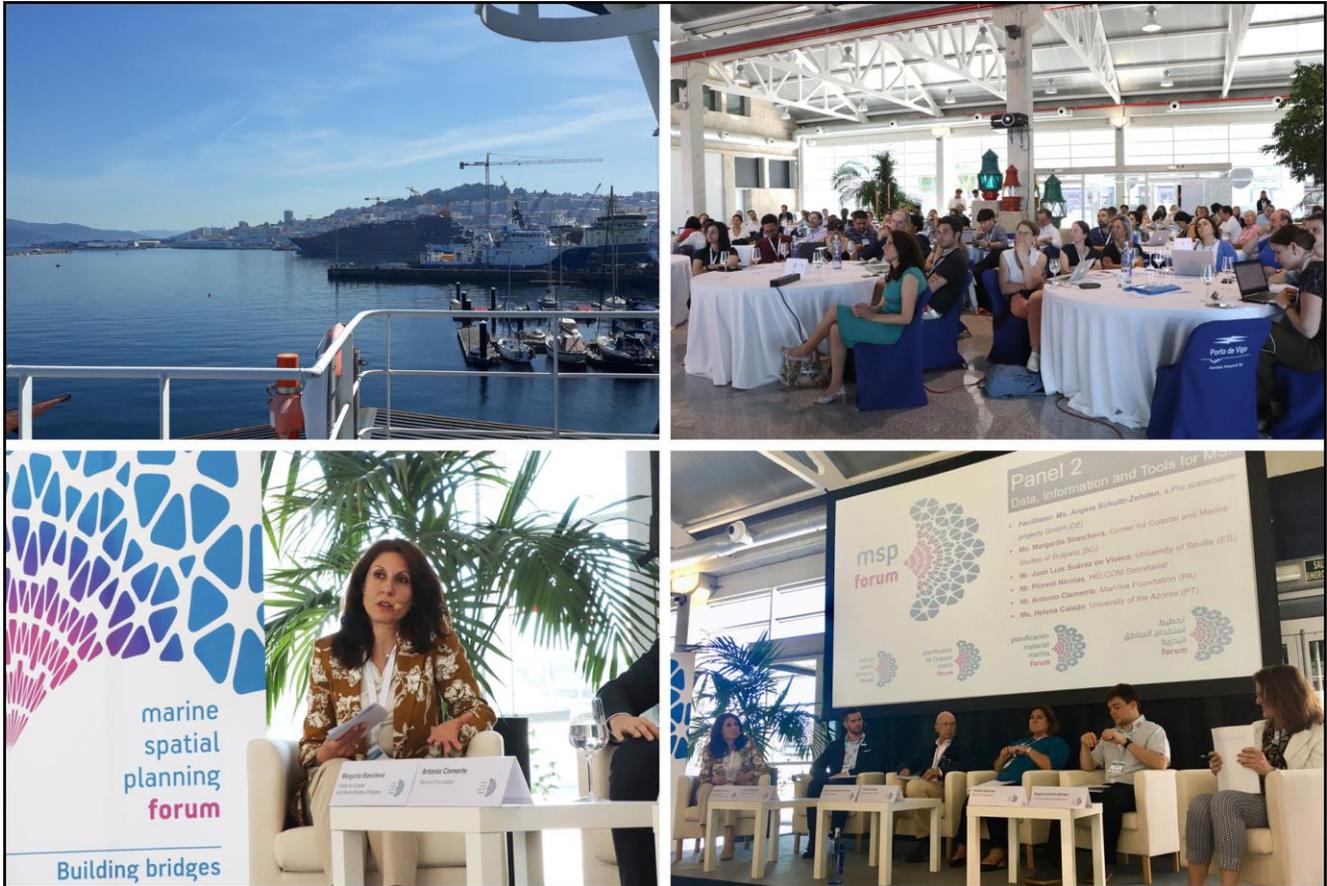
For the **Technical Workshops**, participants were divided into roundtables to share their own practical experiences and knowledge about the topic discussions that started in each panel. At the end of the rounds, they had to summarize their findings in key messages to be shared with the plenary, which are presented in the full MSPforum report.

Following the successful implementation of engagement activities with local stakeholders in the 2<sup>nd</sup> MSPforum in La Reunión, France, the 3<sup>rd</sup> edition in Vigo, Spain also included in its Agenda a full day dedicated to **meeting local stakeholders**, creating a space for representatives of maritime sectors in the forum in order to complement the discussions that professional planners were having during the event. With the support of the Port Authority of Vigo, stakeholder visits were scheduled with 17 different groups of stakeholders. Each group, some accompanied by an invited local stakeholder, reported their findings to all participants. The presentations focused on a description of the maritime sector/activity, the stakeholder group’s perspective about MSP and suggestions to improve the link between the visited sector and MSP. To improve interaction and dissemination, participants shared their experiences on Twitter throughout the day, with the #MSPforum and #MSPglobal hashtags.

The CCS SC Member Prof. Marinez Scherer, Federal University of Santa Catarina, Brazil actively participated as rapporteur and coordinator in the group **Guardia Civil**, for **meeting local stakeholders** (See PPT on Guardia Civil: [http://www.mspglobal2030.org/wp-content/uploads/2019/06/MSPforum\\_Vigo\\_StakeholderVisits\\_GuardiaCivil.pdf](http://www.mspglobal2030.org/wp-content/uploads/2019/06/MSPforum_Vigo_StakeholderVisits_GuardiaCivil.pdf)).

The CCS Secretary Dr Margarita Stancheva (CCMS Director, Bulgaria) actively participated as invited speaker at the panel **“Data, information and tools for MSP”**, as rapporteur at the **Technical Workshop 1: Identifying good practices for MSP implementation at national and transboundary scale, Step 4: Engaging Stakeholders in Each Step** and in the group **Shipyards** for **meeting local stakeholders**

(See the photos below and PPT on Shipyards: [http://www.mspglobal2030.org/wp-content/uploads/2019/06/MSPforum\\_Vigo\\_StakeholderVisits\\_Shipyards.pdf](http://www.mspglobal2030.org/wp-content/uploads/2019/06/MSPforum_Vigo_StakeholderVisits_Shipyards.pdf)).



Dr. Margarita Stancheva speaking at the discussion panel (both photos down)

Photo credit (collage): <http://www.msfglobal2030.org/msp-forum/vigo/>

You can find the full report, photos and presentations of the MSPforum in Vigo, Spain available on the MSPglobal website: <http://www.msfglobal2030.org/msp-forum/vigo/>.

Submitted by CCS Secretary: Margarita Stancheva (CCMS, Bulgaria)

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## MEETINGS WITH COASTAL INTEREST

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### 11-13 SEPTEMBER 2019. COASTAL CITIES 2019, 3<sup>RD</sup> INTERNATIONAL CONFERENCE ON COASTAL CITIES AND THEIR SUSTAINABLE FUTURE, ROME, ITALY

The International Conference on Coastal Cities and their Sustainable Future was held for the first time in 2015 in the New Forest, home of the Wessex Institute. Following its success, it was decided to reconvene the event after the second conference being held in Cadiz, Spain in 2017. The growth of world population and the preference for living in coastal areas has resulted in their ever-increasing development. Coastal areas are the most common destination, which brings in economic growth but implies additional urban development and increases the need for resources, infrastructure and services. The strategic location of coastal cities for instance, facilitates

transportation and the development of related activities, but this requires the existence of large ports, with the corresponding increase in maritime and road traffic and all its inherent negative effects.



The above-mentioned activities and others common to coastal cities require the development of well-planned and managed urban environments, not only for reasons of efficiency and economics, but also to avoid inflicting environmental degradation that causes the deterioration of natural resources, quality of life and human health. To mitigate these problems it is necessary to consider coastal cities as dynamic complex systems which need energy, water, food and other resources in order to work and generate diverse activities, with the aim of offering a better socio-economic climate and quality of life. As a consequence, the integrated management and sustainable development of coastal cities is essential, with science, technology, architecture, socio-economics and planning, all contributing to provide support to decision makers.

**Further details can be found on the conference website:**

<https://www.wessex.ac.uk/conferences/2019/coastal-cities-2019>.

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**16-17 SEPTEMBER 2019. COASTAL ZONE 2019 CONFERENCE: "SUSTAINABLE MANAGEMENT OF COASTAL ECOSYSTEM- A GLOBAL RESPONSIBILITY", AMSTERDAM, NETHERLANDS.**

The [International Conference on Coastal Ecosystem and Management](#) scheduled on September 16-17, 2019 at Amsterdam, Netherlands includes prompt keynote presentations, oral talks, poster presentations, and exhibitions. Coastal Zone 2019 aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of coastal ecosystem and ocean sciences. It also provides a premier interdisciplinary platform for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of coastal zone management.

**SCIENTIFIC SESSIONS:**

1. Coastal Ecosystem;
2. Coastal Zone Management
3. Mangrove Ecosystem
4. Coastal Resources:
5. Coastal Processes
6. Coastal Oceanography
7. Near-shore and Surf Zone Processes
8. Ocean, Fisheries and Coastal Economics
9. Coast and Shore Protection
10. Underwater/Marine Life
11. Coastal Archaeology

**Abstract submission was closed on 31 May 2019.**

**Registration is until 15 July 2019.**

Follow more details on the conference website: <https://www.meetingsint.com/conferences/coastalzone>

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**22-26 OCTOBER 2019. MEDCOAST 2019, MARMARIS, TURKEY**



## **MEDCOAST 19**

THE FOURTEENTH INTERNATIONAL MEDCOAST CONGRESS ON  
COASTAL AND MARINE SCIENCES, ENGINEERING, MANAGEMENT & CONSERVATION



The **Fourteenth MEDCOAST Congress on Coastal and Marine Sciences, Engineering, Management & Conservation (MEDCOAST 19)** is to be held on 22 – 26 October 2019, Club Yazici Turban Hotel, Marmaris, Turkey. The congress is organised by the MEDCOAST Foundation and the Chair is Prof. Erdal Ozhan.

The **MEDCOAST 19** takes place at a time when the European Commission is keenly involved in facilitating programs for the Mediterranean and the Black Sea in the fields of Integrated Maritime Policy (IMP), Maritime Spatial Planning (MSP) and Blue Growth (Economy) and this important event will be an excellent opportunity for discussing national and regional efforts and capacities, as well as for networking and collaboration.

### **Main congress topics:**

- A. Coastal systems, Conservation issues**
- B. Integrated Coastal Management (ICM)**
- C. Coastal management issues**
- D. Sustainable development of coastal areas**
- E. Coastal engineering, Modelling, Decision support systems, Data management**

The manuscripts of accepted papers for both oral or poster presentations will be published in the Proceedings without indication of the mode of presentation and the extended abstracts in the Book of Extended Abstracts of MEDCOAST 19 Congress.

The abstract submission runs from 15<sup>th</sup> of March until 7<sup>th</sup> of June 2019. More information about the congress deadlines, programme, registration fees & accommodation are posted at the Congress web page.

**For other information**, contact MEDCOAST Foundation:

E-Mail: [medcoast2019@medcoast.net](mailto:medcoast2019@medcoast.net)

Phone: + 90 (252) 284 44 50

Mail: P.O. Box 10, Ortaca

48600, Mugla, TURKEY

Website: [www.medcoast.net](http://www.medcoast.net)

**Conference website:** [www.conference.medcoast.net](http://www.conference.medcoast.net)

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## **APRIL 20-23, 2020. INTERNATIONAL COASTAL SYMPOSIUM 2020, SEVILLE, SPAIN**

The next **International Coastal Symposium (ICS2020)** will be held from Monday 20<sup>th</sup> April to Thursday 23<sup>rd</sup> of 2020 at Hotel Alfonso XIII in the city of Seville, Spain. This is the first time the International Coastal Symposium (ICS) will be held in Spain.

The symposium will be hosted by the Coastal Environments Research Group, Universidad Pablo de Olavide de Sevilla, under the auspices of the Coastal Education and Research Foundation (CERF) and the Journal of Coastal Research (JCR).



The ICS brings together delegates from all over the world to collaborate and discuss the most current coastal research studies and projects. The proceedings of the conference, published as peer-reviewed papers in the Journal of Coastal Research, represent an invaluable resource for coastal scientists, engineers and managers.

**Abstract submission was closed on 8<sup>th</sup> of April 2019.**

**Paper submission:** 7<sup>th</sup> June 2019 – 14<sup>th</sup> November 2019

For more information on the deadlines, registration and programme, visit: <https://www.ics2020.org/>.

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## HIGHLIGHTS & FEATURES

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**The International Geographical Union (IGU)** promotes the study of geographical problems; initiates and coordinates geographical research requiring international cooperation; promotes scientific discussion and



publication; provides for the participation of geographers in the work of relevant international organizations; facilitates the collection and diffusion of geographical data and documentation in and among its member countries; promotes International Geographical Congresses, Regional Conferences and specialized symposia related to the objectives of the IGU; and participates in any other appropriate form of

international cooperation that advances the study and application of geography. The first International Geographical Congress was held in Antwerp in 1871. Subsequent meetings led to the establishment of the permanent organization in 1922. The IGU's working languages are English and French. See the IGU webpage - <https://igu-online.org/>.

The **Commission on Coastal Systems (CCS)** is one of the Commissions within IGU. The 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 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 **Coastal Update** has been published monthly since 1997 by the Atlantic Coastal Zone Information Steering Committee (ACZISC), now known as COINAtlantic (Coastal and Ocean Information Network Atlantic). Readers may review the archived issues of the Coastal Update in the COINAtlantic website (<https://coinatlantic.ca/>) newsletter section. Please feel free to circulate the Coastal Update among your networks and members. Note that items

included do not imply endorsement by COINAtlantic or its member agencies. Please visit the COINAtlantic [Facebook](#), [Twitter](#), [YouTube](#), and the COINAtlantic website: <https://coinatlantic.ca/> for regular updates and event listings.

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## BEACH AND DUNE NETWORK



Since many years there is a European Dune Network, at the beginning within the EUCC the Coastal Union. Recently it represents a self-organised network with close connection to the EUCC.

**Aims of the Coastal Dune network are to:**



- conserve sand dunes, shingle and sand beaches as dynamic landscapes with unique nature values
- promote the sustainable use and management
- support policies and actions that maintain the intrinsic natural values
- develop a vibrant European network of communities concerned with coastal dunes and their management
- support the knowledge and understanding of coastal dunes, and
- provide an international platform dedicated to coastal dunes

**This will be achieved by:**

- entusing and encouraging people to value and understand the habitats more thoroughly
- championing the habitats and support their nature value
- facilitating an exchange of knowledge and support actions that are good for the habitats
- making the Network an active community of participants and a recognised source of expertise and authority at a global level.

## Who is involved?

The Network includes, amongst others, site managers, national policy makers, students, researchers, ecologists, geomorphologists, hydrologists, foresters, coastal engineers, tourism managers.... Events always involve a cross-section of interests to bridge the gap between disciplines and to encourage lively debate.

The [BEACH-DUNE-NETWORK](#) webpage, just updated, is looking for more information, thus do not hesitate to send new links and information about projects, publications, meetings.....Do you have hints or ideas for improving the network or holding events, or do you know people who could support the Beach and Dune Network? If so, please send an email at: [dunes-d \(at\) eucc-d.de](mailto:dunes-d@eucc-d.de).

**Submitted by CCS Network Member:** Dr. Maike Isermann (BEACH-DUNE-NETWORK, Germany)

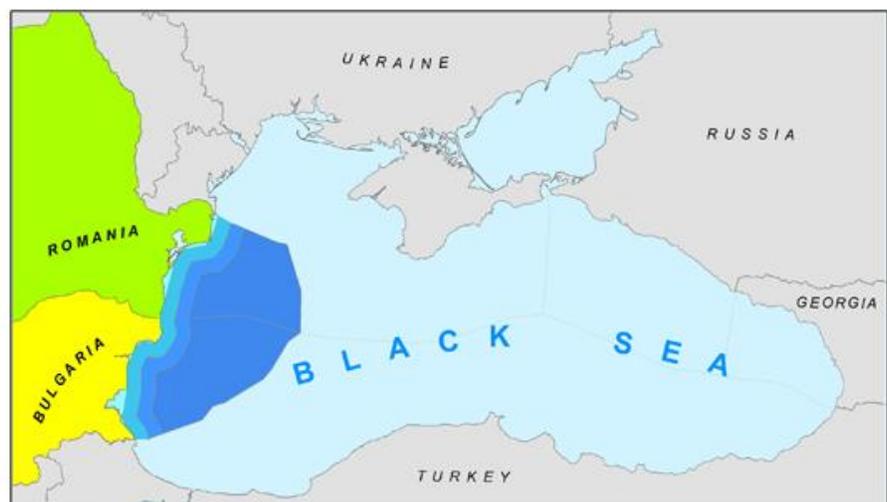
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## A NEW MSP PROJECT IN THE BLACK SEA - MARSPLAN-BS II

The new **MARSPLAN-BS II Project** (Cross-border Maritime Spatial Planning for Black Sea – Bulgaria and Romania) to support MSP in the Black Sea has started. The project is funded by the European Commission (DG MARE), Executive Agency for Small and Medium-sized Enterprises (EASME) under the European Maritime and Fisheries Fund (EMFF) of the European Union and will last 24 months between 01.07.2019 and 30.06.2021.



Co-funded by the European Maritime and Fisheries Fund of the European Union



The MARSPLAN-BS II Project brings together an outstanding partnership of eight key Bulgarian and Romanian institutions and organizations: the two Competent MSP Authorities - Ministry of Regional Development and Public Works of Bulgaria and Ministry of Regional Development and Public Administration of Romania; National Center for Regional Development, Bulgaria; National Institute for Marine Research and Development “Grigore Antipa”, Romania; Center for Coastal and Marine Studies, Bulgaria; GeoEcoMar, Romania, Ovidius University of Constanta, Romania; and Nikola Vaptsarov Naval Academy, Bulgaria.

***The Bulgarian Ministry of Regional Development and Public Works is the Coordinator of the MARSPLAN-BS II Project.***

The main project objective is to support the coherent, cross-sectoral MSP in Bulgaria and Romania under the framework of MSP Directive 2014/89/EU and to establish a long-lasting mechanism for the Black Sea Basin cross-border cooperation on MSP.

More specifically the project will ensure continuity in the cross-border MSP process for the Black Sea Basin; support the elaboration of the maritime spatial plans in Bulgaria and Romania based on the results of the first MARSPLAN-BS Project; develop the MSP common strategy for the cross-border area of Bulgaria and Romania, addressing also Land-Sea Interactions (LSI) and Multi-Use (MU) concept; provide effective stakeholder

participation in the design of national and cross-border MSP process and share information for the best available data and communicate knowledge on MSP for the Black Sea Basin.

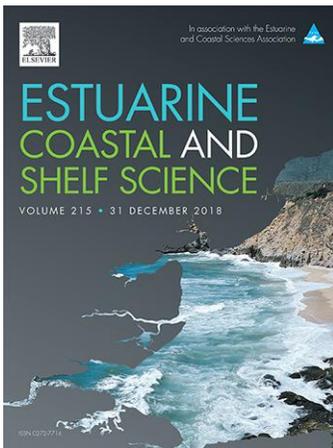
**Stay tuned for further news and updates on the MARSPLAN-BS II Project and its official launching in Sofia, Bulgaria organized by the Project Coordinator Ministry of Regional Development and Public Works of Bulgaria!**

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## CALL FOR CONTRIBUTIONS TO SPECIAL ISSUES

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### ESTUARINE COASTAL AND SHELF SCIENCE SPECIAL ISSUE: ESTUARIES AND COASTS OF THE SOUTHERN HEMISPHERE

**Editors:** Kerrylee Rogers (Australia), Débora de Freitas (Brazil), Janine Adams (South Africa) and Colin Woodroffe (Australia)

Coasts and estuaries of the southern hemisphere share key characteristics. In contrast to better studied systems of the northern hemisphere, many of these coastlines are subjected to high energy wave conditions, and have experienced relatively stable sea level, at or above present, for several millennia, resulting in comparable coastal plains and estuarine geomorphology.

Several papers for this special issue of *Estuarine Coastal and Shelf Science*, sponsored by CCS, have already been published, or are submitted, but there is still the opportunity for inclusion of additional papers on this theme.

Please contact Colin Woodroffe for more details: [colin@uow.edu.au](mailto:colin@uow.edu.au)

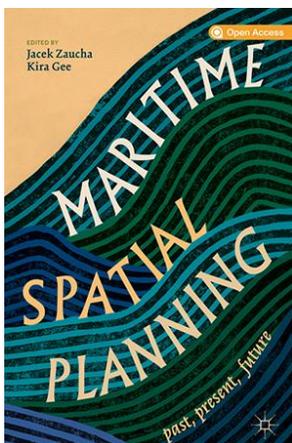
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## BOOKS ON COASTAL AND MARINE TOPICS

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### MARITIME SPATIAL PLANNING - PAST, PRESENT, FUTURE

**Editors:** Prof. Jacek Zaucha, Dr. Kira Gee

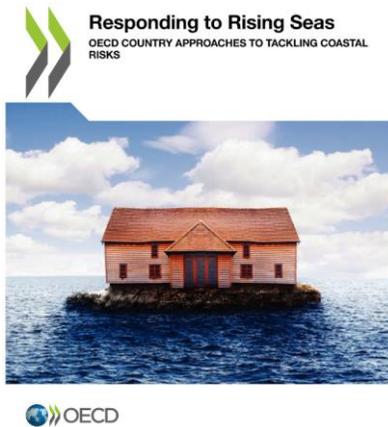


This open access book is the first comprehensive overview of maritime or marine spatial planning. Countries across the globe are beginning to implement maritime spatial plans; however, the authors of this collection have identified several key questions that are emerging from this growing body of MSP experience. How can maritime spatial planning deal with a complex and dynamic environment such as the sea? How can MSP be embedded in multiple levels of governance across regional and national borders – and how far does the environment benefit from this new approach? This book actively engages with the problems encapsulated in these questions, and explores possible solutions. Situated at the intersection between theory and practice, the volume draws together several strands of interdisciplinary research, reflecting on

the history of MSP as well as examining current practice and looking towards the future. The authors and contributors examine MSP from disciplines as diverse as geography, urban planning, political science, natural science, sociology and education; reflecting the growing critical engagement with MSP in many academic fields. This innovative and pioneering volume will be of interest and value to students and scholars of maritime spatial planning, as well as planners and practitioners. <https://link.springer.com/content/pdf/10.1007%2F978-3-319-98696-8.pdf>.

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## RESPONDING TO RISING SEAS: OECD COUNTRY APPROACHES TO TACKLING COASTAL RISKS



A new Organisation for Economic Co-operation and Development (OECD) report, *Responding to Rising Seas: OECD Country Approaches to Tackling Coastal Risks* was published. It takes a major step forward in providing policy guidance on how countries can more effectively manage the risks from sea level rise.

The report takes stock of what OECD countries are currently doing to prepare for coastal change, and puts forward a policy framework for coastal adaptation that is equipped to meet the challenges of ever-increasing global temperatures. Four case studies – Canada, Germany, New Zealand and the United Kingdom – provide in-depth examples of the challenges and success factors of coastal adaptation strategies under different institutional contexts.

It is vital that countries strengthen their ability to understand, plan for and continuously manage climate risks. This OECD report provides lessons learned and guidance for countries in approaching the challenges from climate change that will surely mount over coming years: [https://www.oecd-ilibrary.org/environment/responding-to-rising-seas\\_9789264312487-en](https://www.oecd-ilibrary.org/environment/responding-to-rising-seas_9789264312487-en).

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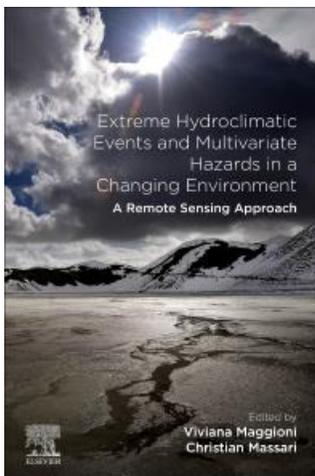
## EXTREME HYDROCLIMATIC EVENTS AND MULTIVARIATE HAZARDS IN A CHANGING ENVIRONMENT

1<sup>ST</sup> EDITION

A Remote Sensing Approach

**Editors:** Viviana Maggioni, Christian Massari

**Published Date:** 7 June 2019



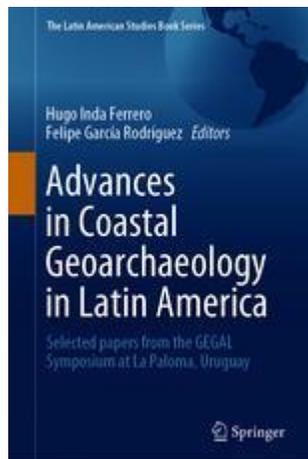
*Extreme Hydroclimatic Events and Multivariate Hazards in a Changing Environment: A Remote Sensing Approach* reviews multivariate hazards in a non-stationary environment, covering both short and long-term predictions from earth observations, along with long-term climate dynamics and models. The book provides a detailed overview of remotely sensed observations, current and future satellite missions useful for hydrologic studies and water resources engineering, and a review of hydroclimatic hazards. Given these tools, readers can improve their abilities to monitor, model and predict these extremes with remote sensing. In addition, the book covers multivariate hazards, like landslides, in case studies that analyze the combination of natural hazards and their impact on the natural and built

environment. Finally, it ties hydroclimatic hazards into the Sendai Framework, providing another set of tools for reducing disaster impacts. Elsevier: <https://www.elsevier.com/books/extreme-hydroclimatic-events-and-multivariate-hazards-in-a-changing-environment/maggioni/978-0-12-814899-0>.

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## **ADVANCES IN COASTAL GEOARCHAEOLOGY IN LATIN AMERICA**

**Editors:** Inda Ferrero, Hugo, García Rodríguez, Felipe (Eds.)



This book introduces selected contributions from the GEGAL (Spanish acronym for Latin American Geoarchaeological Studies Group) Workshop held at La Paloma Beach, Uruguay, with a focus on Coastal Geoarchaeology, and an attendance of more than 50 researchers, students and professionals from several Latin American countries. The contributions were selected in order to encompass the vast array of environmental, geomorphological and archaeological contexts comprised in the geographical frame of Latin America. Topics covered through the chapters include specific issues such as human occupation and fluvial dynamic processes in mountain and lowland environments, methodological developments in dating methods, taphonomy and chemical proxies, as well as landscape modification by anthropogenic disturbances. As the first compilation of Coastal Geoarchaeology for Latin America, this book is intended to become a useful tool for students, researchers and professionals from related fields, as it comprises not only the regional state of the art, but also new insights and developments which can be

potentially applied to other contexts worldwide.

Springer, 2020: <https://www.springer.com/us/book/9783030178277>.

**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.

R.B. Singh, Professor at the Department of Geography, Delhi School of Economics, University of Delhi, General Secretary of the International Geographical Union (IGU), is our liaison with the executive committee of the IGU: [rbsgeo@hotmail.com](mailto:rbsgeo@hotmail.com).

## THE STEERING COMMITTEE MEMBERS: WHO WE ARE

### Colin Woodroffe (CCS Chair since 2015)



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.

### Margarita Stancheva (CCS Secretary, Editor of Newsletter)



Margarita is Co-founder and 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, shoreline changes, 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*.

## Edward Anthony (Past Chair)



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 thesis, and teaches at both undergraduate and post-graduate levels.

## 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.

## 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).

## 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 subgroup. 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*).

## Abdelmounim El M'rini



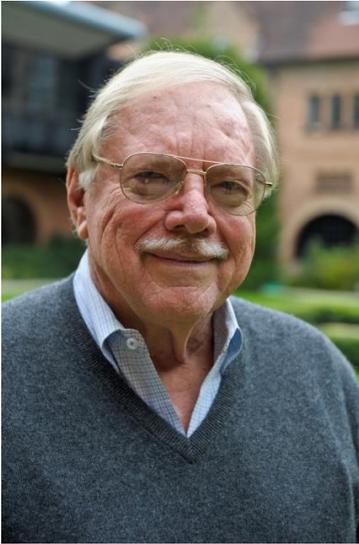
Abdelmounim is Professor at the Department of Earth Sciences at Abdelmalek Essaâdi University of Tetouan (Morocco). He has a PhD from Abdelmalek Essaâdi University and from Nantes University (France). His research activities focus on the characterization of coastal systems and the impacts of human activities 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.

## 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.

## 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.

## 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).

## 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.

## **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.

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### **Communication with the co-editors**

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