

## Day 0 - Sunday, 17 May 2026

17:30 - 19:30 Welcoming drink at IST Garden, next to the Conference Venue (entrance in IST North gate)

## Day 1 - Monday, 18 May 2026

08:30 Registration / Poster installation (Venue)

09:45 Opening session

10:00 **KN1 Hermann W. Bange, GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany**  
Estuarine and coastal biogeochemistry of nitrogen, carbon and sulphur

10:30 **OC1** Isotopic tracers of spatio-temporal reactivity of inorganic carbon across the land-sea transition zone (SW Spain)  
**Eva Capilla García, Ana Sierra Padilla, Jairo Sanchez Rodriguez, Bea Vallejo, Mari Carmen Fernandez Puga, Jesus Forja Pajares, Tedoroa Ortega Diaz**

10:45 **OC2** CO<sub>2</sub> and CH<sub>4</sub> variability in saltmarshes and mangroves ecosystems along Eastern Australia  
**Ana Sierra Padilla, Mona A. Andskog, Joanne M. Oakes**

11:00 **OC3** Sources, drivers and impact of coastal acidification in Ria de Vigo (Rias Baixas, NW Iberian Upwelling System)  
**Cristina Sobrino, Castro-Olivares, A., Mar Clerencia, Paulo Alcaraz-Rocha, Sara Gómez-Roldán**

11:15 Coffee Break / Posters

11:45 **OC4** Development of an unmanned surface vehicle (USV) for monitoring the marine surface microlayer (SML)  
**Nikolaos Katsikatsos, Aikaterini Sakellari, Theodora Paramana, Georgios Katsouras, Sotirios Karavoltos**

12:00 **OC5** Sampling the Sea Surface Microlayer: A Comparative Study of Rotating Drum and Glass Plate Methods for Contaminant Characterization  
**Ana-Marija Cindrić, Veronique Lenoble, Saša Marcinek, Clara Dignan, Benjamin Oursel, Manon Lagarde, Romain Bordenave, Laura Morel, Coraline Mattei, Noah Marko Mesić, Dario Omanović**

12:15 **OC6** Occurrence and distribution of pollutants in the marine surface microlayer of an intensely industrialized coastal area in the Eastern Mediterranean  
**Nikolaos Katsikatsos, Aikaterini Sakellari, Dario Omanović, Theodora Paramana, Konstantinos Koukoulakis, Georgios Gkotsis, Sevasti Panagiota Kotsaki, Nikolaos Thomaidis, Evangelos Bakeas, Sotirios Karavoltos**

12:30 Lunch break

14:00 **KN2 Marta Martins, NOVA FCT, Portugal**  
Aquatic Pollution – From Chemicals to Microplastics: Impacts on Biota and Human Health

14:30 **OC7** Microplastics in the Portuguese coast  
**Carla Palma, Matilde São Pedro, Sofia Quendera, José Miguel Almeida, Vanessa Morgado, Ricardo Silva**

14:45 **OC8** The Role of Plastisphere Surface Chemistry in Marine Trace Metal Transport  
**Romain Bordenave, Tanguy Parinaud, Lolita Bernardi, Ana-Marija Cindrić, Jean-François Briand, Veronique Lenoble, Annick Ortalo-Magné**

15:00 Poster flash talks

**P01** Greenhouse gases variability and emissions in different coastal systems of SW Iberian Peninsula  
**P02** Isotopic composition of dissolved inorganic carbon in coastal sediment porewater: a methodological approach  
**P03** Characterization of dissolved organic matter in the La Paz coastal lagoon, BCS, Mexico  
**P04** Tidal effects on water quality and phytoplankton communities in the Sado Estuary  
**P05** Ecological status assessment based on dissolved nutrients and phytoplankton in the Sado Estuary (2018–2023)  
**P06** Seasonal–tidal forcing of hydrographic and oxygen dynamics in a tropical estuary – Bons Sinais (Mozambique)  
**P07** Antifouling booster biocides in sediments of tropical estuaries in Pernambuco, Brazil  
**P08** Assessment of plastic pollution in Namibe Bay, Angola  
Identification and characterisation of microplastics in environmental matrices (water, biota and beach sediment) of Namibe Bay, Angola  
**P09** Removal of per- and polyfluoroalkyl substances (PFAS) by biochar derived from marine plastic litter  
**P10** Effects of co-exposure to microplastics and mercury on the estuarine amphipod Gammarus locusta  
**P11** Mercury contamination in surface sediments of the southwestern Portuguese continental shelf: implications for good environmental status  
Metal distribution and contamination from abandoned W–Sn mining in sediments of the Ria de Muros (NW Iberian Peninsula)  
**P12** Behaviour and distribution of redox-sensitive elements (V, U, Mo) in sediments of the Krka River Estuary (Croatia)  
**P13** Recording the Anthropocene: trace metal fingerprints in the Tagus prodelta  
**P14** Fluvial and wastewater fluxes of dissolved and particulate silicon to the Ria de Vigo (NW Iberian Peninsula)  
**P15** Rare earth elements patterns as tracers of geochemical processes in subterranean estuaries (Pontevedra Ria, NW Iberian Peninsula)  
**P16** Rare earth elements as a tool to identify bivalve production areas  
**P17** Rare earth element accumulation in polychaetes across different feeding strategies  
**P18** Cisplatin in ecotoxicological research: analytical challenges in aquatic systems  
**P19** A revised guide to quantify platinum-group elements in the environment  
**P20**  
**P21**

16:00 Coffee Break / Posters

16:30 **OC9** Optical properties of Organic Matter in tropical estuaries under anthropogenic influence  
**Fiamma Eugénia Lemos Abreu, Eliete Zanardi Lamardo**

16:45 **OC10** Irbesartan as a Marker of Pharmaceutical Contamination in Marine Sediments  
**Mário Mil-Homens, Sara Leston**

17:00 **OC11** Do Wildfires Trigger Reproductive Toxin Release in Estuaries?  
**Hannah S. Fitzhugh, Marcos D. Mateus**

17:15 Closing for the day and guide to

17:30 Visit Terrace - South Tower

## Day 2 - Monday, 19 May 2026

08:55 Meeting at IST chairs just aside the conference building, Civil Eng. Dept (IST West entrance)

09:00 Leave to Sintra by bus

10:00 Team building activity – Visit Sintra

12:30 Lunch

14:30 Leave Sintra by bus to the Alcântara recreational dock

15:30 Boat trip in the Tagus estuary on board the Tall Ship

17:30 Returning to IST by bus

20:00 Conference dinner with typical Portuguese ‘petiscos’, drinks and Fado, at the Associação de Fado Casto

## Day 3 - Monday, 20 May 2026

09:30 **KN3 Huy Duc Hang, Trent University, Canada**  
Critical minerals: a central role in the green transition, but also a fragmented understanding of their biogeochemistry in transitional environments

10:00 **OC12** Current understanding of copper redox speciation in estuarine waters: The example of Krka River estuary  
**Dora Crmarčić, Saša Marcinek, Ana-Marija Cindrić, Dario Omanović, Elvira Bura-Nakić**

10:15 **OC13** In situ monitoring of the diurnal cycling of bioavailable mercury(II) in a stratified estuary  
**M.-L. Tercier-Waeber, L. Maloroli, D. Omanović, A.-M. Cindrić, A. Rodrigues, L.-E. Heimbürger-Boavida**

10:30 **OC14** Reactive dissolved nickel distribution in the Northwest Brazilian Continental Shelf: high versus low river discharge periods and the specific role of mangrove forests  
**Cristian H. Krause, Nico Fröhberg, Leandro M. de Carvalho, Alexandre B. Schneider, Andrea Koschinsky**

10:45 **OC15** Biogeochemical processes and fluxes of trace metals from the Amazon-Pará river system and the mangrove belt into the Atlantic: high and low discharge conditions compared  
**Andrea Koschinsky, Adrian Hollister, Caitlyn Kelly, Alexandre B. Schneider, Nico Fröhberg, Cristian H. Krause, Leandro M. de Carvalho**

11:00 Coffee Break / Posters

11:30 **OC16** Implications of REE speciation in soil–plant seagrass meadows  
**Ingrid CM SEna, Lais A Souza, Vanessa Hatje**

11:45 **OC17** Geochemical Behavior and Fractionation of Rare Earth Elements Along the Stratified Krka River Estuary  
**Saša Marcinek, Justin Auther, Ana-Marija Cindrić, Dario Omanović**

12:00 **OC18** Anthropogenic gadolinium: an emerging contaminant or an environmental monitoring tool?  
**Patricia Gaspar, Pedro Brito**

12:15 **OC19** Tracing Gadolinium Anomalies in the Vigo Ria (NW IBERIAN PENINSULA): Experimental Insights from Gadolinium-Based Contrast Agents (GBCAs)  
**Clara Mendoza Segura, Antonio Cabelo Garcia**

12:30 **OC20** Contrasting redox pathways of platinum mediated by natural organic matter and microorganisms  
**Justine Le Doaré, Marc Benedetti, Aurore Gorlas, François Guyot, Alexandre Gelabert, Gautier Landrot, Rémi Marsac, Charlotte Catrouillet**

12:45 **OC21** Preliminary study on tellurium redox speciation in pristine and industrially impacted estuaries  
**Lucija Knezevic, Andrea Koschinsky**

13:00 Lunch break

14:30 **KN4 Pedro Morais, University of Texas Marine Science Institute, USA**  
Biological Invasions and Estuarine Biogeochemistry

15:00 **OC22** Spatial and Temporal Dynamics of the Phytoplankton Community in the Sado Estuary  
**Joana Patricia Cabral Cruz, Joshua Alexander Heumüller, Beatriz Biguino, Filipa Afonso, Carlos Borges, Carla Palma, Ana Cristina Brito**

15:15 **OC23** Tracking Changes in Portuguese Estuaries: the CoastNet Perspective  
**Rui Cereja, Joana P. C. Cruz, Luciane Favareto, Carlos Alexandre, Helena Adão, Bernardo Quintella, Paula Chainho, Susana França, José L. Costa, Ana C. Brito**

15:30 **OC24** From Data to Protection: High-Resolution Monitoring Supporting Bivalve Aquaculture in Ria Formosa  
**Alexandra Cravo, Erwan Garel, José Jacob, Ernestina Rodrigues, Marta Rodrigues**

15:45 **OC25** Seasonal hydrographic structure and nutrient dynamics in the Zrmanja River Estuary  
**Neven Cukrov, Dora Crmarčić, Tomislav Bulat, Marin Lovrić, Ante Šiljeg**

16:00 **OC26** Evidence for intense benthic–pelagic coupling in the Galician rias  
**J. Severino P. Ibáñez, Esther Barber-Lluch, Carolina Gil-Lozano, Pablo Álvarez Chaver, Christian Martin Moreira, Silvia Torres López, Nicolás Villacieros-Robineau**

16:15 Coffee Break / Posters

16:45 **OC27** Biogeochemical Interactions and Dynamics in Metal-Contaminated Estuarine Sediments  
**M. Dolores Basallote, Eva Pakostova, Carmen Neculita, Saša Marcinek, Julián Blasco, Carlos R. Cánovas**

17:00 **OC28** Long-term variation in trace metals concentrations in the sediments of Sado estuary (Portugal) (1986–2020)  
**José Miguel Almeida, Carla Palma, Pedro M. Félix, Ana C. Brito**

17:15 High-resolution spatial distributions of toxic metals within intertidal mudbanks of a contaminated estuary (Aulne, Bay of Brest)  
**OC29**  
**Loïc Madec, Matthieu Waeles, Jérôme Goslin, Nicolas Briant**

17:30 Closing session (Venue)