

COASTAL DYNAMICS 2025

7-11 April, Aveiro, Portugal



CONFERENCE PROGRAM



Table of Contents

1. Sponsors	3
2. Program at a glance	4
3. Short-courses	5
4. Technical sessions	6
5. Posters	18
6. Technical visits	20
7. Keynotes	24
8. Coastal award	25
9. Social events	26
10. Conference venue maps	27



COASTAL DYNAMICS 2025
7-11 April, Aveiro, Portugal

Coastal Dynamics 2025 Sponsors

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2. Program at a glance

7 th April	8 th April	9 th April	10 th April	11 th April
08:30 – 20:00	08:00 – 18:00	08:00 – 18:00	08:00 – 18:00	08:00 – 09:00
		Registration		
09:00 – 10:30	09:00 – 11:00	09:00 – 10:30	09:00 – 10:30	08:30 – 19:00
Short course #2 Short course #3	Opening ceremony Living with a dynamic coast in Portugal Keynote #1	Beach and dune morphodynamics 4 Coastal management 1 Hydrodynamics 4 Emerging technology 1	Monitoring and modelling 3 Shoreline evolution modelling 1 Coral and nature-based reefs 1 Sediment dynamics	
10:30 – 11:00 Coffee-break	11:00 – 11:30 Coffee-break	10:30 – 11:00 Coffee-break	10:30 – 11:00 Coffee-break	
11:00 – 12:30	11:30 – 13:00	11:00 – 12:30	11:00 – 12:30	
Short course #2 Short course #3	Beach and dune morphodynamics 1 Estuarine and coastal lagoons' 1 Hydrodynamics 1 Dynamic islands	Beach and dune morphodynamics 5 Coastal management 2 Hydrodynamics 5 Emerging technology 2	Monitoring and modelling 4 Shoreline evolution modelling 2 Coral and nature-based reefs 2	Technical visit #1 (8:45 – 18:15)
12:30 – 14:00 Lunch	13:00 – 14:30 Lunch	12:30 – 14:00 Lunch	12:30 – 14:00 Lunch	
14:00 – 15:30	14:30 – 16:00	14:00 – 15:30	14:00 – 15:30	Technical visit #2 (8:30 – 19:00)
Short course #1 Short course #2 Short course #3	Beach and dune morphodynamics 2 Estuarine and coastal lagoons' 2 Hydrodynamics 2 Coastal wetlands 1	Monitoring and modelling 1 Coastal management 3 Nature-based interventions 1 Climate change effects 1	Monitoring and modelling 5 Restoring river-coast dynamics Coral and nature-based reefs 3	Technical visit #3 (9:30 – 15:15)
15:30 – 16:00 Coffee-break	16:00 – 16:30 Coffee-break	15:30 – 16:00 Coffee-break	15:30 – 16:00 Coffee-break	
16:00 – 17:30	16:30 – 18:00	16:00 – 17:30	16:00 – 18:00	
Short course #1 Short course #2 Short course #3	Beach and dune morphodynamics 3 Participatory research Hydrodynamics 3 Coastal wetlands 2	Monitoring and modelling 2 Coastal management 4 Nature-based interventions 2 Climate change effects 2	Keynote #2 Awards Closing ceremony	
18:00 – 20:00	18:30 – 20:30	19:00 – 22:00	20:00 – 24:00	
Welcome reception	WICGE - Presentation and social hour	Young professionals - Barbecue	Conference dinner	

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7th April 2025 (Monday)

08:30 – 20:00 | Registration Desk | Rectorate Building

14:00 – 15:30 | 16:00 – 17:30 | Short course #1 | Room A (UNAVE Building)

Coastal Resilience Assessment – Transferring the Principles of Ecological Resilience to Coastal Geomorphic Systems

Ana Matias, Katerina Kombiadou, Rui Taborda, Susana Costas

Future resilience and adaptation capacity of sandy coasts is a growing concern, calling for urgent measures and strategies. These need to embrace the vision of managing coastal systems for resilience, designing novel options that incorporate natural cycles and dynamism and allow adaptation to changing conditions. Resilience has been used over a wide range of scientific fields and often ambiguously, causing confusion over terminology and concepts and giving rise to distinct interpretations and misconceptions. This short course intends to introduce, explain, and discuss the concept of resilience from the ecological perspective and demonstrate how these concepts can be adapted to quantitatively assess the resilience of coastal geomorphic features, such as barrier islands. The course will offer the opportunity to the participants to collectively discuss the presented approach, the potential of furthering the levels of complexity included, as well as possible alternatives and apply introduced concepts to a case study.

9:00 – 10:30 | 11:00 – 12:30 | 14:00 – 15:30 | 16:00 – 17:30 | Short course #2 | Room B (UNAVE Building)

Incorporating Data Science and Climate in Coastal Engineering

Fernando Méndez, Laura Cagigal, Alba Ricondo, Beatriz Pérez, Jose Antolínez

Accurate and quick assessment of extreme coastal inundation is critical for risk mitigation in coastal communities. To capture the entire complexity of the wave spectrum and take climate oscillations into account, weather-type-based climate emulators capable of generating plausible wave climate realisations are used. By combining these emulators with hybrid techniques that incorporate numerical modelling and data science, the computing effort required to investigate extreme events and coastal flooding can be greatly reduced. This short course will explain several statistical and hybrid modelling techniques, and participants will be able to apply the concepts taught to a real-world case study employing cloud-based Jupyter Notebooks. By the end of the course, participants will have gained practical experience applying these strategies to real-life circumstances that can be transferred anywhere in the world.

9:00 – 10:30 | 11:00 – 12:30 | 14:00 – 15:30 | 16:00 – 17:30 | Short course #3 | Room C (UNAVE Building)

Coastal Restoration Under Sea Level Rise

Agustín Sánchez-Arcilla, Robert Nicholls, Mark Schuerch, Richard Marijnissen, Vicente Gracia, Piero Lionello, Nuno Caiola, Joanna Staneva, Andrew Tyller

Coastal systems are increasingly threatened by climatic and human pressures especially relative sea level rise (SLR). Conventional coastal protection often falls short of the expected objectives, suggesting the incorporation of green engineering. This short course is structured into three blocs: a) coastal SLR and implications; b) downscaling through modelling; c) practical adaptation. The first block presents recent advances on SLR and the role of coastal ecosystems for adaptation, considering technical, societal and governance aspects. The second block presents past, present and future SLR in climatological modelling, as a basis to assess risks with/out coastal restoration. The third block presents some case studies of coastal restoration where coastal risks are reduced through of adaptation pathways. The course will end with a wrap-up session where all participants will be invited to briefly discuss (5 minutes each) their interest in coastal restoration under SLR.

18:00 – 20:00 | Welcome reception | Rectorate Building

Aveiro de Honra

Music – Tuna Universitária de Aveiro

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4. Technical sessions



8th April 2025 (Tuesday)

08:00 – 18:00 | Registration Desk | Rectorate Building

09:00 – 10:00 | Opening Ceremony | Room #1 (Rectorate Building)

Ana Lillebø - Vice-Rector of the University of Aveiro

Caroline Hallin - International Steering Board

Carlos Coelho - Local Organizing Committee

Living with a dynamic coast in Portugal: past, present and future management (Chair: Agustín Sánchez-Arcilla)

Celso Pinto - Portuguese Environment Agency

Music - Fado

Keynote lecture sponsored by Rohde Nielsen

10:00 – 11:00 | Keynote Speaker #1 | Room #1 (Rectorate Building) | Chair: Peter Ruggiero

Including nature and natural dynamics into management of coastal zones

Bregje van Wesenbeeck

11:00 – 11:30 | Coffee-Break | E24 Space

Poster session #1

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4. Technical sessions

11:30 – 13:00 Parallel Sessions			
Room #1 (Rectorate Building)	Room #2 (Rectorate Building)	Room #3 (Rectorate Building)	Room #4 (E24 Space)
Beach and dune morphodynamics 1 Chair: Mouncef Sedrati	Estuarine and coastal lagoons' 1 Chair: António Trigo-Teixeira	Hydrodynamics 1 Chair: Tori Tomiczek	Dynamic islands Chair: Hans Hanson
From fixed to transgressive coastal dunes, the conditions and timing of the transition along the Aquitaine coast, France Nicolae Lerma Alexandre	Insights into monitoring turbidity and nutrient dynamics in a large mesotidal estuary Anne-Fleur Mineke van Leeuwen	Dynamics of infragravity waves across the Southern reef barrier of Mayotte, Indian Ocean Xavier Bertin	Barrier islands facing sea level rise in the Northern Adriatic Sea Annelore Bezzi
Observations and modelling of coastal dune dynamics along the Gironde coast, France Olivier Burvingt	Infragravity wave propagation and transport in a small estuary Maricarmen Guerra Paris	Forced versus free analysis of infragravity waves across an offshore reef on the coast of Oregon Merrick Haller	Coral rubble mobility on an intertidal reef flat Huvadhu atoll, Maldives Aitana Gea Neuhaus
The dynamics of coastal dunes affected by shoreface nourishments and storm events Sierd de Vries	Time-averaged flow and turbulence structure over low-angle asymmetric estuarine dunes under reversing steady flows Kevin Bobiles	Process-based numerical modelling of total water levels, flooding and morphological changes during hurricane impact at Florida Panhandle beaches Joshua Joubert	Understanding the drivers of cay morphodynamic activity within the Great Barrier Reef, Australia Emily Lazarus
A full-size hybrid dune field experiment: design and first results Daan Poppema	The role of coastal estuaries and wetlands in the conservation of threatened amphibians in New South Wales, Australia Kate Tunstill	The role of sea-swell, infragravity waves, and dune geometry on runup excursion during dune collision Christine M. Baker	Attenuation of geomorphic capital along an ebb-dominant mixed-energy barrier island Patrick Barrineau
The influence of Oregon's coastal dunes on tsunami impact and inundation Carly Ringer	Initiation of motion for sand-mud bed types Paterno Miranda	Spatial clustering of sea level hydrographs across the Dutch coast Mia Pupic Vurilj	Large-scale modelling of hydro- and morphodynamics associated with reef platform and island systems Gerd Masselink
Can global datasets be used to predict storm-induced coastal erosion? Valeria Fanti	Continuous interannual monitoring of artificial and natural breachings of an intermittently open/closed estuary in central Chile Rodrigo Cienfuegos	On wave energy dissipation along a seagrass field Angels Fernandez-Mora	Using a unique 150-year geomorphological cycle in modern beach nourishment design Scott L. Douglass
13:00 – 14:30 Lunch Crasto Cafeteria Complex			

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14:30 – 16:00 Parallel Sessions			
Room #1 (Rectorate Building)	Room #2 (Rectorate Building)	Room #3 (Rectorate Building)	Room #4 (E24 Space)
Beach and dune morphodynamics 2 Chair: Gerd Masselink	Estuarine and coastal lagoons' 2 Chair: Rodrigo Cienfuegos	Hydrodynamics 2 Chair: Alexander Rey	Coastal wetlands 1 Chair: Erik Horstman
Beach-dune systems evolution under the combined effects of cross-shore and longshore sediment transport processes Ana Margarida Ferreira	Emergent sediment-sharing cells in a barrier island-lagoon system Stuart Grant Pearson	A hybrid methodology for efficient calibration of hydrodynamic models Beatriz Perez-Diaz	A paleoenvironmental reconstruction study in a river mouth, Southern Brazilian coastal region Marlon Carlos França
Decadal data set of hourly beach profile evolution in Duck, NC Katherine Brodie	Extreme flood dynamics: a modelling approach of the 2021 record-breaking flood of the Amazon Estuary Paul Coulet	Prototype-scale experimental and numerical investigation on wave attenuation through idealized mangrove forest Sungwon Shin	First observations of saltmarsh cliff erosion mechanics during extreme storm conditions in a full-scale wave flume Jos Muller
The effect of beach buildings on decadal dune development Sander Vos	Development of hybrid approaches for predicting and estimating salt wedge intrusion in estuaries Mirian Jiménez	Advancing compound coastal flood modelling on Southern O'Ahū, Hawai'i: a hybrid stochastic approach Alba Ricondo	Shoreline stabilization by coastal mangrove structures during extreme wave events Noelle Poovey
Decoding storm responses in geologically controlled coastal barriers using XBeach Vincent Kümmerer	Unravelling the response of the Guadiana ebb-tidal delta to extreme wave events Carlos Rubio González	Challenges in assessing longshore transport along the Gulf of Cadiz coast: insights from analysis of different wave sources Jacqueline Santos	Use of sub-pixel imagery classification to assess salt marsh plants' adaptation A. Rita Carrasco
Long-term pocket beach morphology at the Romanian coast - field measurements and 2D XBeach model validation Willem Bodde	Numerical analysis of sand bar flushing and river mouth terrace formation during floods due to differences in sand bar shapes Akira Sakaue	The influence of river discharge in the morphodynamics of Ropotamo Beach (Northwestern Black Sea, Bulgaria) under different scenarios Douglas Vieira da Silva	Adjusting the critical shields parameter within salt marshes based on vegetation-induced resuspension Thomas van Veelen
Simulating washover deposits: effect of the initial topobathymetry Nil Carrion Bertran	Alternatives for cost-effective shoaling reduction at navigation channels near inlets Michael B. Kabiling	Temporal evolution of wave overtopping of a hybrid dune-dike structure under extreme storm conditions Cem Sevindik	Salt marsh hydrodynamics to inform beneficial use of dredge material for coastal resilience Conrad Davis
16:00 – 16:30 Coffee-Break E24 Space			
Poster session #1			

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16:30 – 18:00 Parallel Sessions			
Room #1 (Rectorate Building)	Room #2 (Rectorate Building)	Room #3 (Rectorate Building)	Room #4 (E24 Space)
Beach and dune morphodynamics 3 Chair: Sierd de Vries Coastal impact and shoreline recovery from hurricane Irma (2017) on Barbuda island, Caribbean Derek Jackson Daily sediment transport and intertidal sandy beach response under calm to moderate waves Isaac Rodríguez-Padilla Beach morphodynamic time scales analysis at Hasaki beach, Japan Xinyu Chen ML prediction of equilibrium shoreline response of beaches protected by natural and human-made detached structures Arnau Garcia Tort Physics-informed machine learning for beach morphodynamics prediction Elizabeth Holzenthal Surf zone bathymetry from colour-based method calibrated with wave breaking via satellite imagery Salomé Frugier	Participatory research Chair: Agustin Sanchez-Arcilla Coastal citizen science: lessons learned from the Morbihan coastal citizen observatory in France Mouncef Sedrati Challenges in an integrated platform using digital twin and virtual reality for balancing safety, environment, and tourism: a case study of Bali, Indonesia Taro Arikawa Participatory elaboration of the development directive for the Nouakchott sandy dune bar Aurélie le Dissez Optimizing citizen science practices for effective coastline monitoring Elena Sánchez García Improving and expanding the sandsnap beach grain size database Brian C. McFall Risk communication by coastal geoscientists Ana Matias	Hydrodynamics 3 Chair: Caroline Hallin Evaluation of clustering techniques for revealing dependence between wind speed and surge height Paulina Kindermann Sensitivity of storm surge modeling to the representation of atmospheric forcing: the case study of Hurricane Irma Aline Zribi Numerical modelling of nearshore wave transformation and overtopping with weakly-dispersive wave models Guillaume Coulaud Exploring infragravity wave generation mechanisms through the vortex force formalism Hedi Midouni Jets, circulation cells, and meanders: what controls flow patterns in bar-channel systems? Melissa Moulton Analytical prediction of wave dissipation coefficient in vegetation Niels Gjøel Jacobsen	Coastal wetlands 2 Chair: A. Rita Carrasco Green, gray, or both? Mangroves, revetments, and hybrid systems to mitigate wave overtopping Tori Tomiczek Oyster reefs as a nature-based solution for coastal protection: an experimental study Md Salauddinsaid Enhancing resilience and biodiversity: adaptation measures in the Elbe estuary Johannes Pein Integrated salt marsh cliff erosion modelling: evaluating different approaches Sarah Dzimballa The sensitivity of the ebb dominance in tidal creeks of a microtidal mangrove forest Erik Horstman
18:30 – 20:30 Women in Coastal and Geosciences Engineering (WICGE) Presentation “Learn more about WICGE” Room #1 (Rectorate Building) Followed by a social hour in the Aveiro city centre			

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9th April 2025 (Wednesday)

08:00 – 18:00 | Registration Desk | Rectorate Building

09:00 – 10:30 Parallel Sessions			
Room #1 (Rectorate Building)	Room #2 (Rectorate Building)	Room #3 (Rectorate Building)	Room #4 (E24 Space)
Beach and dune morphodynamics 4 Chair: Francisco Sancho Wind and sediment transport pattern inside a small trough blowout during opposing wind conditions Camille René Optimizing aeolian transport modelling: a case study of foredune growth at Perranporth Gerd Masselink Measuring Interactions of surface elevation and vegetation dynamics on the Zandmotor dune landscape Romy Hulskamp Comparing process-based and reduced complexity dune evolution modelling: a case study of Long Beach, WA, USA Selwyn Swift Heminway Numerical and experimental investigation of the impact of beach deformation on wind-blown sand Kosuke Nobusawa Morphological development and evolution of Barchanoid dunes on the Cap Ferret coastal spit Clélia Billieres	Coastal management 1 Chair: Fernando Méndez Coastline evolution as a result of three decades of dynamic coastal preservation Niels van Kuik Regional application of coastal engineering resilience index Rusty Permenter Assessment of coastal erosion hazard in view of climate change: case study Camposoto beach, Spain Thet Oo Mon Storm impact assessment for Scotland's wave-dominated sedimentary coasts Nicola Horsburgh Bluemath-hub: a cloud-based, open-source, python framework with interactive notebooks for statistical analysis and simulation of coastal climate hazards in a changing climate Laura Cagigal	Hydrodynamics 4 Chair: Óscar Ferreira Fast modelling of wave-driven flooding for sandy and coral reef-lined coasts Tim Willem Bart Leijnse Wave-induced velocities in rigid suspended canopies Xinyi Zhang Bottom boundary layer dynamics above rough, vegetated beds Drude Fritzbøger Christensen Nearshore wave-induced current in the laboratory Paul Bayle Subtidal flow dynamics over sand deposits at the Fire Island Shelf, New York Said Parlak Model forcing with parametric versus realistic wave spectrum Stephanie Contardo	Emerging technology 1 Chair: Timothy Price Measuring storm waves and water levels from a fixed structure with a rapidly deployable oceanographic radar Jenna Brown Development of unmanned surface vessels for surf-zone bathymetric survey Peter Traykovski Assessment of surfzone bathymetry measurements from yellowfin ASV in a range of conditions and beaches Kara M. Koetjé X-Band and Doppler-radar observations of waves, currents and morphologies on a sandy beach at the Research Pier Hors Satoshi Takewaka Satellite-derived bathymetry for shallow waters, in regions of high optical complexity, using empirical methods and convolutional neural network Mario Luiz Mascagni
10:30 – 11:00 Coffee-Break E24 Space <p style="text-align: center;">Poster session #2</p>			

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11:00 – 12:30 Parallel Sessions			
Room #1 (Rectorate Building)	Room #2 (Rectorate Building)	Room #3 (Rectorate Building)	Room #4 (E24 Space)
Beach and dune morphodynamics 5 Chair: Magnus Larson	Coastal management 2 Chair: Laura Cagigal	Hydrodynamics 5 Chair: Tiago Abreu	Emerging technology 2 Chair: Merrick Haller
Decades of change: foredune morphodynamics at Woonona Beach, Southeast Australia Dylan McLaughlin Analysis of rip-channel formation at an idealized beach in the framework of coastal sediment connectivity Hassan Shafiei Identification of sediment distribution and pathways on an energetic, sediment-limited, embayed coast Wassim Seksaf Observations of multidecadal gravel beach dynamics from space Aikaterini (Kat) Konstantinou When dune erosion release remains: hidden shipwreck and fortification of the Atlantic wall revealed by UAV magnetic survey and georadar (Aquitaine Coast, France) Julie Billy Monitoring and modelling cross-shore processes: calibration for long-term simulations Frederico Santos Romão	Coastal risk assessment on Indonesia's outermost small islands Rima Gusriana Harahap Future projections of inundation risk in the three major bays in Japan considering society change Shion Yamamoto Assessing coastal hazards using multivariate statistical analysis: examples on two soft cliffs in Croatia and France Olivier Cohen Road-RAT - regional risk assessment tool for coastal roads in a changing climate Caroline Hallin Risk assessment for rocky cliffs: application to the coastal area of Lagoa, Southern Portugal Óscar Ferreira Beyond coastal hazards and physical susceptibility: a sustainable coastal vulnerability index (SCVI) for the County Cork Coastline, Ireland Emma Chalçon	Wave height estimation methods for non-breaking waves using video images Tochukwu Cyril Ngene Parallel computing using multi-block grids for hydrodynamic and transport simulation in coastal areas Phu V. Luong Verification of the SFINCS model applying GPS measured flood marks from the storm surge, Babet, in Southern Denmark Karl-Søren Geertsen Wave analysis in the Mexican Caribbean: spectral consistency and parameter optimization Cosette Knapp Guzmán Non-process based modelling of morphodynamical equilibrium in freshwater tidal channels Luis Manuel Lopez Zarate Probabilistic long-term and regional shoreline evolution using stochastic wave climate emulator for estimation of extreme shoreline changes Yan Ding	Surf-zone rip current measurements using robotic drifters Adam Collins Operational modeling of surfing transport for buoyant objects in opendrift Edwin Rainville A smartphone rip-detection tool to improve rip current awareness in Australia Mitchell Harley Spaceborne observations of the coastal zone Erwin Bergsma Mixed sand dynamics in a mixed energy environment Timothy Price Sediment bedforms and dynamics on the Southeast Australian shoreface-inner continental shelf Michael Kinsela
12:30 – 14:00 Lunch Crasto Cafeteria Complex			

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4. Technical sessions

14:00 – 15:30 Parallel Sessions			
Room #1 (Rectorate Building)	Room #2 (Rectorate Building)	Room #3 (Rectorate Building)	Room #4 (E24 Space)
Monitoring and modelling 1 Chair: Susana Costas Monitoring the mean high water shoreline along the meso-macrotidal Cap Ferret sand spit, SW France, using the satellite-derived wet/dry sand line Arthur Robinet Semi-automatic monitoring of beach morphodynamics using beachmeter and artificial intelligence with digital elevation models Patryk Sitkiewicz Assessing satellite-derived waterlines in macrotidal beaches with complex intertidal morphology Paula Gomes da Silva A new management tool to monitor salinity intrusion in the Guadiana estuary under average and extreme river discharge conditions Guillermo Martín Llanes Nearshore bathymetry and waves estimates from UAV video Paula Gurruchaga Machine learning-driven shoreline extraction and beach seagrass wrack detection from beach imaging systems Jesús Soriano-González	Coastal management 3 Chair: Ana Matias Maldivian Island typologies for coastal adaptation to future sea level rise Ahmed Aslam Waheed Topanga lagoon restoration – shoreline morphology Zhanxian Wang Assessing compound flooding hazards in estuaries by integrating a climate emulator and a hybrid metamodel Jared Ortiz-Angulo Cantos Decision-support tools for beach management in context of climate change Céline Trmal Optimizing climate change adaptation pathways: a probabilistic approach Pablo Alonso-Alguacil Advancing the use of spatial data in implementing adaptative management to support coastal resilience Karinna Nunez	Nature-based interventions 1 Chair: Kathelijne Wijnberg Sand nourishments: review of research and introduction of the SOURCE project Jebbe van der Werf Equilibrium pocket beach design by combining ShorelineS and XBeach Cas van Bemmelen Eco-morphodynamic dune response to beach nourishment along the northern Outer Banks coast, North Carolina, USA Elizabeth Davis Methodology for the design and implementation of nature-assisted beach recovery techniques Erica Pellón de Pablo Beach nourishment morphodynamics in a high-energy U.S. West Coast environment Anne de Beer Understanding and preserving the dynamic coast of Schouwen in the Dutch delta is a matter of scales Marian Lazar	Climate change effects 1 Chair: Patricio A. Catalan Parameterised barrier morphological evolution for future storm impact assessment Carlos Loureiro Nature-based solutions to mitigate coastal erosion: a modelling approach along the Mediterranean coast Ahmad IK Alkharoubi A methodology for seasonal and long-range forecasting of shoreline erosion hazards across Australia Katie Wilson Methodological approach to high-resolution future wave climate projections using a relocatable model "BinWaves" Gabriel Bellido Prieto The influence of climate change on compound coastal flooding in San Francisco bay: an application of a hybrid statistical-dynamical framework Peter Ruggiero Coastal risk mitigation in a nature-based solution framework: new Tuscan integrated approach in Horizon R4C Ludovica Sartini
15:30 – 16:00 Coffee-Break E24 Space <p style="text-align: center;">Poster session #2</p>			

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16:00 – 17:30 Parallel Sessions			
Room #1 (Rectorate Building)	Room #2 (Rectorate Building)	Room #3 (Rectorate Building)	Room #4 (E24 Space)
Monitoring and modelling 2 Chair: Paulo Silva	Coastal management 4 Chair: José A. A. Antolínez	Nature-based interventions 2 Chair: Jebbe van der Werf	Climate change effects 2 Chair: Peter Ruggiero
Wave, wind and sea level observations across an atoll barrier reef-lagoon system from wide swath radar altimetry Taina Postec	Overview of new advances in modeling sediment transport caused by tsunami waves Ernesto Guerrero Fernandez	Dredged sediment placement impacts to salt marsh channel metabolism John Supino	Monsoon/intermonsoon influence on spatio-temporal variability of seabed sediments along the urbanised coast of Singapore Stephen Chua
Morphodynamic thresholds for seagrass restoration Graziela Miot da Silva	Beach morphodynamic response to tropical storms using a spatial-temporal Surrogate model. Case study in Martinique Nico Valentini	How development of recreation, embryo dune habitat and flood safety interact at evolving nature-based sandy interventions Kathelijne Wijnberg	Waves of sand: erosion and accretion across multiple coastal cells Patricio A. Catalan
Headland sand bypassing in New South Wales – classification of headland morphology Elise Jane Buller	Probabilistic analysis of coastal levee erosion using excess loading in a response-based framework Abigail L. Stehno	Testing a coupled shoreline and beach-dune model for a Predictive Digital Twin of a hybrid dune-dike system Filipe Galiforni Silva	Climate-driven waterline variability along the North American West Coast Marcan Graffin
Effectiveness of local to global topographic datasets on simulating coastal hydrodynamics: a case study in the Wash, UK Syed Shamsil Arefin	Numerical modeling of tsunami caused by submarine landslide using FDM-MPM coupled analysis Yota Enomoto	Prediction of alongshore transport of cobbles on open-coast composite beaches and dynamic cobble berm revetments Hailey Bond	Assessing the role of ports on coastal evolution through a coupled erosion-flood modelling methodology Moisés Álvarez Cuesta
Evaluation of closure depth along the Portuguese coast Celso Aleixo Pinto	Simple physics-based rip current and shore-break wave hazard predictors for beaches in Southwest France Bruno Castelle	Large-scale beneficial use of dredge materials at the Fehmarnbelt project: emerging landscapes and new habitats Sanne Lina Niemann	Modelling shoreline dynamics in complex macrotidal environments using neural networks Nadia Senechal
Uncovering causation of short-term sandy beach surface dynamics measured by permanent laser scanning Daan Cornelis Hulskemper	The role of machine learning, incorporating wind data, to predict coastal wave overtopping Michael McGlade	Integrated coastal resilience: advanced modelling and nature-based solutions Vicente Gracia	Predicting shoreline orientation on diverse coastal environments Abdulsalam Mayowa Basit
19:00 – 22:00 Young Professionals – Barbecue Students House			

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10th April 2025 (Thursday)

08:00 – 18:00 | Registration Desk | Rectorate Building

09:00 – 10:30 | Parallel Sessions

Room #1 (Rectorate Building)	Room #2 (Rectorate Building)	Room #3 (Rectorate Building)	Room #4 (E24 Space)
Monitoring and modelling 3 Chair: Arjen Luijendijk	Shoreline evolution modelling 1 Chair: Camilo Jaramillo Cardona	Coral and nature-based reefs 1 Chair: Andrew Pomeroy	Sediment dynamics Chair: Celso Aleixo Pinto
Monitoring and modelling flooding events for adaptation and resiliency at the U.S. Naval Academy Tori Tomiczek	Coastal protection solutions in a highly energetic wave climate and beach erosion environment: the Furadouro case (Portugal) Francisco Sancho	Wave scattering and energy reduction by a patch of idealized coral-growing units Ayrton Medina	Numerical modelling for scour near cofferdams using Eulerian two-phase flow model Nishchay Tiwari
Nearshore circulation dynamics revealed by combining optical observations with numerical modelling Ryan Mulligan	Probabilistic forecasting of shoreline evolution: a case study using genetic algorithms Lucas de Freitas Pereira	Measurements of wave runup on an atoll island using LIDAR Samuel Thomas Rose	Simulating particle erosion and deposition in a Lagrangian sand transport model Natascia Pannoazzo
Coupling satellite-derived coastal change metrics with data-driven modelling for near-future predictions Freya Muir	Wave input-reduction for shoreline modelling of a high-energy environment with complex geological settings Ivana Maitén Mingo	Coral forereef spurs and grooves facilitate lagoon outflow in platform reef environments Lachlan Arthur Perris	Modeling sediment transport characteristics of bores propagating through emergent vegetation Bobby Minola Ginting
Evaluating the impact of installation of coastal structure on sediment transport Honghai Li	ShoreShop 2.0: blind testing of shoreline models Yongjing Mao	Runup modelling in low-data coral reef environments: implications for nesting sea turtles Daniel Dédina	Wave-induced suspended sediment concentrations: insights from full-scale flume experiments Tiago A. Martins de Azevedo Abreu
Swash hydrodynamic from non-hydrostatic modelling and multi sensor observations Harold Cristian Diaz Macias	Assessment of shoreline development with the ShorelineS model, Tomis South case study, Romania Loukianos Eleftherios Panagopoulos	Morphodynamics and mobility of coral rubble tracts: Huvadhu atoll, Maldives Tim Scott	Understanding shoreface sediment pathways using a Lagrangian framework Soraia Romão
Simulating storm impacts on the Southwest Florida coast following hurricane Ian Christopher Daly	Equilibrium-based shoreline modelling of sea level changes Marissa L. Yates	The role of coral rubble on modern coral reefs Ana Vila-Concejo	Sediment mobilization and transport by vessel-induced hydrodynamics Jens Figlus

10:30 – 11:00 | Coffee-Break | E24 Space

Poster session #3

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4. Technical sessions

11:00 – 12:30 Parallel Sessions			
Room #1 (Rectorate Building)	Room #2 (Rectorate Building)	Room #3 (Rectorate Building)	
Monitoring and modelling 4 Chair: Paulo Baptista	Shoreline evolution modelling 2 Chair: Marissa Yates	Coral and nature-based reefs 2 Chair: Xavier Bertin	
Sensing short-term adaptive cycles in mesotidal energetic beaches from satellite imagery Susana Costas Coastal dynamics in Black Sea observed from optical and SAR satellite images Dalin Jiang Regional assessment using public webcams of the role of post-storm recovery in the seasonal variability of beach width Yann Balouin Field measurements of seagrass coastal protection services in a fetch-limited, non-tidal sea Björn Almström Rocky coastlines: a new method for characterizing coastal boulder deposits using iPhone and open-source software Hannah R. Spero A global view on 40-years of shoreline dynamics Arjen Luijendijk	Influence of forcing wave timeseries on equilibrium shoreline modelling Stéphane Bertin Non-stationary model free parameter in equilibrium shoreline change modelling Georgios Azorakos A model of shoreline retreat due to sea level rise Magnus Larson Unravelling equilibrium shoreline response to waves and sea-level rise: numerical modelling of laboratory experiments Maurizio D'Anna Shoreline evolution tools (IH-SET) Camilo Jaramillo Cardona Testing different methodologies for wave data imputation on decadal morphodynamic modelling Francesca Ribas	Large scale experiments on the effect of artificial reef restoration on wave-driven flooding Marion Tissier Tidal modulation of topographic eddies drives marine megafauna aggregations Harvey Cairns A modelling-based analysis of extreme wave setup in a fringing coral reef Axelle Gaffet Frictional dissipation of incident waves over a spatially-varying rough barrier reef in Mayotte, Indian Ocean Mila Geindre Phase-resolved modelling of surf zone wave transformation over idealized rough bottoms Emile Guélard Ancilotti	
12:30 – 14:00 Lunch Crasto Cafeteria Complex			

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14:00 – 15:30 Parallel Sessions			
Room #1 (Rectorate Building)	Room #2 (Rectorate Building)	Room #3 (Rectorate Building)	
Monitoring and modelling 5 Chair: Bruno Castelle Beyond the bathtub: assessment of broad-scale coastal inundation models with flood attenuation Ulysse Pasquier Morphodynamics of sand ridges on the shelf: modelling effects of waves, wind and tide Abdel Nnafie Hydrodynamics and morphology on composite beaches Chris Blenkinsopp 3D wave-averaged hydro-morphodynamic modeling of sandbar migration during the DUCK94 experiment with CROCO Adrien N. Klotz Microplastic pathways in the Arctic: integrating the TELEMAC-3D hydrodynamic model with advanced ray tracing particle tracking Alexander Rey Beach ridges and sea level – a partial critique Patrick A. Hesp	Restoring river-coast dynamics Chair: Carlos Loureiro Modelling river-lagoon-sea continuum and reconnection solutions in the Danube delta Christian Ferrarin Calculation of sediment transport around mangrove forest using three-dimensional numerical calculation Hinano Ohara A framework for the design of coastal dunes as a nature-based solution Christa van IJzendoorn A 21 st century projection of sediment management as nature-based solution in the Ems estuary Richard Marijnissen River flow management as a tool to mitigate salt intrusion and enhance estuarine sediment transfer. The Ebro river case (NW Mediterranean Sea) Manel Grifoll Blue transitions in the Black Sea: multi-actor forums to advance a sustainable blue economy Lydia Papadaki	Coral and nature-based reefs 3 Chair: Ana Vila Concejo Shallow reef-lagoon exchange flow on a coral atoll Mathilde Lindhart A comparative hydrodynamic characterization of the flow through regular and stochastically generated synthetic coral reefs over flat topography Akshay Patil Quantifying coral reef flat accretion rates using photogrammetry Emma Ryan Observations of wave setup on a coral atoll Ashley Holsclaw Field observations of island's hydrodynamics: insights from Lakshadweep Island, India Rajith Kenoth	
15:30 – 16:00 Coffee-Break E24 Space <p style="text-align: center;">Poster session #3</p>			

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4. Technical sessions

Keynote lecture sponsored by Teixeira Duarte	
16:00 – 17:00 Keynote Speaker #2 Room #1 (Rectorate Building) Chair: Sierd de Vries	Linking beach morphodynamics and coastal resilience Alec Torres-Freyermuth
17:00 – 17:30 Coastal Award 2025 Room #1 (Rectorate Building) Chair: Caroline Hallin	Life and lessons from the beach front Andrew Short
17:30 – 18:00 Closing Ceremony Room #1 (Rectorate Building)	Best Student Paper Award LOC final acknowledgments and conference summary Next Coastal Sediments announcement
20:00 – 24:00 Conference Dinner Casa de Abis	



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Poster session #1 (Tuesday, 8 th April 2025)	Poster session #2 (Wednesday, 9 th April 2025)	Poster session #3 (Thursday, 10 th April 2025)
Beach and dune morphodynamics	Hydrodynamics	Monitoring and modelling
A multi-tool approach, including citizen-science, to study beach and dune morphodynamics in Co. Cork, Ireland Melanie Biausque	Enhancing storm surge response through a novel tropical cyclone decision support system Gaëlle Faivre	Observing spatio-temporal beach sediment composition using remote imagery and deep learning Evan B. Goldstein
Investigating submarine sand dunes morphodynamics with a 3D process-based modelling system Marc Pezerat	Analysis of hydrodynamic processes that caused extreme sea levels in Guadeloupe during hurricane Maria (2017) Lola Ormieres	The extratropical cyclone Babet's impact on the Swedish Southern coast Johan Nyberg
Wave storminess and shoreline response in microtidal beaches Francisco Fabián Criado Sudau	Wave transformation on various coral reefs covers. the small MPA Islands Ibnu Faizal	Machine learning identification of pollutants and other debris in Canadian waterways Carolin Leluschko
Analysis of intensification and mitigation of erosion due to sea level rise according to shoreline feature type Kim Hyeong Jun	Hindcasting flooding and erosion risk using a hybrid metamodel that considers topobathymetric changes Manuel Zornoza-Aguado	Dune plant identification from very high-resolution satellite imagery using random forests Katerina Kombiadou
Spatial and temporal variations in sediment grain size in response to extreme hydrodynamic forcing on a mixed sand-gravel beach Tom Hamilton	Coastal management	Precision dune monitoring: using AI, satellite imagery and LIDAR, for biodiversity and coastal protection Mattijn van Hoek
Morphodynamics of multiple intertidal barred (MITB) systems during extreme event (storm Barra) Emilia Guisado-Pintado	Identifying key beach and shoreface processes for flood risk assessment of hybrid coastal flood defences Robert McCall	Beach erosion associated to tropical storms in Martinique (Lesser Antilles): a first step towards the initialization of a storm-monitoring network Clément Bouvier
Species-by-species pattern analysis of coastal dune volume vegetation Davide Demichele	Numerical model assessment of temporary mobile shore protection modules on an erosional transgressive coast Gary A. Zarillo	Assessing the impacts of acute events on an eroding barrier island utilising UAV photogrammetry Elysia Andrews
Dune retreat of 10 m per year due to eigenfrequency of various coastal processes Per Sørensen	Assessing dune development potential for coastal resilience Carla Garcia-Lozano	Shoreline evolution modelling
Wave dissipation by a mangrove-inspired reef in Southeast France Alexis Beudin	Application of a national coastal change and risk dataset for local decision making Megan Tuck	GLOBCOASTS: modeling climate-induced interannual shoreline changes worldwide Amélie Arias
Dynamic islands	1D XBeach forecasting of storm impacts along U.S. East and Atlantic coast: 2024 hurricane season Jessica Gorski	Can spatially rich model-calibration data compensate for low sampling frequency? Emily Hunt
Groundwater lenses respond to a variable reef flat plate on an atoll island: geophysical approach Nidia Tobon Velazquez	Grouping beaches by beach asymetry using UMAP and hierarchical clustering Hyoseob Noh	Predicting coastal evolution in the Bight of Benin, Gulf of Guinea (West Africa) Dimitri Andreas Vlahopoulos

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Decadal recovery of anthropogenically modified outwash channels: Follet's Island, TX, USA Manica Nawaz	Model-supported assessment of navigational conditions and mitigation measures at ebb shoal, Höfn, Iceland Niils Droenen	Chenier dynamics and their impact on shoreline evolution Silke Tas
Shoreline dynamics of a tropical island: analyzing the impacts of cyclones on coral reefs coasts Thibault Laigre	Nature-based interventions	Automated national erosion line mapping of the Danish coasts Nikolai Heath Nohns Sørensen
Coastal wetlands	Long term modelling of coastal protection measures on the Belgian coast Hilario Castro Lara	Coral and nature-based reefs
Influences of vegetation dynamics and morphological change on water age and connectivity in river delta systems Madoche Jean Louis	Metrics to evaluate the efficacy of sediment addition in tidal marshes Julie Paprocki	Investigation of favourable environmental factors for coral habitat conditions based on continuous field survey at artificial reef Tomohiro Yasuda
Estuarine and coastal lagoons'	Exploring the decadal feeding potential of mega nourishments under accelerated sea level rise Tosca Thalia Kettler	Nearshore circulation on a reef platform along a highly convex atoll rim Floortje Roelvink
Morphological evolution of a coastal salt marsh/mudflat characterized from different remote sensing methods Loès le Goff le Gourrierec	Climate change effects	Participatory research
Anthropogenic influence on a saltwater intrusion in the Po river delta: a study of the 2022 drought Alejandro Paladio Hernandez	Climate variability driven shoreline changes along the Mediterranean and Black Sea coasts Florin Tatui	Mapping stakeholder stewardship in managing mangrove ecosystems along the Southern Bali coast Syarifah Aini Dalimunthe
Recent dynamics of the mouth bar in Ebro river (NW Mediterranean Sea) Benjamí Calvillo Melero	Analysis of future wave overtopping risk in Southwest England Matea Zupicic	Developing of terrain observation technology for citizen participation in the new technology era Liu Jinzuo
	Restoring river-coast dynamics	Approaches to community-engaged research on flooding from sea level rise in under-resourced communities Katherine Anarde
	Unraveling the effects of coastal restoration on carbon sequestration potential of Mediterranean coastal wetlands under climate change Judith Lorenzo	
	Assessing the role of seagrass biogeomorphic landscapes and seagrass canopy on hydrodynamics in tropical environments Deborah Fernandes	

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11th April 2025 (Friday)

08:45 – 18:15 | Technical visit 1: Aveiro coastal stretch, from Esmoriz to Furadouro, and Aveiro Harbour

This technical visit offers a view of the Portuguese coastal stretch Esmoriz – Furadouro, where participants will have the opportunity to visit several sandy beaches and get an overview of the coastal interventions carried out over time, to stabilize and mitigate the shoreline retreat, that reached, in some areas, about 300 m in the past 60 years. The tour also includes a visit to the Aveiro Harbour, whose jetties fix the entrance to the Aveiro lagoon. Before the return to the University of Aveiro, a quick sightseeing of touristic points, such as Barra lighthouse and the typical houses of Costa Nova Beach, will be taken.

08:30 – 19:00 | Technical visit 2: Figueira da Foz coastal stretch and harbour

This technical visit provides an overview of the Figueira da Foz coastal region, where participants will have the opportunity to visit several beaches and observe the interventions undertaken over time to stabilize the shoreline and mitigate the retreat affecting the beaches located at south of Figueira da Foz Harbour. These interventions include groins, longitudinal revetments, artificial nourishments, and dune reinforcement using geotubes. The tour also includes a visit to Figueira da Foz Harbour. During the return, a stop at the Serra da Boa Viagem offer stunning views of the cliffs near Cabo Mondego.

09:30 – 15:15 | Technical visit 3: Aveiro lagoon and São Jacinto dunes reserve

This technical visit provides a nice walk along the Dunes of São Jacinto, between the Lagoon and the Ocean, where a local guide will tell the story about the genesis of the lagoon and the sand spit. After the visit, the return trip to the city center will be on board of a boat, allowing to see part of the lagoon and the channels of the city of Aveiro, also known as the Venice of Portugal. The lunch will be provided while on board.



- Legend:**
- ◇ University of Aveiro
 - ◆ Technical Visit 1
 - ◆ Technical Visit 2
 - ◆ Technical Visit 3

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6.1. Technical visit #1: Aveiro coastal stretch, from Esmoriz to Furadouro, and Aveiro Harbour

08:45 Meeting at the University of Aveiro

Rectorate Building.

09:00 Departure from the University of Aveiro

Distance to Esmoriz is about 50km.

10:00 Esmoriz Beach

Arrival at Paradoxo Bar (optional time for a coffee at the bar)

View of the rocky revetment with the crown of the structure above the road level;

Optional walk to Cortegaça Beach (about 2.1km), along the revetment (or by bus) each is about 50km.

11:00 Cortegaça Beach

View of the berm rocky revetment and the artificial cape formed by the structure;

View of the camping installations to be relocated due to frequent wave attacks.

11:30 São Pedro de Maceda Beach

Distance from Cortegaça is about 5km;

Area with shoreline retreat rates of about 10m/year;

View the erosional cliffs at the beach.

12:00 Furadouro

Distance from Maceda is about 8km

Arrival to the northern limit of Furadouro beach, to have lunch (packed lunch);

Free time to explore the beach, dunes, coastal works and esplanades of Furadouro.

14:30 Departure to Aveiro Harbour Administration

Distance from Furadouro is about 50km;

The first 10km of the trip is along the sand spit, between the sea and the Aveiro lagoon, crossing the Varela bridge, over the lagoon.

15:30 Aveiro Harbour Administration

30 minutes of presentation of the Port of Aveiro, including the description of actions to mitigate coastal erosion, followed by a bus visit to the facilities.

17:00 Pilots house

View of the inlet and the coast to the South.

17:30 Sightseeing return to the University of Aveiro

About 20km distance, with opportunity to take a view of Barra lighthouse, Costa Nova beach and Costa Nova typical houses in front of the lagoon (quick stop for photos).

18:15 Expected arrival at the University of Aveiro



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6.2. Technical visit #2: Figueira da Foz coastal stretch and harbour

08:30 Meeting at the University of Aveiro

Rectorate Building.

08:45 Departure from the University of Aveiro

Distance to Costa Gala Beach is about 70km.

10:00 Cova Gala beach

Visit to the undergoing coastal interventions at the Cova Gala beach, including the existing groin field, geotubes, dune protection the place where it is foreseen (May 2025 - October 2025) a 3.3 Mm³ artificial nourishment intervention carried out by the Portuguese Environment Agency. A by-passing system, from the updrift of the harbour jetty is also under evaluation.

12:00 Departure to Praia da Claridade

Located at Figueira da Foz, this beach is about 10km far from the southern beaches of Cova Gala.

12:45 Praia da Claridade (Figueira da Foz)

Free time for lunch (packed lunch) and walks around the long extension of the beach.

15:00 Departure to Figueira da Foz Harbour

Distance from Figueira da Foz beach is about 6km.

15:30 Figueira da Foz Harbour Administration

30 minutes of presentation of the Port of Figueira da Foz and a bus visit to the commercial terminal/quay of the port.

17:15 Serra da Boa Viagem

15 minutes stop in each of the viewpoints of Miradouro da Bandeira and Cabo Mondego;

“Miradouro da Bandeira” is at the top of the northern slope of the Boa Viagem mountain and has a view that follows the white line of the beach. 250 meters above sea level, the viewpoint was used as a piracy watch post. A signal with a flag gave name to this place;

At the bottom of Serra da Boa Viagem, next to the sea, there is the Cabo Mondego lighthouse and viewpoint. The view is completely different, facing the sea and, to the south, the view reaches Buarcos, Figueira and the mouth of the Mondego river.

19:00 Expected arrival at the University of Aveiro



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6.3. Technical visit #3: Aveiro lagoon and São Jacinto dunes reserve

09:30 Meeting at the University of Aveiro

Rectorate Building.

09:45 Departure from the University of Aveiro

Distance to São Jacinto Dunes Reserve is about 55km.

The last part of the trip is along the sand spit, between the sea and the Aveiro lagoon, after crossing the Varela bridge, over the lagoon.

10:45 São Jacinto Dunes Nature Reserve

2:30 hours guided visit, between the interpretative center and the pier Casa Abrigo.

Classified as a Nature Reserve since 1979, Dunas de São Jacinto Nature Reserve is on "ria de Aveiro", in a thin sandy peninsula separating the salt water from the brackish water to which the Vouga River gives a "sweeter" taste.

The well-maintained coastal sand dune system extends over the Atlantic seashore and is stabilized by spontaneous vegetation.

An extensive walkway, running between estuary waters and the beach allows you to discover the beauty of a small land strip once part of the ocean.

13:15 Boat trip

2 hours boat trip in the Aveiro lagoon from São Jacinto to Aveiro city center, including lunch on board (packed lunch).

15:15 Expected arrival at Aveiro city center



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Keynote #1 | Bregje van Wesenbeeck

Scientific Director of Deltares and a Senior Expert in Nature-based Solutions



Including nature and natural dynamics into management of coastal zones

Bregje van Wesenbeeck is the scientific director of Deltares and a senior expert in nature-based solutions. She also is an associate professor at the Delft University of Technology in nature-based solutions for climate change adaptation and disaster risk reduction with a focus on salt marshes and mangroves. In her research she bridges between nature and engineering by investigating the effects of vegetation on wave attenuation under extreme conditions and the effects of hydraulic forces on vegetation failure. She also investigates long-term resilience of coastal ecosystems to sea level rise. At Deltares she has been working in inclusion of nature in coastal management.

Keynote #2 | Alec Torres-Freyermuth

Associate Professor in the Engineering Institute National Autonomous University of Mexico



Linking beach morphodynamics and coastal resilience

Alec Torres-Freyermuth is a Researcher in the Engineering Institute at the National Autonomous University of Mexico (UNAM), Mexico. He obtained his Ph.D. from the University of Cantabria (Spain) and his MSc in Ocean Engineering from the Florida Institute of Technology (USA). He was a postdoc researcher at the University of Florida (USA) and the University of Delaware (USA). His research interest is related to the study of surf and swash zone hydrodynamics, wave runup, beach morphodynamics, wave-structure interaction, and coastal resilience. He conducts his research at the Coastal Processes and Engineering Laboratory (LIPC) and the National Coastal Resilience Laboratory (LANRESC) in Sisal, Yucatan (Mexico).

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Andrew Short

Andrew Short is a coastal scientist specializing in beach morphodynamics and coastal processes and evolution. He has degrees from the University of Sydney where his Honours degree was on the geomorphology of an embayed beach, University of Hawaii where he did his Masters on seasonal beach sand transport reversals, and Louisiana State University where he did his PhD (Marine Science) on coastal processes along the entire north coast of Alaska.

He has also worked on the coasts of the USA, Brazil, Ireland, the Netherlands, New Zealand, Korea and the entire Australian coast. In collaboration with Surf Lifesaving Australia he used his knowledge of surf zone processes to develop the Australian Beach Safety Program. He has written and edited 16 books and over 200 scientific publications. In 2010 for his contribution to Australian coastal science and beach safety he was awarded an Order of Australia Medal. Though now retired he is presently Honorary Professor in the School of Geosciences at the University of Sydney and remains active in research and publication. His most recent projects include the evolution of the massive clifftop dune systems that cap most of the cliffs along the 2000 km long Great Australian Bight, and the dynamics of the rock cliffs, platforms and inner shelf along the southeast Australian coast.



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Coffee-breaks (E24 Space)

3 minutes walking distance, from the Rectorate Building.
Tea, coffee, water and juice, bread, cookies, fruit, etc.

Lunches (Crasto Cafeteria Complex)

15 minutes walking distance, from the Rectorate Building.
Buffet with a variety of starters and salads, soup, fish, meat, vegetarian and dessert.

Welcome Reception (Rectorate Building) | 07/04/2025 – 18:00-20:00

Typical Portuguese food will be served, represented by a couple of brotherhoods.
Tuna Universitária de Aveiro – students playing songs, in their traditional costumes.

Opening Ceremony (Rectorate Building – Room #1)

After the Opening ceremony and before the Keynote #1, some *Fado* will be performed.
Fado is a Portuguese traditional form of music, infused with a sense of fate.

Women in Coastal and Geosciences Engineering (WICGE)

After a brief WICGE presentation at Room #1 of the Rectorate Building, the participants will walk together to the city centre, to socialize, at the Fish Market Square.

Youngs Professional Barbecue (Students House) | 09/04/2025 – 19:00-22:00

Roasted meat and green broth (*caldo verde*) will be served, in a completely informal atmosphere.
Drinks will be paid by the participants.

Conference Dinner – Casa de Abis | 10/04/2025 – 20:00-24:00

The participants will be transported by bus, departing in front of the Rectorate Building (15 minutes), and the venue offers “an elegant and captivating space, that will make your dinner unforgettable”.



Coffee-breaks



Lunches



Tuna Universitária



Fado



Barbecue



Casa de Abis

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10. Conference venue maps

MAP OF SANTIAGO UNIVERSITY CAMPUS

[Open in Google Maps](#)

1 - Rectorate Building

Coordinates:
40.63142571055358,
-8.657456669109402



2 - UNAVE Building

Coordinates:
40.636201321884535,
-8.657722987527684



3 - E24 Space

Coordinates:
40.63136047033053,
-8.658878963854436



4 - Pedestrian Bridge

Coordinates:
40.62738974068579,
-8.656856902871212



5 - Crasto Cafeteria Complex

Coordinates:
40.62461846289275,
-8.65662087403553



6 - Students House

Coordinates:
40.62376889093238,
-8.657595771707848



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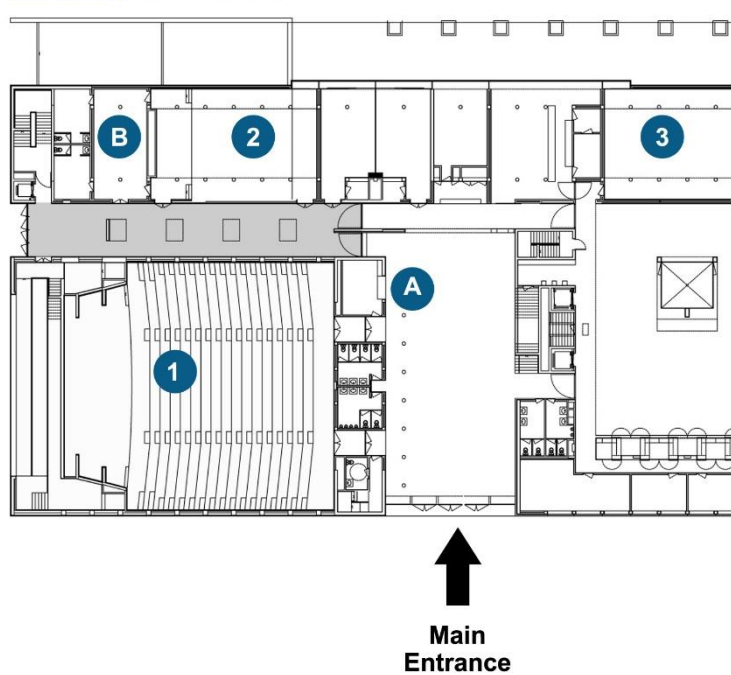


10. Conference venue maps

Rectorate Building



Coordinates:
40.63142571055358,
-8.657456669109402



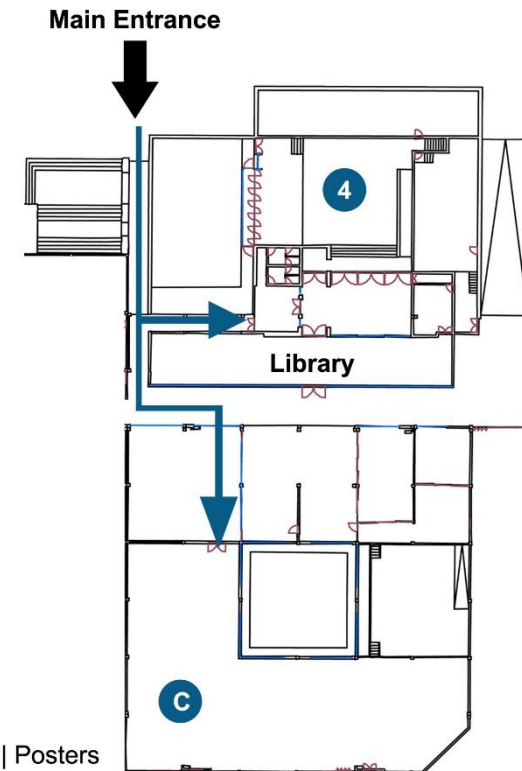
- 1 - Room #1 - Renato Araújo Auditorium
- 2 - Room #2 - Academic Act Room
- 3 - Room #3 - Senate Room
- 4 - Room #4 - Mestre Heldér Castanheira Auditorium

- A - Registration Desk
- B - Helpdesk
- C - E24 Space | Coffe breaks | Posters

E24 Space



Coordinates:
40.63136047033053,
-8.658878963854436



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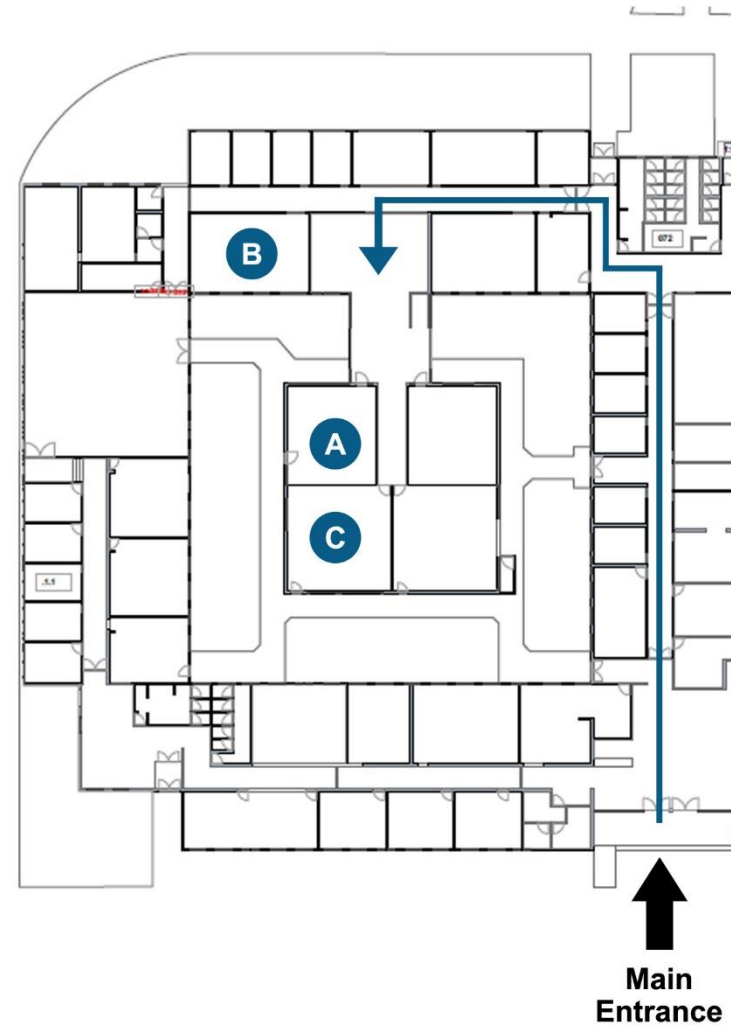
10. Conference venue maps

UNAVE Building



Coordinates:
40.636201321884535,
-8.657722987527684

- Room A - Short Course #1
- Room B - Short Course #2
- Room C - Short Course #3



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