

Poster Programme

Poster Session I

Sunday, 4 September 2016; 18:00-20:30

Monday, 5 September 2016; 14:00-15:00

[P1.001]	The effect of sea level fluctuations on morphology of Southern Caspian sea coast using remote sensing P. Alemi Safaval ¹ , S.A. Neshaei ^{*2} , M. Kheirkhah Zarkesh ¹ , ¹ Islamic Azad University, Science and Research Branch, Iran, ² University of Guilan, Iran
[P1.002]	Changes in Darwin Harbour due to infrastructure developments, Northern Territory, Australia D.K. Williams, Australian Institute of Marine Science, Australia
[P1.003]	A study on clastic minerals distribution in Guangxi coastal zone, China F. Wang ^{*1} , B.F. Jin ² , ¹ Third Institute Of Oceanography; State Oceanic Administration, China, ² LuDong University, China
[P1.004]	Shoreline changes in the Keta Municipal District (Ghana): Evidence from multi-decadal records A. Serwa ^{*1} , T. Mann ¹ , A. Rovere ^{1,2} , E. Casella ¹ , K. Appenaing Addo ³ , P.N. Jayson-Quashigah ³ , T. Mensah-Senoo ³ , B. Lassale ¹ , H. Westphal ^{1,4} , ¹ Leibniz Center for Tropical Marine Ecology, Germany, ² Center for Marine Environmental Sciences (MARUM), Germany, ³ University of Ghana, Ghana, ⁴ University of Bremen, Germany
[P1.005]	Physial characterization of the Guadiana Esturay using a 3D hydrodynamic model mohid M.C. Calero Quesada ^{*1} , J. Delgado Cabello ¹ , J. Moreno-Navas ¹ , J. García-Lafuente ¹ , F. Martins ² , E. Garel ² , ¹ University of Malaga, Spain, ² University of Algarve, Portugal
[P1.006]	Effect of nourishment on mid-term shoreline evolution and on beach sediments along a urbanized beach (Poetto beach, western Mediterranean Sea) W. Brambilla ^{*1} , S. Simeone ² , A. Ibba ¹ , D. Vargiu ¹ , S. DeMuro ¹ , ¹ University of Cagliari, Italy, ² IAMC CNR, Oristano, Italy
[P1.007]	Consistency of measurements of total suspended matter concentrations in an integrated coastal ocean observing system G. Flöser [*] , H. Krasemann, R. Riethmüller, R. Röttgers, Helmholtz-Zentrum Geesthacht, Centre for Materials and Coastal Research, Germany
[P1.008]	Trapping effect of estuarine turbidity maximum on particulate organic carbon during a typhoon event A.J. Wang ^{*1} , X. Ye ¹ , P. Cheng ² , ¹ Third Institute of Oceanography, State Oceanic Administration, China, ² Xiamen University, China
[P1.009]	Hyperspectral analysis of a harmful algal bloom in the Yucatan platform R. Aguirre-Gomez, Universidad Nacional Autónoma de Mexico, Mexico
[P1.010]	Size matters in meta-ecosystems J.R. Hillman ^{*1} , C.J. Lundquist ^{1,2} , S.F. Thrush ¹ , ¹ University of Auckland, New Zealand, ² National Institute of Water and Atmosphere Research, New Zealand
[P1.011]	Soil surface elevation change following anthropogenic disturbance: Case study of mangroves in abandoned ponds and high sedimentation coast F. Sidik ^{*1,3} , H.P. Kadarisman ² , N. Widagti ¹ , C.E. Lovelock ³ , ¹ Ministry of Marine Affairs and Fisheries, Indonesia, ² Conservation International, Indonesia, ³ University of Queensland, Australia
[P1.012]	Characterization of the available underwater light for phyto-benthos communities in the tidal inlet of the East Frisian Wadden Sea, North Sea J. Ezekiel [*] , T. H. Badewien, M. Striebel, O. Zielinski, University of Oldenburg, Germany
[P1.013]	Sources and distribution of size-fractionated Glycerol dialkyl glycerol tetraethers (GDGTs) in surface sediments of the Changjiang estuary and adjacent shelf J-P. Wang ^{*1,2} , P. Yao ¹ , T.S. Bianchi ³ , L. Qiu ¹ , B. Zhao ¹ , Z-G. Yu ¹ , K-U. Hinrichs ² , ¹ Ocean University of China, China, ² University of Bremen, Germany, ³ University of Florida, USA
[P1.014]	Remote sensing of suspended particulate matter concentration, inter-comparison with surface buoy and tripod lander data M. Baeye [*] , F. Francken, M. Fettweis, Royal Belgian Institute of Natural Sciences, Dir. Natural Environment, Belgium
[P1.015]	Acoustic particle properties and impact on estuarine sediment flux measured by ADCPs M. Becker ^{*1} , C. Maushake ^{1,2} , C. Winter ¹ , ¹ University of Bremen, Germany, ² Federal Waterways Engineering and Research Institute, Germany
[P1.016]	Mangrove roots dynamics in fringe, basin and inland forests in a karstic oceanic island of the Caribbean

	J.H. Medina ¹ , J.E. Mancera* ¹ , ¹ Universidad Nacional de Colombia, Sede Caribe, Colombia, ² Universidad Nacional de Colombia, Sede Bogotá, Colombia
[P1.017]	Submarine groundwater discharge: Combining offshore autonomous monitoring with onshore groundwater modeling and monitoring in the Salalah coastal plain, Oman H. Al Balushi ² , T. Muller ¹ , J. Friesen ² , P. Leibold ² , M. Schmidt ² , W. Brückmann* ² , ¹ Helmholtz Centre for Environmental Research - UFZ, Germany, ² GEOMAR Helmholtz Centre for Ocean Science Kiel, Germany
[P1.018]	Non-acoustic approach to turbulence measurements in highly concentrated estuarine waters M. Becker* ¹ , J. Hancyk ² , A. Sottolichio ³ , L. Ross ³ , R. Verney ⁴ , H. Michallet ⁵ , ¹ Marum - Center for Marine Environmental Sciences, Germany, ² Rockland Scientific Inc., Canada, ³ University of Bordeaux, France, ⁴ Ifremer, Brest, France, ⁵ LEGI, Grenoble, France
[P1.019]	The spatial variability of organic matter at the marsh scale F. Yousefi Lalimi* ¹ , M. Marani ^{1,2} , S. Silvestri ¹ , ¹ Duke University, USA, ² Padova University, Italy
[P1.021]	An overview of ecogeomorphological feedbacks in estuarine systems M. Toffolon* ¹ , A. D'Alpaos ¹ , ¹ University of Trento, Italy, ² University of Padova, Italy
[P1.022]	Laser scanning techniques to characterise saltmarsh topography and vegetation canopy structure J.A. Tempest*, I. Möller, T. Spencer, <i>University of Cambridge, UK</i>
[P1.023]	Weakened feedbacks on a coral reef under frequent disturbance contributes to stepwise degradation of resilience R.S. McAndrews* ^{1,2} , D.W. Schmid ^{2,3} , J. Allas ² , P. Smallhorn-West ² , S.E. Gordon ² , ¹ University of Bremen, Germany, ² James Cook University, Australia, ³ Queen Mary University of London, UK
[P1.024]	Spatial response of coastal marshes to increased atmospheric CO₂ K.M. Ratliff ¹ , A. Braswell ¹ , M. Marani* ^{1,2} , ¹ Duke University, USA, ² University of Padova, Italy
[P1.027]	Spatial variations in stable isotope ratios of primary producers in three different habitats (brackish lake feeding the lagoon, lagoon and marine) located in the southwestern Mediterranean Coasts of Turkey Y. Emre* ¹ , N. Emre ² , F.B. Yalim ² , A. Kurtoglu ² , N. Kaymak ³ , S. Akin ³ , ¹ Akdeniz University, Turkey, ² Mediterranean Fisheries Research, Production and Training Institute, Turkey, ³ Gaziosmanpasa University, Turkey
[P1.028]	Influence of soil characteristics and wind waves on the erosion of salt-marsh edges M. Roner*, M. Ghinassi, L. Tommasini, A. Finotello, F. Zago, A. D'Alpaos, <i>University of Padova, Italy</i>
[P1.029]	Morphological characteristics and stratal architecture of a salt-marsh channel in the Venice Lagoon (Italy) M. Pastro*, M. Ghinassi, A. Finotello, M. Roner, M. Marani, A. D'Alpaos, <i>University of Padova, Italy</i>
[P1.030]	Surface properties of microplastics from the coastal beaches in China and their adsorption for oxytetracycline H.B. Zhang*, Y. Zhou, Q. Zhou, C. Tu, Y.M. Luo, <i>Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences, China</i>
[P1.031]	Photoelectrochemical solar cells prepared from nanoscale zerovalent iron used for Aqueous Cd²⁺ removal at Las Cucharillas marsh in Cataño, Puerto Rico K.T. Soto* ¹ , E.O. Ortiz ¹ , L.E. Betancourt ¹ , E. Larios ^{2,3} , M.J. Yacamán ² , C.R. Cabrera ¹ , ¹ University of Puerto Rico, Puerto Rico, ² University of Texas, USA, ³ Universidad de Sonora, Mexico
[P1.032]	Length-weight relationship and condition of Tilapia 'wesafu' and Tilapia guineensis in Epe Lagoon, Nigeria I.O. Taiwo* ¹ , M.O. Ipinmoroti ² , B.T. Adeniyi ¹ , N.A. Bamidele ¹ , ¹ Federal University of Agriculture, Nigeria, ² Osun State University, Nigeria
[P1.033]	Aquaculture products to evaluate the health of coastal zones C. Maggi, M.T. Berducci*, S. Lomiri, B. Di Lorenzo, M. d'Antona, <i>ISPRA, Institute for Environmental Protection and Research, Italy</i>
[P1.034]	Effects of eutrophication on potent greenhouse gas emissions at Hainan island M. Drews* ¹ , T. Rixen ¹ , H. van Asperen ² , T. Warneke ² , ¹ Leibniz Center for Tropical Marine Ecology (ZMT), Germany, ² Institute of Environmental Physics University of Bremen, Germany
[P1.035]	Heavy metals contamination and potential ecological risk in the sediment of the sea areas around south subtropical islands, China Y.M. Sun*, B. Chen, H.P. Huang, <i>The Third Institute of Oceanography, SOA, China</i>
[P1.036]	Water quality assessment of two river located in Guanabara Bay watershed - Rio de Janeiro/Brazil C.M.A. Rangel, J.A. Baptista Neto, V.M.C. Aguiar, P.S. Oliveira, P.F.F. Abuchacra, E.M. Fonseca*, <i>Universidade Federal Fluminense, Brazil</i>
[P1.037]	Distribution of phosphorus in sediments at the areas of different environmental status (Adriatic Sea, Croatia)

	S. Matijevic*, D. Bogner, I. Cvitkovic, A. Žuljevic, M. Despalatovic, G. Kuspilic, B. Grbec, <i>Institute of Oceanography and Fisheries Split, Croatia</i>
[P1.038]	Aquaculture derived organic aggregates as potential vectors for pathogen transfer J. Bachmann* ¹ , M.H. Iversen ² , H.P. Grossart ³ , T. Jeske ¹ , A. Gärdes ¹ , ¹ Leibniz Center for Tropical Marine Ecology, Germany, ² Center for Marine Environmental Sciences, Germany, ³ Leibniz Institute of Freshwater Ecology and Inland Fisheries, Germany
[P1.039]	Managing artisanal fisheries through oyster culture zoning in the Curitamaú estuarine system - Rio Grande do Norte/Brazil P.N.R.P. Araújo ¹ , M.N. Vieira ² , F.E.S. Souza ¹ , E.M. Fonseca* ³ , C.A.R. Silva ^{1,3} , ¹ Rio Grande do Norte Federal University, Brazil, ² Universidade do Porto, Portugal, ³ Fluminense Federal University, Brazil
[P1.040]	Effect of transplantation on heavy metal concentrations in bivalve mollusk <i>Crassostrea rhizophorae</i> of Potengi estuary, Rio Grande do Norte/Brazil T.M. Senez ¹ , E.M. Fonseca* ¹ , E.T. Silva ² , C.A.R. Silva ^{1,2} , ¹ Universidade Federal Fluminense, Brazil, ² Rio Grande do Norte Federal University, Brazil
[P1.041]	Evaluation of contaminant levels in aquatic organisms from Baixada Santista, Sao Paulo, Brazil C. Goncalves* ¹ , M.B. Masutti ¹ , M. Jovito ² , M.B.G. Filho ² , L.A.N. Junior ² , R.C.L. Figueira ³ , P.F. Silvério ¹ , ¹ Consultoria, Planejamento e Estudos Ambientais, Brazil, ² Companhia Docas do Estado de São Paulo, Brazil, ³ Oceanographic Institute of São Paulo University, Brazil
[P1.042]	Toxic dinoflagellate resting cyst distribution in the surface sediments of the Northeast of the Persian Gulf in relation with environmental parameters H. Hosseini Araghy, <i>University of Tehran, Iran</i>
[P1.043]	Directional changes in zooplankton in near-sea lakes of the southern Baltic Sea E. Paturej* ¹ , K. Obolewski ² , K. Glinska-Lewczuk ¹ , S. Kobus ¹ , P. Burandt ¹ , R. Kujawa ¹ , A. Gozdziejewska ¹ , ¹ University of Warmia and Mazury in Olsztyn, Poland, ² The Kazimierz Wielki University, Poland
[P1.044]	Spatial and temporal variation of <i>Parasagitta setosa</i> (Chaetognatha) in a hypoxic bay G. Kehayias*, S. Ntana, <i>University of Patras, Greece</i>
[P1.045]	Key soil factors for sand dunes plant species: Trends from Mediterranean coast C. Angiolini, A. Nucci, G. Bonari*, M. Landi, <i>University of Siena, Italy</i>
[P1.046]	Problems of relocation and aerobic degradation of the settling material in organic-walled dinoflagellate cyst studies in palaeotropics: A study case of the Java Sea, Indonesia A. Poliakova* ¹ , K.A.F. Zonneveld ^{2,3} , H. Behling ¹ , ¹ Georg-August-University of Göttingen, Albrecht-von-Haller-Institute for Plant Sciences, Department of Palynology and Climate Dynamics, Germany, ² University of Bremen, Germany, ³ Center for Marine Environmental Sciences (MARUM), University of Bremen, Germany
[P1.047]	A combined protocol for the simultaneous identification of fungi and bacteria in water samples: Implication in chitin determination F. Biancalana ¹ , G.A. Kopprio* ^{1,2} , R.J. Lara ¹ , C. Alonso ¹ , ¹ Instituto Argentino de Oceanografía, Argentina, ² Leibniz Center for Tropical Marine Ecology, Germany, ³ Centro Universitario Región Este, Uruguay
[P1.048]	Seasonal variability of benthic macrofauna in a hypersaline sub-tropical coastal lagoon in the Red Sea Z. Alsaffar*, J. Cúrdia, X. Irigoien, S. Carvalho, <i>King Abdullah University of Science and Technology, Saudi Arabia</i>
[P1.049]	Diversity of zooplankton in Daya Bay, northern South China Sea L.M. Huang*, K.Z. Li, <i>South China Sea Institute of Oceanology, Chinese Academy of Sciences, China</i>
[P1.050]	Mussel beds are biological power stations on intertidal flats F.G. Engel* ^{1,2} , J.B. Gusmao ² , R. Andriana ² , J. Alegria ² , B. Matthiessen ¹ , B.K. Eriksson ² , ¹ GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany, ² University of Groningen, The Netherlands
[P1.051]	Salinity tolerance as a factor controlling spatial patterns in composition and structure of zooplankton in the Guadalquivir estuary M. Gutiérrez-Martínez ¹ , E. Gonzalez-Ortegon* ² , F. Baldó ² , P. Cañavate ¹ , C. Vilas ¹ , ¹ IFAPA, Spain, ² Instituto Español de Oceanografía, Spain
[P1.052]	Shifts on bacterial community diversity in Antarctica Fildes Peninsula soils with different levels of metal concentrations J. Santos* ¹ , C. Magalhães ¹ , H. Ribeiro ¹ , A. Padeiro ² , J. Canário ² , ¹ University of Porto, Portugal, ² University of Lisbon, Portugal
[P1.053]	Enhancing biodiversity with submarine artwork in Cancun, Mexico V. Solis-Weiss* ¹ , A. Toledano Granados ¹ , J. Gonzalez Cano ² , N. Jost ³ , ¹ Universidad Nacional Autónoma de México, Mexico, ² SEMARNAT, Mexico, ³ University of Montreal, Canada

[P1.054]	Seasonal colonisation of live and dead Sydney rock oyster, <i>Saccostrea glomerata</i>, habitat M. Vozzo, <i>Macquarie University, Australia</i>
[P1.055]	Distribution and salinity tolerance of the invasive isopod <i>Synidotea laticauda</i> in the Guadalquivir estuary (SW Spain): Field and laboratory observations M.C. Ruiz-Delgado ¹ , E. González-Ortegón ¹ , I. Herrera* ¹ , B. Almón ¹ , P. Drake ¹ , C. Vilas ¹ , F. Baldó ¹ , ¹ <i>Instituto Español de Oceanografía, Spain</i> , ² <i>Instituto de Ciencias Marinas de Andalucía, Spain</i> , ³ <i>IFAPA Centro El Toruño, Spain</i>
[P1.056]	Seagrass restoring as measure to enhance the achievement of Water Framework Directive objectives. Preliminary results from LIFE SERSTO project A. Bonometto* ¹ , C. Facca ² , L. Scapin ² , F. Oselladore ¹ , F. Rampazzo ¹ , A. Buosi ² , D. Berto ¹ , P. Franzoi ² , R. Boscolo Brusà ¹ , A. Sfriso ² , ¹ <i>Italian National Institute for Environmental Protection and Research, Italy</i> , ² <i>Ca' Foscari University of Venice, Italy</i>
[P1.057]	Composition, abundance and vertical stratification of meiofauna along a runoff gradient continental water in a tropical urban beach (northeastern, Brazil) A.M. Rocha Jr, E.C.G. Couto*, <i>University of Santa Cruz, Brazil</i>
[P1.058]	Reproductive biology of <i>Parablennius pilicornis</i> (Blenniidae) in Guanabara Bay L.S. Corona, F.E. Abrunhosa, A.A. Bertoncini*, L.N. Santos, <i>Universidade Federal do Estado do Rio de Janeiro (UNIRIO), Brazil</i>
[P1.059]	Checklist of fishes from Urca beaches, Rio de Janeiro I.R. Evangelista ¹ , A.C.S. Franco ² , L.B. Seixas ³ , J.C. Viaggi ¹ , A.A. Bertoncini* ¹ , L.N. Santos ¹ , ¹ <i>Universidade Federal do Estado do Rio de Janeiro (UNIRIO), Brazil</i> , ² <i>Universidade Federal do Rio de Janeiro (UFRJ), Brazil</i> , ³ <i>Universidade Federal Fluminense (UFF), Brazil</i>
[P1.060]	The role of habitat-use patterns on fish assemblages responses to marine and estuarine waters in an tropical bay A.C.S. Franco ^{1,2} , A.A. Bertoncini* ² , L.N. Santos ² , ¹ <i>Federal University of Rio de Janeiro, Brazil</i> , ² <i>Federal University of Rio de Janeiro State (UNIRIO), Brazil</i>
[P1.061]	Seasonal response of reef fish assemblages to environmental variables in a tropical bay A.C.S. Franco ^{1,2} , A.A. Bertoncini* ² , L.N. Santos ² , ¹ <i>Federal University of Rio de Janeiro, Brazil</i> , ² <i>Federal University of Rio de Janeiro State (UNIRIO), Brazil</i>
[P1.062]	Fish assemblages associated with two sandy beaches in the entrance of Guanabara Bay, Brazil: Species composition and structure and effects of environmental changes J.S. Souza ¹ , A.A. Bertoncini* ² , L.N. Santos ² , A.F.G.N. Santos ¹ , ¹ <i>Fluminense Federal University (UFF), Brazil</i> , ² <i>Federal University of Rio de Janeiro State (UNIRIO), Brazil</i>
[P1.063]	Biodiversity associated with beds of <i>Codium decorticatum</i> in a Brazilian polluted bay R.G. Giordano, A.A. Andrade*, J.C. de Paula, L.N. Santos, <i>Federal University of Rio de Janeiro State (UNIRIO), Brazil</i>
[P1.064]	Global environmental gradients determine functional diversity of fish assemblages S. Henriques* ¹ , F. Guilhaumon ² , S. Villéger ² , S. Amoroso ¹ , S. França ¹ , S. Pasquaud ¹ , H.N. Cabral ¹ , R.P. Vasconcelos ¹ , ¹ <i>MARE - Marine and Environmental Sciences Centre & FCUL - Faculdade de Ciências da Universidade de Lisboa, Portugal</i> , ² <i>Laboratoire Biodiversité Marine et ses usages UMR 9190, France</i>
[P1.065]	Characterization of people based on fuelwood collection in Teknaf peninsula S.M.A. Ullah*, M.A. Rahman, M. Tani, <i>Kyushu University, Japan</i>
[P1.066]	The Italian coast between protected areas and linear metropolis: Line of action for a difficult recovery L. Fiorini*, A. Marucci, F. Zullo, S. Ciabò, B. Romano, <i>University of L'Aquila, Italy</i>
[P1.067]	The collapse of the <i>Donax trunculus</i> fishery in the southern sector of the Gulf of Valencia, western Mediterranean J. Escrivá*, E. Alonso, J.P. Martín, S. Falco, J. Sospedra, F. Llario, M. Rodilla, <i>Universitat Politècnica de València, Spain</i>
[P1.068]	Assessing heavy metal sediment levels and dynamic in Vitoria estuarine system - Espírito Santo/Brazil L.S. Lima*, E.M. Fonseca, T.C. Balbão, J. Fernandes, F. Brandão, <i>Universidade Federal Fluminense, Brazil</i>
[P1.069]	Heavy metal release from plastic debris coated by anti-fouling paints along an estuarine physico-chemical gradient B. Duarte* ¹ , J. Canning-Clode ^{2,3} , P. Ramalhosa ¹ , N. Vaz ⁴ , J.M. Dias ⁴ , F. Bessa ⁵ , ¹ <i>MARE – Marine and Environmental Sciences Centre, Faculty of Sciences of the University of Lisbon, Portugal</i> , ² <i>MARE – Marine and Environmental Sciences Centre, Estação de Biologia Marinha do Funchal, Portugal</i> , ³ <i>Centre of IMAR of the University of the Azores, Department of Oceanography and Fisheries, Portugal</i> , ⁴ <i>Physics Department & Centre for Environmental and Marine Studies (CESAM), University of Aveiro, Portugal</i> , ⁵ <i>MARE – Marine and</i>

	<i>Environmental Sciences Centre, c/o Department of Zoology, Faculty of Sciences and Technology, University of Coimbra, Portugal</i>
[P1.070]	Linking modelling and empirical data to assess recreational ecosystem services provided by coastal habitats: The case of NW Portugal S. Ramos* ^{1,2} , J. Cunha ¹ , A.P. Mucha ¹ , J. Coimbra ¹ , M. Elliott ² , ¹ University of Porto, Portugal, ² University of Hull, UK
[P1.071]	Mapping of the ecosystem services related to the protected territories in the Curonian lagoon area A. Razinkovas-Baziukas*, D. Baziuke, R. Morkune, R. Povilanskas, T. Ruginis, <i>Klaipeda University, Lithuania</i>
[P1.072]	What is the coast worth? A meta-analysis of nonmarket valuation studies of marine ecosystem services in China J. Guo*, J.P. Zheng, X. Zhao, M.J. Jiang, R.F. Huang, <i>Ocean University of China, China</i>
[P1.073]	External validity of artefactual field experiments: A study on cooperation, impatience and sustainability in an artisanal fishery in Colombia A. Schlüter* ^{1,2} , L. Torres Guevara ¹ , ¹ Leibniz Centre for Tropical Marine Ecology, Germany, ² Jacobs University, Germany
[P1.074]	The sediment-starved Yellow River Delta as remotely controlled by human activities in the river basin H.J. Wang*, N.S. Bi, X. Wu, <i>Ocean University of China, China</i>
[P1.075]	Attitudes of local citizens for the restoration of urban coastal meadows in Pärnu, Estonia M. Mägi*, M. Übner, <i>University of Tartu, Estonia</i>
[P1.076]	Applicability of the benthic indices for assessment on island ecosystem health: A case study of the Chongming Island and Zhoushan Archipelago, East China Sea Y.M. Sun*, B. Chen, W.W. Yu, <i>The Third Institute of Oceanography, SOA, China</i>
[P1.077]	Evaluation of marine ecological carrying capacity — — A case study in Dongtou Islands, Zhejiang Province, P.R. China P. Ma* ¹ , G. Ye ¹ , X. Peng ² , J. Liu ² , ¹ Zhejiang University, China, ² Zhejiang Mariculture Research Institute, China
[P1.078]	GIS-based multi criteria evaluation model for identifying suitable sites for shrimp farming in the coastal area of Bushehr province F. Amiri*, H. Faqih, T. Tabatabaie, <i>Islamic Azad University, Bushehr Branch, Iran</i>
[P1.079]	Data stream architecture in the maritime domain, demonstration of distributed optical sensor systems N. Rüssmeier* ¹ , H. Surm ¹ , A. Hahn ¹ , D. Nicklas ² , O. Zielinski ¹ , ¹ University of Oldenburg, Germany, ² University of Bamberg, Germany
[P1.080]	Impact of rock removal through blasting procedures on Ichthyofauna in Vitória Bay (Espírito Santo, Brazil) M.P. Gomes* ¹ , C.B. Klein ² , I.S. Lima ^{2,3} , J.B. Oliveira ² , L.R. Santos ² , N.S. Gerhardt ² , R.M. Laffranchi-Neto ² , R.M. Batista ² , R.R. Souza ² , V.S. Endringer ^{2,4} , ¹ University of Liverpool, UK, ² Faculdade Católica Salesiana, Brazil, ³ Aplysia Institute, Brazil, ⁴ Federal Institute for Science, Education and Technology, Brazil
[P1.081]	Ecosystem services: Towards integrated marine infrastructure project optimization A. Boerema* ¹ , K. Van der Biest ¹ , R. Kolman ² , P. Meire ¹ , ¹ University of Antwerp, Belgium, ² International Association of Dredging Companies, The Netherlands
[P1.082]	Integrated assessment of island ecosystem in China Z. Ma*, B. Chen, H. Huang, W. Yu, <i>The Third Institute of Oceanography, State Oceanic Administration, China</i>
[P1.083]	Use of green engineering for enhancing the biodiversity and functioning of seawalls in harbours and ports E. Strain* ¹ , M. Bishop ² , V. Cumbo ² , R. Morris ³ , R. Coleman ³ , E. Johnston ^{4,1} , ¹ Sydney Institute of Marine Science, Australia, ² Macquarie University, Australia, ³ University of Sydney, Australia, ⁴ University of NSW, Australia
[P1.084]	Intensified saltwater intrusion in Seomjin river estuary, Korea : Trend and causes J. Kim*, H.S. Jung, D.I. Lim, <i>KIOST, Republic of Korea</i>
[P1.085]	Modeling impacts of artificial limestone weathering on marine carbonate chemistry J.S. Kirchner*, H-J. Brumsack, B. Schnetger, J-O. Wolff, K.A. Lettmann, <i>University of Oldenburg, Germany</i>
[P1.086]	Changes in pore water chemistry and methane emission following the invasion and establishment of <i>Spartina alterniflora</i> into brackishmarshes, Min River estuary, China C. Tong*, J.F. Huang, J.T. Morris, H. Xu, S. Wan, <i>Fujian Normal University, China</i>
[P1.087]	Late Holocene variation in amount and sources of carbon and nitrogen in two sediment records from Jakarta Bay, Java, Indonesia L.S. Herbeck*, G. Kiragosyan, T.C. Jennerjahn, <i>Leibniz Center for Tropical Marine Ecology (ZMT), Germany</i>
[P1.088]	Spatial distribution and enrichment assessment of heavy metals in surface sediments from Baixada Santista, Southeastern Brazil

	B.S.M. Kim, A.B. Salaroli, P.A.L. Ferreira, J.R. Sartoretto, M.M. Mahiques, R.C.L. Figueira*, <i>Oceanographic Institute of Sao Paulo University, Brazil</i>
[P1.089]	Environmental changes reflected by sedimentary geochemistry in recent hundred years of the Caravelas estuary, Brazil J.L.F. Angeli ¹ , B.R. Armesto ² , P.A.L. Ferreira ¹ , C. Goncalves ³ , R.C.L. Figueira* ¹ , ¹ <i>Instituto Oceanografico da Universidade de Sao Paulo, Brazil</i> , ² <i>Universidad de Vigo, Spain</i> , ³ <i>Consultoria, Planejamento e Estudos Ambientais, Brazil</i>
[P1.090]	Distribution and enrichment of trace metals in the core sediments of Indian and Bangladesh part of the Sundarban estuarine-mangrove complex A. Kumar* ¹ , A.L. Ramanathan ² , D. Datta ³ , ¹ <i>Central University of Rajasthan, India</i> , ² <i>Jawaharlal Nehru University, India</i> , ³ <i>Khulna University, Bangladesh</i>
[P1.091]	Centennial-scale stepwise increase of human pressures on the ecosystem in the German Bight, North Sea D. Hebbeln, <i>MARUM, University of Bremen, Germany</i>
[P1.092]	Effects of a sewage effluent on reproduction and survival in <i>Eurytemora americana</i>. Experimental response of cultured females A.A. Berasategui ¹ , F. Biancalana ¹ , A. Fricke* ¹ , M.D. Fernandez –Severini ¹ , R. Uibrig ¹ , M. Dutto ¹ , D. Calliari ² , M. Hoffmeyer ¹ , ¹ <i>Instituto Argentino de Oceanografía- CCTBB-CONICET- Bahia Blanca, Argentina</i> , ² <i>Universidad de la República- Rocha, Uruguay</i>
[P1.093]	Net ecosystem exchange and net ecosystem production in a salt marsh in southeastern South America (Argentina) N.E. Tonti* ^{1,2} , M.I. Gassmann ^{1,2} , C.F. Pérez ^{1,2} , ¹ <i>University of Buenos Aires, Argentina</i> , ² <i>CONICET, Argentina</i>
[P1.094]	Assessment of mangrove forest ecosystem by using macrobenthos assemblages in response to environmental variations S. Farooq, <i>University of Karachi, Pakistan</i>
[P1.095]	The impact of environmental deterioration on macroinvertebrate communities in the Chanchaga River, North Central Nigeria: A multimetric approach A.O. Edegbene* ¹ , F.O. Arimoro ² , I.K. Olayemi ² , A.S. Abubakar ² , ¹ <i>Sule Lamido University, Nigeria</i> , ² <i>Federal University of Technology, Nigeria</i>
[P1.096]	Effects of dredged sediment disposal on the continental shelf macrobenthic assemblage near Guanabara bay, Brazil E.M. Fonseca* ¹ , P.M. Costa ² , L.S. Lima ¹ , H. Vargas ¹ , A.P. Wandeness ³ , A.M. Esteves ³ , ¹ <i>Universidade Federal Fluminense, Brazil</i> , ² <i>Universidade Federal do Rio de Janeiro, Brazil</i> , ³ <i>Universidade Federal de Pernambuco, Brazil</i>
[P1.097]	The impact of strong wind on hypoxia process off Changjiang estuary X. Ni* ¹ , D. Huang ^{1,2} , J. Chen ^{1,2} , D. Zeng ¹ , K. Wang ¹ , ¹ <i>Second Institute of Oceanography, China</i> , ² <i>Zhejiang University, China</i>
[P1.098]	Geohabitat mapping in the continental shelf off Guanabara Bay, Rio de Janeiro, Brazil G.T. Dias*, C. Fontelles, C.G. Silva, L.S. Lima, E.M. Fonseca, <i>Universidade Federal Fluminense, Brazil</i>
[P1.099]	Real-time monitoring of Changjiang River diluted water nutrient delivery and biological response in the Changjiang River Estuary K. Wang* ¹ , J.F. Chen ¹ , X.B. Ni ¹ , D.Y. Zeng ¹ , D.W. Li ¹ , H.Y. Jin ¹ , P.M. Glibert ² , D.J. Huang ¹ , ¹ <i>Second Institute of Oceanography, China</i> , ² <i>University of Maryland Center for Environmental Science, Horn Point Laboratory, USA</i>
[P1.100]	Initial soil development processes in human-induced sediment deposits of a barrier island (Spiekeroog, Northwest Germany) T. Pollmann*, L. Giani, <i>Carl von Ossietzky University, Germany</i>
[P1.101]	Sediment contamination in world harbours: A reflection of social-economic development? J.L. Banks* ¹ , J.H. Lee ² , G. Birch ² , ¹ <i>Sydney Institute of Marine Science, Australia</i> , ² <i>University of Sydney, Australia</i>
[P1.102]	Long-term exposure to ocean acidification more than warming modifies juvenile shell growth patterns in a temperate gastropod S. Ruhl, <i>Plymouth University, UK</i>
[P1.103]	Quantification and characterization of marine nanoparticles by the Variable Pressure Scanning Electron Microscope and Energy-dispersive X-ray spectroscopy B. Graca* ¹ , A. Zgrundo ¹ , D. Zakrzewska ¹ , M. Rzdokiewicz ² , ¹ <i>University of Gdansk, Poland</i> , ² <i>University of Adam Mickiewicz, Poland</i>
[P1.104]	The Integrated Territorial Investment (ITI) of the Mar Menor as a model for the future in the comprehensive management of coastal lagoons

	S. Garcia-Ayllon, <i>General Directorate of Transport, Ports and Coasts of the Region of Murcia, Spain</i>
[P1.105]	Resilience of soft-bottom benthic community to the laying of power cables in Mediterranean Sea (Tyrrhenian Sea, Italy) S. Lomiri*, T. Bacci, B. Trabucco, C. Maggi, O. Nonnis, M. Gabellini, <i>ISPRA - Institute for Environmental Protection and Research, Italy</i>
[P1.106]	Transition from terrigenous to marine conditions in sediment cores from El Llano coastal lagoon (Gulf of Mexico) related to sea-level change S. Bojorquez-Sanchez ¹ , A.J. Marmolejo-Rodriguez ¹ , A. SÁNCHEZ-GONZÁLEZ ¹ , A.C. Ruiz-Fernandez ² , J.A. Sanchez-Cabeza ² , H. Bojorquez-Leyva ² , L.H. Perez-Bernal ² , O.F. Becerra-Rueda* ¹ , ¹ <i>CICIMAR, Mexico</i> , ² <i>ICMyL, UNAM, Mexico</i>
[P1.107]	Black alder (<i>Alnus glutinosa</i> L. Gaertn.) as opportunity for coastal afforestation M. Deptula, A. Piernik, A. Nienartowicz, P. Hulisz*, D. Kaminski; <i>Nicolaus Copernicus University in Torun, Poland</i>
[P1.108]	Thalassiosira species (Bacillariophy) from the sediment of South China Sea R. Wu* ^{1,2} , C.P. Chen ² , Y.H. Gao ^{2,3} ; ¹ <i>Hainan Academy of Ocean and Fisheries Sciences, China</i> , ² <i>School of Life Sciences, Xiamen University, China</i> , ³ <i>Laboratory of Marine Environmental Science, Xiamen University, China</i>
[P1.109]	The status and conservation of Mangrove resources in Xinying Bay, Hainan R. Wu*, X.H. Chen, D.D. Chen, Z.G. Tu, G.X. Zhang, D.R. Wang, <i>Hainan Academy of Ocean and Fisheries Sciences, China</i>

Poster Session II

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[P2.001]	Morphogenesis and evolution of shelf mud depocenters controlled by natural and anthropogenic processes W. Zhang* ¹ , Y. Cui ² , A. Santos ³ , T. Hanebuth ⁴ , ¹ <i>Helmholtz Center for Materials and Coastal Research Geesthacht, Germany</i> , ² <i>Sun Yat-sen University, China</i> , ³ <i>Hydrographic Institute Lisbon, Portugal</i> , ⁴ <i>Coastal Carolina University, USA</i>
[P2.002]	Cross-shore suspended sediment transport during a waterspout event on amazon coast J.S. Guerreiro* ¹ , P.F. Aguiar ^{1,2} , M. El-Robrini ¹ , ¹ <i>Marine and Coastal Research Group- Federal University of Para, Brazil</i> , ² <i>Centre of Advanced Amazonian Studies -Federal University of Para, Brazil</i>
[P2.003]	Monitoring aeolian sand transport on coastal dune by means of low-cost solutions A. Pozzebon ¹ , F. Alquini* ² , G. Sarti ² , D. Bertoni ² , D. Ciccarelli ² , F. Colarieti ² , ¹ <i>University of Siena, Italy</i> , ² <i>University of Pisa, Italy</i>
[P2.004]	Heat fluxes between Guadalquivir river and continental shelf of the Gulf of Cádiz J. Delgado* ¹ , J. Moreno Navas ¹ , A. Pulido ² , J. García-Lafuente ¹ , M.C. Calero Quesada ¹ , R. García ² , ¹ <i>Málaga University, Spain</i> , ² <i>Autoridad Portuaria de Sevilla, Spain</i>
[P2.005]	Sedimentary composition and facies zonation of some uninhabited reef islands in the Spermonde Archipelago, SW Sulawesi, Indonesia A.J. Janßen* ^{1,2} , T.M. Mann ¹ , H.W. Westphal ² , ¹ <i>University of Bremen, Germany</i> , ² <i>ZMT - Leibniz Center for Tropical Marine Ecology, Germany</i>
[P2.006]	Experiments and simulations on the characteristics of gravity currents under different conditions Y. Yang*, H.C. Ho, Y.T. Lin, <i>Zhejiang University, China</i>
[P2.007]	Including the observed effect of microbiological activities in a flocculation model V. Dulière* ¹ , B.J. Lee ² , P. Luyten ¹ , M. Fettweis ¹ , ¹ <i>Royal Belgian Institute of Natural Sciences, Belgium</i> , ² <i>Kyungpook National University, Belgium</i>
[P2.008]	A quantitative examination of the internal characteristics of flocculated sediment using novel microscopy techniques T.J. Lawrence* ¹ , K. Spencer ¹ , A.J. Bushby ¹ , A. Manning ² , ¹ <i>University of London, UK</i> , ² <i>HR Wallingford, UK</i>
[P2.009]	Defence work assessment to prevent beach erosion and river mouth diversion along the Domita Coast (southern Italy) - Experimental survey M. Di Natale*, S. Di Ronza, C. Eramo, M. Vigliotti, D. Ruberti, <i>Second University of Naples, Italy</i>
[P2.010]	Multi length scale characterisation of estuarine flocs using correlative tomography J.A.T. Wheatland, A.J. Bushby, K.L. Spencer*, <i>Queen Mary University of London, UK</i>
[P2.011]	Hydrodynamic simulation of reclamation plan in north coast of Jakarta, Indonesia I.M. Radjawane* ¹ , M.R. Badriana ¹ , H. Bachtiar ² , ¹ <i>Bandung Institute of Technology, Indonesia</i> , ² <i>Ministry of Public Works, Indonesia</i>

[P2.012]	Coupling of wave and circulation models in coastal-ocean predicting systems: A case study for the German Bight J. Staneva, K. Wahle*, H. Guenther, E. Stanev, <i>Helmholtz-Zentrum Geesthacht, Germany</i>
[P2.013]	Causes, dynamic and results of extreme storm surges occurrence in the Southern Baltic coastal zone J. Tylkowski, <i>Adam Mickiewicz University in Poznan, Poland</i>
[P2.014]	Coastal and estuarine vulnerability to extreme floods: How did the June, 2013 Elbe flood affect the German Bight? Y.G. Voynova*, H. Brix, W. Petersen, <i>Helmholtz-Zentrum Geesthacht, Germany</i>
[P2.015]	Morphogenetic seasonality of landslide processes of the Pomeranian Bay cliff coast (Southern Baltic) M. Winowski, <i>Adam Mickiewicz University in Poznan, Poland</i>
[P2.016]	The impact of extreme meteorological and hydrological events on the dynamics of cliff coast retreat (Pomeranian Bay - Southern Baltic) A. Kostrzewski*, J. Tylkowski, M. Winowski, Z. Zwolinski, <i>Adam Mickiewicz University in Poznan, Poland</i>
[P2.017]	Changes in Great South Bay's hydrodynamics and kinematics after Hurricane Sandy C. Hinrichs*, C.N. Flagg, R.E. Wilson, R.D. Flood, <i>Stony Brook University, USA</i>
[P2.018]	Identification of the occurrence of compatible sediments for Marambaia sandbar nourishment - Rio de Janeiro, Brazil E.M. Fonseca*, C.G. Silva, G.T. Dias, H.V. Borges, L.S. Lima, <i>Universidade Federal Fluminense, Brazil</i>
[P2.019]	Unusual and long lasting atmospheric conditions over the Adriatic Sea and their influence on ecosystem B. Grbec* ¹ , G. Beg Paklar ¹ , F. Matic ¹ , A. Bajic ² , S. Ivatek_Šahdan ² , G. Kušpilić ¹ , S. Matijević ¹ , A. Žuljević ¹ , ¹ <i>Institute of Oceanography and Fisheries, Croatia</i> , ² <i>Meteorological and Hydrological Service, Croatia</i>
[P2.020]	Long-term environmental and health implications of morphological change and sediment transport with respect to contaminants C.R. Sneddon* ¹ , D. Copplestone ¹ , A.N. Tyler ¹ , P.D. Hunter ¹ , N. Smith ² , ¹ <i>University of Stirling, UK</i> , ² <i>National Nuclear Laboratory, UK</i>
[P2.021]	The Mariana disaster - composition and abundance of benthic macro and meiofauna of the swash zone of the Povoação Beach (Mouth of the Doce River) 70 days after the accident G. Zanetti ¹ , A.M. Rocha Jr ¹ , A.E. Rizzo ² , E.C.G. Couto* ¹ , ¹ <i>University of Santa Cruz, Brazil</i> , ² <i>University of Rio de Janeiro State, Brazil</i>
[P2.022]	An integrated coastal environmental monitoring system using HF radar and Atmosphere-Ocean-Wave coupling model in the northern Shandong Peninsula Coast, China C. Tang* ¹ , X. Liu ¹ , Y. Li ¹ , H. Zhang ¹ , X. Zheng ² , R. Mayerle ² , ¹ <i>Yantai Institute of Coastal Zone Research, China</i> , ² <i>Kiel University, Germany</i>
[P2.023]	Application of bio-optical relationships to study reservoirs of suspended matter, particulate carbon, and dissolved organic matter in coastal waters of the Barents Sea (Porsangerfjorden) J. Bialogrodzka* ^{1,2} , D. Burska ³ , D. Ficek ⁴ , J. Ston-Egiert ¹ , A. Winogradow ¹ , M. Stramska ^{1,2} , ¹ <i>Institute of Oceanology of the Polish Academy of Sciences, Poland</i> , ² <i>University of Szczecin, Poland</i> , ³ <i>University of Gdansk, Poland</i> , ⁴ <i>Pomeranian University in Slupsk, Poland</i>
[P2.024]	Development and validation of an autonomous filtration system for integrated marine monitoring H. Ribeiro* ¹ , C. Magalhães ¹ , A.P. Mucha ¹ , M.F. Carvalho ¹ , C.M.R. Almeida ¹ , I. Azevedo ¹ , S. Ramos ^{1,2} , A. Santos ³ , E. Silva ^{4,5} , A. Martins ^{4,5} , ¹ <i>CIIMAR – Interdisciplinary Center of Marine and Environmental Research, Portugal</i> , ² <i>Institute of Estuarine and Coastal Studies, UK</i> , ³ <i>IPMA – Portuguese Sea and Atmosphere Institute, Portugal</i> , ⁴ <i>INESC TEC – INESC Technology and Science, Portugal</i> , ⁵ <i>ISEP – School of Engineering, Polytechnic Institute of Porto, Portugal</i>
[P2.025]	Monitoring changes of mangrove forests in coastal areas using multi-temporal landSat images F. Amiri*, T. Tabatabaie, <i>Islamic Azad University, Bushehr, Iran, Iran</i>
[P2.026]	Water exchange in a faroese fjord system S.V. Erenbjerg*, E. Joensen, K. Simonsen, <i>Aquaculture Research Station of the Faroes, Faroe Islands</i>
[P2.027]	Hydrodynamic response to extratropical storm in a semi-enclosed shallow sea H. Zhang*, Y-F. Li, D-J. Jiang, C. Tang, <i>Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences, China</i>
[P2.028]	A coupled ocean-atmosphere-wave (COAWST) modeling for 2011 Penglai 19-3 oil spill, China C. Tang, X. Liu*, Y.F. Li, H. Zhang, <i>Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences, China</i>
[P2.029]	A numerical study on the influence of low frequency wave period on wave overtopping in a very gentle foreshore

	H.T.T. Nguyen* ^{1,2} , M.J.F. Stive ¹ , H.J. Verhagen ¹ , ¹ <i>Delft University of Technology, The Netherlands</i> , ² <i>National University of Civil Engineering, Viet Nam</i>
[P2.030]	Hydrodynamic modelling of Ciénaga Grande de Santa Marta coastal lagoon (Colombian Caribbean) using MOHID water modelling system M.A. Carvajalino Fernández ^{1,2} , O. Lojek* ² , L. Fernandes ³ , L.J. Vivas Aguas ⁴ , ¹ <i>Christian-Albrechts Universität zu Kiel, Germany</i> , ² <i>Leibniz Universität Hannover, Germany</i> , ³ <i>Actionmodulers, Portugal</i> , ⁴ <i>Instituto de Investigaciones Marinas y Costeras - INVEMAR, Colombia</i>
[P2.031]	Model study on the influence of offshore wind farms on the dynamics of the southern North Sea I. Kuznetsov* ¹ , A. Androsov ² , V. Fofonova ² , S. Danilov ² , N. Rakowsky ² , H. Brix ¹ , ¹ <i>Institute of Coastal Research, Helmholtz Zentrum Geesthacht, Germany</i> , ² <i>Alfred Wegener Institute for Polar and Marine Research, Germany</i>
[P2.032]	Estimating flushing time in Estuary of Citarum, Indonesia by using box model and hydrodynamic model S. Nurdjaman*, M. Burhanuddin, I. Radjawane, T. Suprijo, <i>Bandung Institute of Technology, Indonesia</i>
[P2.033]	Seasonal variations in sediment geochemistry of late core sediments from the monsoon climate region: Daechung Lake, South Korea D. Lim*, H. Jung, J. Kim, D. Jong, <i>Korea Institute of Ocean Science & Technology, Republic of Korea</i>
[P2.034]	Impacts of coastal armouring on sedimentary communities vary with wave exposure L.P. Critchley*, M.J. Bishop, <i>Macquarie University, Australia</i>
[P2.035]	Rare earth element imprint in the semiarid sediments of a stream basin influenced by gold mining A.J. Marmolejo-Rodríguez ¹ , R. Prego ² , V.R. Magallanes-Ordóñez ¹ , A. Sánchez-González ¹ , M.A. Álvarez-Vázquez* ^{3,2} , ¹ <i>Centro Interdisciplinario de Ciencias Marinas del Instituto Politécnico Nacional, Mexico</i> , ² <i>Instituto de Investigaciones Marinas (IIM-CSIC), Spain</i> , ³ <i>University of Vigo, Spain</i>
[P2.036]	Water quality in a rapidly growing touristic island at México's Caribbean Sea N. Rubio-Cisneros* ¹ , J. Herrera-Silveira ¹ , S. Morales-Ojeda ¹ , M. Moreno-Baez ² , J. Montero ¹ , M. Pech-Cardenas ¹ , ¹ <i>Centro de Investigación y de Estudios Avanzados (CINVESTAV), Mexico</i> , ² <i>Independent Researcher, USA</i>
[P2.037]	DOC and DIC cycling in semiarid estuary during drought years M.S. Cavalcante* ¹ , R.V. Marins ¹ , F.J.S. Dias ² , A.C.O. Carvalho ¹ , ¹ <i>Universidade Federal do Ceará, Brazil</i> , ² <i>Universidade Federal do Maranhão, Brazil</i>
[P2.038]	Fatty acid markers in the suspended particulate matter in a Patagonian estuary: Water quality indicators G.A. Kopprio* ¹ , M. Graeve ¹ , R.J. Lara ¹ , ¹ <i>Instituto Argentino de Oceanografía, Argentina</i> , ² <i>Alfred Wegener Institute Helmholtz Center for Polar and Marine Research, Germany</i>
[P2.039]	Particulate carbon and nitrogen inputs from the anthropogenically affected Paraíba do Sul River catchment and its fate on the SE Brazilian continental margin T.C. Jennerjahn* ¹ , C.E.V. Carvalho ² , C.E. Rezende ² , ¹ <i>Leibniz Center for Tropical Marine Ecology, Germany</i> , ² <i>Universidade Estadual do Norte Fluminense, Centro de Biociencias e Biotecnologia, Brazil</i>
[P2.040]	Dissolved nutrients as indicators of anthropogenic changes in two Brazilian estuarine systems S.A. Eschrique ¹ , R.V. Marins* ² , E.S. Braga ³ , ¹ <i>Federal University of Maranhao, Brazil</i> , ² <i>Federal University of Ceara, Brazil</i> , ³ <i>University of Sao Paulo, Brazil</i>
[P2.041]	Sulfidisation of long-term artificially-inundated peaty sediments L.A. Sullivan, J.M. Reeves*, A.J. Trewarn, <i>Federation University Australia, Australia</i>
[P2.042]	Land use and landscape pattern change in a reclaimed coastal zone using GIS. Case study from the Northern Campania region (southern Italy) D. Ruberti*, M. Vigliotti, <i>Department of Civil Engineering, Design, Building and Environment (DICDEA), Italy</i>
[P2.043]	Understanding the impact of flooding events on contaminated sediments in rivers and estuaries T. Bergmann* ^{1,2} , K. Spencer ¹ , M. Toffolon ² , ¹ <i>University of London, UK</i> , ² <i>University of Trento, Italy</i>
[P2.044]	High-frequency monitoring of land-ocean interactions in a Norwegian river-fjord system O. Kaste*, R. Høgberget, K. Austnes, U. Brandt, R. Brenden, J. Karud, A.E. Poste, H.C. Trannum, <i>Norwegian Institute for Water Research, Norway</i>
[P2.045]	Soil formation in the human-altered coastal plain (Vistula River mouth, Poland) P. Hulisz* ¹ , M. Witkowska ¹ , G. Kusza ² , L. Leczynski ³ , Z. Klostowska ³ , ¹ <i>Nicolaus Copernicus University, Poland</i> , ² <i>University of Opole, Poland</i> , ³ <i>University of Gdansk, Poland</i>
[P2.046]	Magnetic susceptibility as an indicator of the degree of soil transformation in the area of the Vistula River mouth, Poland G. Kusza* ¹ , Z. Ziembik ¹ , P. Hulisz ² , L. Leczynski ³ , Z. Klostowska ³ , ¹ <i>Univeristy of Opole, Poland</i> , ² <i>Nicolaus Copernicus University, Poland</i> , ³ <i>University of Gdansk, Poland</i>
[P2.047]	Spatial and temporal variability of metabolic rates in subtropical estuarine communities M. Tagliarolo*, U.M. Scharler, <i>University of KwaZulu Natal, South Africa</i>

[P2.048]	<p>Isotope constraints on seasonal dynamics of dissolved and particulate N in the Pearl River Estuary, South China</p> <p>F. Ye*¹, G.D. Jia^{1,2}, L.H. Xie¹, G.J. Wei¹, J. Xu³, ¹Guangzhou Institute of Geochemistry, China, ²Tongji University, China, ³South China Sea Institute of Oceanology, China</p>
[P2.049]	<p>Seasonal changes in denitrification in human-impacted areas of Ashtamudi estuary, Kerala, India</p> <p>J.H. Salahudeen*¹, R.R. Reshmi¹, K. Deepa Nair², E.J. Zachariah², S.G.T. Vincent¹, ¹University of Kerala, India, ²National center for earth science studies, India</p>
[P2.050]	<p>Biogeochemical transformations in surface sediments of the Baltic Sea</p> <p>M. Lipka*¹, B. Liu¹, J. Kallmeyer², I. Schmiedinger¹, M.E. Böttcher¹, ¹Leibniz Institute for Baltic Sea Research Warnemuende, Germany, ²German Research Centre for Geosciences Potsdam, Germany</p>
[P2.051]	<p>Controls of element fluxes across the sediment-water interface and associated stable isotope effects in the euxinic Black Sea</p> <p>M. Lipka*, M.E. Böttcher, O. Dellwig, I. Schmiedinger, <i>Lebniz Institute for Baltic Sea Research, Germany</i></p>
[P2.052]	<p>Estimating the $\delta^{13}\text{C}$ of phytoplankton in aquatic systems</p> <p>N. Savoye^{1,2}, ¹University of Bordeaux, France, ²CNRS, France, ³MNHN, France, ⁴University of La Rochelle, France, ⁵Université du Littoral et de la Côte d'Opale, France, ⁶Université de Lille 1, France, ⁷Sorbonne Universités, UPMC Univ Paris 06, France, ⁸Université de Caen Basse Normandie, France, ⁹Université de Bretagne Occidentale, France, ¹⁰Université Aix-Marseille, France</p>
[P2.053]	<p>Submarine groundwater discharge: A source of P and DIC for the southern Baltic Sea and the role of an iron curtain</p> <p>M. Lipka*¹, Z. Wu¹, J. Sültenfuß², P. Escher³, I. Schmiedinger¹, U. Struck⁴, O. Dellwig¹, V. Winde¹, M.E. Böttcher¹, ¹Leibniz Institute for Baltic Sea Research Warnemuende, Germany, ²University of Bremen, Germany, ³Karlsruhe Institute of Technology, Germany, ⁴Natural History Museum Berlin, Germany</p>
[P2.054]	<p>Fresh water sources for the North German Coast: A multi-isotope approach</p> <p>M.E. Böttcher*¹, E.O. Böttcher², T.M.C. Böttcher³, J. Westphal¹, M. Lipka¹, I. Schmiedinger¹, V. Winde¹, ¹Leibniz IOW, Germany, ²Lüneburg, Germany, ³CvO University of Oldenburg, Germany</p>
[P2.055]	<p>Subterranean estuary, the activity in geological layers in a coastal barrier system in southern of Brazil</p> <p>C.M. da Rocha*^{1,2}, E.G. Barboza¹, L.F.H. Niencheski², ¹UFRGS, Brazil, ²FURG, Brazil</p>
[P2.056]	<p>Nutrient dynamics of submarine groundwater discharge near Jepara, Indonesia</p> <p>D. Adyasari*, N. Moosdorf, T. Oehler, <i>Leibniz Center for Tropical Marine Ecology, Germany</i></p>
[P2.057]	<p>Biogeochemistry of a coastal rewetted wetland - A multi-isotope approach</p> <p>F. Koebsch¹, B. Liu², I. Schmiedinger², A. Spitzky³, S. Koehler⁴, M. Koch⁴, G. Jurasinski⁴, M. Gehre⁵, S. Liebner¹, M.E. Böttcher⁴, J. Westphal*¹, ¹Helmholtz GFZ, Germany, ²Leibniz IOW, Geochemistry & Isotope Biogeochemistry, Germany, ³University of Hamburg, Biogeochemistry, Germany, ⁴University of Rostock, Landscape ecology, Germany, ⁵Helmholtz GFZ, Leipzig, Isotope biogeochemistry, Germany</p>
[P2.058]	<p>Terrestrial constraints on nutrient fluxes by fresh submarine groundwater discharge at global scale</p> <p>N. Moosdorf*¹, H.H. Dürr², ¹Leibniz Center for Tropical Marine Ecology (ZMT), Germany, ²University of Waterloo, Canada</p>
[P2.059]	<p>A bioconstruction potential index to assess Maldivian reefs following ocean warming and coral bleaching</p> <p>C.N. Bianchi*¹, M. Montefalcone¹, V. Parravicini², A. Rovere³, C. Morri¹, ¹University of Genoa, Italy, ²University of Perpignan, France, ³Leibniz Center for Tropical Marine Ecology, Germany</p>
[P2.060]	<p>Benthic-pelagic coupling and ecosystem functioning: The role of active and resting microbenthos</p> <p>F. Rubino*¹, T. Cibic², M. Rogelja², M. Belmonte¹, P. Del Negro², ¹CNR-IAMC (Consiglio Nazionale delle Ricerche - Istituto per l'Ambiente Marino Costiero), Italy, ²OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale), Italy</p>
[P2.061]	<p>Human driven alterations in seasonal dynamics of macroalgal assemblages, a field study from the Northern Patagonian Atlantic coast</p> <p>D. Molina¹, M.E. Orrego¹, M. Gastaldi¹, M. Narvarte¹, A. Fricke*¹, ¹Escuela Superior de Ciencias Marinas. Instituto de Biología Marina y Pesquera Almirante Storni. Universidad Nacional del Comahue, Argentina, ²Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina, ³Instituto Argentino de Oceanografía (IADO), Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina, ⁴Université Nice Sophia Antipolis, France</p>
[P2.062]	<p>Spatial changes on the composition and structure of fish assemblages in Guanabara Bay, Brazil</p> <p>M.C.R.N. Chaves¹, L.B. Seixas^{2,1}, L.R. Cruz², A.C.S. Franco^{3,1}, A.A. Bertoini*¹, L.N. Santos¹, ¹Federal University of Rio de Janeiro State (UNIRIO), Brazil, ²Fluminense Federal University (UFF), Brazil, ³Federal University of Rio de Janeiro, Brazil</p>

[P2.063]	<p>Spatial changes on the composition and structure of fish assemblages in the largest neotropical hypersaline lagoon</p> <p>M.T. Dumith¹, A.A. Andrade*², L.N. Santos², A.F.G.N. Santos¹, ¹Fluminense Federal University (UFF), Brazil, ²Federal University of Rio de Janeiro State (UNIRIO), Brazil</p>
[P2.064]	<p>Trophic structure of the fish assemblages in Guanabara Bay, a polluted estuary in Southeastern Brazil</p> <p>L.R. Cruz^{1,2}, A.A. Bertoncini*¹, L.N. Santos¹, A.F.G.N. Santos², ¹Fluminense Federal University (UFF), Brazil, ²Federal University of Rio de Janeiro State (UNIRIO), Brazil</p>
[P2.065]	<p>Trophic structure of the fish assemblages in Araruama Lagoon, the largest hypersaline system in Brazil</p> <p>L.R. Cruz¹, A.A. Bertoncini*², L.N. Santos², A.F.G.N. Santos¹, ¹Fluminense Federal University (UFF), Brazil, ²Federal University of Rio de Janeiro State (UNIRIO), Brazil</p>
[P2.066]	<p>Migratory behavior and habitat use of the Japanese eel <i>Anguilla japonica</i> in the Korean rivers by analysis of Sr:Ca ratios in otoliths</p> <p>T.W. Lee*¹, H.B. Hwang¹, J.M. Hong¹, W.O. Lee², M.Y. Song², Y.K. Hong², H.Y. Park², ¹Chungnam National University, Republic of Korea, ²National Institute of Fisheries Science, Republic of Korea</p>
[P2.067]	<p>Environmental quality assessment of a wetland area. Ten-years trend monitoring</p> <p>C. Maggi*, M.T. Berducci, M. Dattolo, A. Cozzolino, S. Mariotti, F. Novelli, V. Fabrizi, R. Spaziani, C. Virno Lamberti, <i>ISPRA- Institute for Environmental Protection and Research, Italy</i></p>
[P2.068]	<p>Influence of physical, chemical and nutritional factors in the spatio-temporal distribution of sandy beach benthic macrofauna in the Mediterranean Spanish coast</p> <p>J. Escrivá, J.P. Martín, M. Rodilla, V.D. Estruch, M.T. Sebastiá, S. Falco*, <i>Universitat Politècnica de València, Spain</i></p>
[P2.069]	<p>Geodiversity on the narrow continental shelf of Una, Eastern Brazil</p> <p>G.F. Carvalho-Souza*^{1,2}, A.S. Nunes^{1,3}, J.M.L. Dominguez¹, ¹Universidade Federal da Bahia (UFBA), Brazil, ²CAPES Foundation, Ministry of Education of Brazil, Brazil, ³UNIME, Brazil</p>
[P2.070]	<p>Impact of river discharge on the carbon cycle in marine ecosystems of Indonesia based on satellite and in-situ data</p> <p>I. Stottmeister*, H. Siegel, <i>Leibniz Institute for Baltic Sea Research, Germany</i></p>
[P2.071]	<p>Ciliate-zooplankton epibiosis in Africa's largest estuarine lake</p> <p>S. Jones*¹, N.K. Carrasco¹, A. Vosloo¹, R. Perissinotto², ¹University of KwaZulu-Natal, South Africa, ²Nelson, South Africa</p>
[P2.072]	<p>Presence of emergent pollutants (PPCPs) in sediments of a coastal lagoon in Baja California Sur, Mexico</p> <p>O.F. Becerra-Rueda*¹, A. Sánchez-González¹, S. Díez-Salvador², A.J. Marmolejo-Rodríguez¹, G.M. Rodríguez-Figueroa¹, S. Aguiñiga-García¹, ¹CICIMAR-IPN, Mexico, ²IDAEA-CSIC, Spain</p>
[P2.073]	<p>Changes in sedimentary environment quality in the lagoon of La Paz, Gulf of California: Benthic foraminifera as tracers</p> <p>A.A. Gómez-León, O.F. Becerra-Rueda*, A. Sánchez-González, D. Anguas-Cabrera, <i>CICIMAR-IPN, Mexico</i></p>
[P2.074]	<p>How far benthic quality assessment is impacted by reliability of species sensitivity values?</p> <p>R. Chušev*, D. Daunys, <i>Klaipeda University, Lithuania</i></p>
[P2.075]	<p>Physiological aspects of impacts due to environmental changes on coral reef species</p> <p>T. Azuma, <i>National Research Institute of Fisheries Engineering, Fisheries Research Agency of Japan, Japan</i></p>
[P2.076]	<p>Naphthalene and fluoranthene degradation under nitrate reduction conditions - Shifts on an indigenous estuarine microbial consortium</p> <p>H. Ribeiro*, T. de Sousa, J. Santos, C. Teixeira, P. Salgado, A.P. Mucha, C.M.R. Almeida, C. Magalhães, <i>CIIMAR – Interdisciplinary Center of Marine and Environmental Research, Portugal</i></p>
[P2.077]	<p>Effects of Copper on microbial denitrification and N₂O production in salt marsh sediments</p> <p>H. Ribeiro*, C.M.R. Almeida, T. Oliveira, P. Salgado, A.P. Mucha, C. Magalhães, <i>CIIMAR - Interdisciplinary Centre of Marine and Environmental Research, Portugal</i></p>
[P2.078]	<p>Growth and photophysiological responses of tropical and temperate <i>Ulva</i> species under a future changing ocean</p> <p>T.F. Grilo¹, B. Duarte*², P.G. Cardoso³, I. Caçador², R. Rosa¹, ¹MARE – Marine and Environmental Sciences Centre, Laboratório Marítimo da Guia, Faculdade de Ciências da Universidade de Lisboa, Portugal, ²MARE – Marine and Environmental Sciences Centre, Faculty of Sciences of the University of Lisbon, Portugal, ³CIIMAR – Interdisciplinary Centre of Marine and Environmental Research, University of Porto, Portugal</p>
[P2.079]	<p>Changes in the fatty acid profiles of tropical and temperate <i>Ulva</i> species under a warming and acidified scenario</p> <p>T.F. Grilo¹, B. Duarte*², C. Gameiro², A.R. Matos³, I. Caçador², R. Rosa¹, ¹MARE – Marine and Environmental Sciences Centre, Laboratório Marítimo da Guia, Faculdade de Ciências da Universidade de Lisboa, Portugal,</p>

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[P2.080]	Seagrass (<i>Zostera noltii</i>) fatty acid profile under climate change scenarios: Physiological and ecological insights B. Duarte* ¹ , C. Gameiro ¹ , A.R. Matos ² , T. Repolho ³ , G. Dionísio ³ , T. Grilo ^{3,4} , R. Calado ⁴ , R. Rosa ³ , I. Caçador ¹ , ¹ MARE – Marine and Environmental Sciences Centre, Faculty of Sciences of the University of Lisbon, Portugal, ² BioISI—Biosystems and Integrative Sciences Institute, Plant Functional Genomics Group, Departamento de Biologia Vegetal, Faculdade de Ciências da Universidade de Lisboa, Portugal, ³ MARE – Marine and Environmental Sciences Centre, Laboratório Marítimo da Guia, Faculdade de Ciências da Universidade de Lisboa, Portugal, ⁴ Departamento de Biologia & CESAM, Universidade de Aveiro, Portugal
[P2.081]	Comparative analysis of the implementation of ICZM approach on Spanish and Russian coasts M. Yamkovaya* ¹ , P.F. Carrasco ¹ , A. Valls ² , F.M. Martins ³ , ¹ University of Cadiz, Spain, ² Polytechnic University of Madrid, Spain, ³ University of Algarve, Portugal
[P2.082]	New integrated framework to grasp transforming science-politics ‘coupling practices’ in participatory coastal zone management C. Carter* ¹ , D. Salles ¹ , A. Thomas ¹ , N. Caill-Milly ² , G. Morandeu ² , I. Auby ³ , H. Oger Jeanneret ³ , ¹ Irstea, France, ² Ifremer Anglet, France, ³ Ifremer Arcachon, France
[P2.084]	Is environmental change a primary cause of migration? Empirical evidence from coastal communities in Ghana and Indonesia C. Goldbach*, A. Schlüter, ZMT Bremen, Germany
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[P2.088]	Potentially mobile heavy metals assessment in the surface sediments of the nine estuarine systems from Rio Grande do Norte coast - Brazil B.W. Grotto ¹ , E.M. Fonseca* ¹ , J.A. Baptista Neto ¹ , C.A.R. Silva ^{1,2} , ¹ Universidade Federal Fluminense, Brazil, ² Rio Grande do Norte Federal University, Brazil
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[P2.090]	Collective action in a tropical estuarine lagoon: Adapting Ostrom's SES framework to Ciénaga Grande de Santa Marta, Colombia A. Schlüter* ^{1,2} , L. Torres Guevara ¹ , ¹ Leibniz Centre for Tropical Marine Ecology, Germany, ² Jacobs University, Germany
[P2.091]	Integrated modelling of water quality targets for the south-western Baltic Sea R. Friedland ¹ , ¹ Leibniz Institute for Baltic Sea Research Warnemünde, Germany, ² State Agency for Environment, Nature Conservation and Geology Mecklenburg-Vorpommern, Germany, ³ Leibniz-Institute of Freshwater Ecology and Inland Fisheries Berlin, Germany, ⁴ Ministry of Energy, Agriculture, the Environment and Rural Areas Schleswig-Holstein, Germany, ⁵ German Environmental Agency, Germany, ⁶ State Agency for

	<i>Agriculture, Environment and Rural Areas, Germany, ⁷Marine Science & Technology Center, Klaipeda University, Lithuania, ⁸The Coastal & Marine Union Germany, Germany</i>
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[P2.097]	Loads, ecological stoichiometry and annual budgets of N, Si and P in a dystrophic estuary I. Lubiene* ¹ , M. Zilius ¹ , G. Giordani ² , J. Petkuvienė ¹ , D. Vaiciute ¹ , M. Bartoli ^{2,1} , ¹ <i>Klaipeda University, Lithuania, ²University of Parma, Italy</i>
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[P2.101]	Anoxia-mediated release of dissolved organic matter from Baltic coastal sediments stimulate further hypoxia H.E. Reader ¹ , C.A. Stedmon* ¹ , P. Kowalczuk ² , A. Magnusson ¹ , ¹ <i>Technical University of Denmark, Denmark, ²Polish Academy of Science, Poland</i>
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[P2.104]	The benthic biogeochemistry in the subtropical Beibu Gulf, South China Sea: A stable isotope and modelling study B. Liu ¹ , Z. Wu ^{1,2} , N. Kowalski ¹ , P. Escher ¹ , M. Lipka* ¹ , M.E. Böttcher ¹ , ¹ <i>Geochemistry & Biogeochemistry, Germany, ²Tongji University, China</i>
[P2.105]	Extending memory - providing long-term environmental change from palaeo-records of estuaries to inform more appropriate management J.M. Reeves*, P.A. Gell, A.J. Trewarn, A. Bonica, <i>Federation University Australia, Australia</i>
[P2.106]	A contribution to the understanding of long-term ecology and dynamics of the mangrove forests in Jambi, Sumatra, Indonesia C. Setyaningsih* ¹ , S. Biagioni ¹ , A. Saad ² , S. Sabiham ³ , H. Behling ¹ , ¹ <i>Georg-August-University Goettingen, Germany, ²University of Jambi, Indonesia, ³Bogor Agriculture University (IPB), Indonesia</i>
[P2.107]	Oxygen isotopes in echinoid spines and their potential as a high-resolution paleoenvironmental archive for tropical and sub-tropical upwelling regions P. Müller* ¹ , C. Reymond ¹ , P. Siegel ² , H. Westphal ¹ , ¹ <i>Leibniz Center for Tropical Marine Ecology (ZMT), Germany, ²University of Bremen, Germany</i>