

# POSTER SESSION

## SESSION 1: GEOLOGY, EROSION, TRANSPORT AND SEDIMENTATION

# 7	Changes in Sediment Accumulation associated with a seagrass declines in a temperate tidal lagoon	Sabine Schmidt
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## SESSION 2: PHYSICAL OCEANOGRAPHY, CLIMATE-OCEAN RELATIONS

#60	Characterization of meteorological sea level residuals for coastal early warning in the Basque Country	Santiago Gaztelumendi
#61	Exploring Mean Sea Level Variability for Coastal Flood Risk Assessment along the Basque Coast	Santiago Gaztelumendi
#86	The Portuguese man-of-war in the blue summer of the Bay of Biscay	Luis Ferrer
#98	Extreme Tide Event Simulation in the Basque Coast Using SCHISM	Santiago Gaztelumendi

## SESSION 3: BIOGEOCHEMICAL CYCLES

#57	Vertical chlorophyll-a structure under varying physical conditions: Insights from three glider missions in the southeastern Bay of Biscay	Marina Chifflet
#64	Early diagenetic processes on a multi-century timescale in the West Gironde Mud Patch (Bay of Biscay, NE Atlantic)	Bruno Deflandre
#65	Analysis of biogenic compounds in sediment interstitial water: how to measure NO <sub>3</sub> , NO <sub>2</sub> , NH <sub>4</sub> , PO <sub>4</sub> , Si, Fe, Mn, SO <sub>4</sub> , H <sub>2</sub> S, DIC, DOC, alkalinity, and salinity in 6 mL of water.	Pierre Anschutz
#97	Silica: the overlooked nutrient in saltmarsh biogeochemistry	Paul Kanfer
#99	Metabolic cooperation between <i>Ostreopsis</i> and associated microorganisms: implications for the sulfur cycle.	Sarah Sadorge
#115	Nutrient exchanges across sediment-water interface, the role of resuspension events	Aubin Thibault De Chanvalon
#148	Spatiotemporal variability of nutrient pollution in a mesotidal river-estuary system: the Adour River-Estuary Continuum (Bay of Biscay)	Bahar Rezaei

## SESSION 4: BLUE TECHNOLOGIES

#27	Sedimentological and geophysical characterization of offshore wind farm sites: from data acquisition to exploitation.	Elyna Clement
#28	Sedimentological and geophysical characterization of offshore wind farm sites in the Bay of Biscay.	Marie Laurent
#71	Tracking Endangered Marine Megafauna Across Years: Spatial Ecology Insights for Adaptive Marine Planning	Ana Cazali
#104	Seasonal variation in nutritional composition and metal content of four macroalgae species from the Bay of Biscay as a food source	Marina Salido
#112	Enhancing Carbon Fixation in <i>Tetraselmis chuii</i> through UV-Induced Mutagenesis for CO <sub>2</sub> Capture Applications	Esther Blanco Rayón
#142	Isolation, characterization, identification and screening of interesting biotechnological activities of marine fungi in different systems of the Bay of Biscay	Amaia Zarrabeitia Elorriaga

## SESSION 5: ANTHROPOGENIC EFFECTS, QUALITY ASSESSMENT AND ECOSYSTEM MANAGEMENT.

#21	Microbiological monitoring of bivalve mollusc harvesting areas in the Oka estuary (Northern Spain) following wastewater system improvements	J.German Rodriguez
#32	Assessing the Influence of Global Change Drivers on the Degradation Behavior of Common Plastics in Coastal and Marine Environments	Esteban Pascual-Parra
#33	Microplastics in Porifera: A Systematic Review	Esteban Pascual-Parra
#36	Linking Marine Ecosystems to Human Well-being: Cetacean Watching in the Basque coast	Aitziber Olano Arbulu
#38	Environmental health monitoring (2011–2023) in the Nerbioi estuary (SE Bay of Biscay): Evidence from contaminants and biological effects in Sole	Izaskun Zorita
#46	Analyzing pH trends across the Basque coast using high frequency Submersible Autonomous Moored Instrument and long-term observations	Ernesto Villarino
#48	Paradigmatic environmental responses to the Tributyltin (TBT) ban in the Bidasoa Estuary	Oihana Solaun
#49	Environmental Status of Organotin Compounds in Coastal and Port Areas of the Basque Country in 2025	Joana Larreta
#50	Assessment of open science practices in marine sciences: results of the ANR SODIO project	Sabine Schmidt
#67	From Compliance to Recovery: How Management Actions Restore Estuarine Fish Communities	Ainhize Uriarte
#74	Towards a multi-source satellite operational detection of vessels for activities and pressures identification and mapping	Asier Anabitarte
#88	Toward a population-based assessment of ecological status: methodological considerations based on the ELFI-C multi-metric index	Lespagnol Pierre
#93	Long-term (2014-2022) trends in polar contaminants of emerging concern (CECs) bioaccumulated in mussels, <i>Mytilus galloprovincialis</i> , from the Basque Coast	Miren Carnicero
#108	Physalians in the classroom: science communication and risk perception of <i>Physalia physalis</i> in educational settings	Deva Menéndez-Teleña
#114	Cumulative Effects Assessment in the Bay of Biscay: Integrating EMODnet Data within the Tikta Software	Oihana Solaun
#116	Toluidine-eosin staining proposal for tissue biomarkers in oysters ( <i>Magallana gigas</i> )	Esther Blanco Rayón
#120	Can size-spectra models improve fisheries management under an ecosystem approach? The European Atlantic demersal community case study	Anxo Paz
#121	Reversal of severe feminization due to exposure to xenoestrogens in <i>Chelon labrosus</i> from the Urdaibai estuary one year after the closing of the wastewater treatment plant of Gernika	Ibon Cancio
#138	Mechanisms of organic contaminants degradation in porewater via aphotic Fenton reaction	Simon Negre
#139	Role of aphotic Fenton reaction in natural degradation of organic contaminants in porewaters	Simon Negre
#143	Marine plastics as hotspots for antibiotic-resistant bacteria in coastal and estuarine systems of the Bay of Biscay	Amaia Hernandez Fernandez De Retana
#153	Microplastic abundance and characterization in different environmental compartments of the Urdaibai Biosphere Reserve	Nerea Garcia-Velasco
#159	Spatial Risk Assessment and Conservation Strategies for Benthic Habitats along the Spanish North Coast	Corinna Lange
#165	THE BESITO TRAIT LIST. AN UPDATED LIST OF BIOLOGICAL TRAITS FOR SPANISH BENTHIC FAUNA	Ana Antolínez
#167	Inclusive citizen science as a tool for monitoring anthropogenic impacts on coastal ecosystems: insights from plastic pollution across the Basque coast	Zuriñe Baña

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## SESSION 6: FISHERIES AND AQUACULTURE.

#4	Size-structured spatio-temporal dynamics of the Bay of Biscay anchovy fishery	Iosu Paradinas
#11	Evaluating the effects of octopus trap fisheries on benthic habitats and vulnerable species in the Cantabrian Sea	Marina Prieto Amador
#14	Systematic Assessment of PET Bycatch in a Highly Selective Artisanal Tuna Fishery of the Northeast Atlantic	Maite Louzao
#19	Could collaboration between scientists and fisheries managers improve traceability and reduce mislabelling in the skate and ray trade of the Bay of Biscay? Evidence suggests it can.	Clara Piedrafita Zubillaga
#34	Management Strategy Evaluation of Bay of Biscay anchovy incorporating size trends and recruitment uncertainty	Leire Citores
#41	Analysis of the temporal variability of maturity ogives for the Southern component of the Northeast Atlantic Mackerel ( <i>Scomber scombrus</i> ).	Paula Sancho-Martínez
#42	Decoding the Biological and Environmental Drivers of European Sardine Spawning: A 26-Year Perspective from the Southern Bay of Biscay	Patricia Cortegoso-Xavier
#43	Interdisciplinary workshop on Fisheries Data Visualization and Adaptation Strategies under global changes: students' point of view	Nathalie Caill-Milly
#59	Use of Semi-Pelagic Trawl Doors in the Bay of Biscay: Impacts on Catches, Fuel Consumption and Seabed Contact	Elsa Cuende De Francisco
#90	Challenges of acoustic monitoring in a changing ocean: Simulating the impact of depth-dependent target strength on Bay of Biscay anchovy	Guillermo Boyra
#105	Long-Term Changes in Life-History Traits of Atlantic Horse Mackerel ( <i>Trachurus trachurus</i> ) in the Southern Bay of Biscay (2007–2025)	Carmen Hernández
#106	The Quota Paradox: Larger TAC Shares Do Not Guarantee More Sustainable EU Fleets in the Bay of Biscay	Mary Grace Catapang
#111	Cardiac Biologging of Atlantic Bluefin Tuna in a Novel BFT Fattening Cage in the Bay of Biscay	Iñigo Onandia
#126	Tracking Time-Varying Productivity in Bay of Biscay and Celtic Sea Fish Stocks using Peterman's Productivity Method	Adrian Mencia
#127	BYGUARD: a multi-taxa spatiotemporal tool to support bycatch reduction in the Bay of Biscay	Isabel García-Barón
#132	Fine-Scale Mapping of Mackerel Catches in the SE Bay of Biscay using AIS data	Nerea Goikoetxea Bilbao
#157	Health status assessment of long-line cultured mussels on the Basque coast	Markel Montaña Lekue
#174	Assessing the vulnerability of common dolphin population to bycatch	Amaia Astarloa

## SESSION 7: BIODIVERSITY, STRUCTURE AND FUNCTIONING OF ECOSYSTEMS

#8	Layers of Resilience: Using eye lens isotopic archives to reconstruct predator life-histories in the Bay of Biscay.	María Díez Muñoz
#9	Life-history migrations through the eyes of Atlantic mackerel	Juan José Ortiz García
#12	Too Soon to Save: The Hidden Cost of Acting Without Knowledge of Species Interdependence	Muhammad Umer Gurchani
#16	Is DNA metabarcoding an option for formaldehyde-preserved zooplankton time series?	Aitor Albaina
#20	How citizen science contributes to knowledge about biodiversity Northward expansion of species of nudibranchia order (mollusks) in the southern part of the Bay of Biscay (Basque coast)	Marie-Noëlle De Casamajor
#26	Rapid homogenization of subtidal rocky macroalgal assemblages following the invasion of <i>Rugulopteryx okamurae</i> in a port environment	Nahiara Muguerza
#30	CARTAV: Characterisation of green algae in intertidal habitats along the Basque coast	Muriel Lissardy
#44	CIRCACAV - Biodiversity and functioning of remarkable habitats « underwater caves » and « gorgonian reefs » Marine Protected Area FR7200813 " Rocky Basque coast and offshore extension"	Marie-Noëlle De Casamajor
#51	Colour polymorphism in the sea anemone <i>Anemonia viridis</i> in the intertidal zone of Asturias (Spain): a new colour morph	Silvia De La Uz
#52	Adaptation of the EBQI approach to the Bay of Biscay to characterize the ecological status of the "underwater cave" habitat. Marine Protected Area case FR7200813 " Rocky Basque coast and offshore extension"	Antoine Laudet
#53	Gaining perspective: Lessons learnt from three decades of trophic sampling in the Bay of Biscay	Saúl Gómez-Serna
#63	Morphological and Developmental Stages of Embryogenesis and Larval Growth in <i>Postentherogonia orbicularis</i>	Emma Shorter Rodríguez
#66	Allometric scaling of biological sailing in <i>Physalia physalis</i>	Fernando Taboada
#72	CARTOGOUEF: A Multi-Source Approach to Benthic Habitat Mapping in the Capbreton Canyon	Léa Marmion
#73	Uncovering overlooked biodiversity in the Bay of Biscay: Cyclophora in two decapod species	Andrés Arias
#78	Are TRANSPORT processes regulATING the recruitment and size of European anchovy in the Bay of Biscay?	Beñat Iglesias
#81	Exploring changes in the distribution of seabirds and cetaceans in the Bay of Biscay: relationship with local climate changes and regime shift.	Emilie Milon
#101	Updating diversity and ecology of <i>Eusirus</i> species (Crustacea: Amphipoda) in the Bay of Biscay	Inma Frutos
#102	A recent new discovery, from two vintage expeditions, in the deepest Bay of Biscay	Inma Frutos
#103	<i>Chelator insignis</i> (Crustacea: Isopoda) as deep-sea host for <i>Trophomera</i> (Nematoda: Benthimermithidae) in the Bay of Biscay	Inma Frutos
#119	HARMFUL PHYTOPLANKTON IN THE PORT OF BILBAO (2024-2025)	Laia Moreno Martínez
#135	First record of mortality derived from plastic ingestion in a juvenile <i>Kogia breviceps</i> in the Bay of Biscay	Denis Benito
#137	The macroalgal community composition at Ondarreta beach (San Sebastian) influences the abundances of <i>Ostreopsis</i> spp.	Yago Laurens-Balparda
#141	Assessing Spatial Variability of Algal Turfs Across Multiple Scales	Julia Muñoz-Acero
#151	Microbial drivers of carbon storage and greenhouse gas fluxes in Blue Carbon Ecosystems	Raquel Liébana
#154	John Dory: environmental and fishing drivers along 4 decades in the northern Spanish shelf	Marian Blanco
#155	An updated assessment of Porifera diversity in Spanish waters: the Bay of Biscay as a key region	Laura García-Guillén
#158	Benthic Biodiversity of El Cachucho: Insights from the First Marine Protected Area in the Southern Bay of Biscay	Laura García-Guillén
#160	Benthic habitat mapping and sensitivity assessment in a candidate marine protected area on the Cantabrian shelf, southern Bay of Biscay	Berta Ramiro
#162	New insights into the diversity and bathymetric distribution of Scaphopoda in the Central Cantabrian Sea and the Avilés Canyons System	Omar Sánchez Fernández
#163	Exotic Gastropods of the Northern Iberian Peninsula: A Critical Review	Omar Sánchez Fernández
#166	Characterization of recurrent blooms of the dinoflagellate <i>Adenoides sinensis</i> at a beach in the Basque coast	Aitor Laza-Martínez
#168	Temperature sensitivity and environmental regulation of key extracellular enzymatic activities in Bay of Biscay: implications for biogeochemical stoichiometry under climate change	Zuriñe Baña
#169	Range expansion and shifting aggregation dynamics of tub gurnard <i>Trigla lyra</i> (Scorpaenoidei: Triglidae) in the Cantabrian Sea (1993–2025)	Juan Carlos Arronte
#171	Untangling the <i>Aphanopus</i> Species Complex: Implications for Fisheries Management	Javier Martínez Pérez
#172	New insights into the diversity of mesopelagic fishes in the Central Cantabrian Sea and the Avilés Canyon System	Javier Martínez Pérez
#173	From juveniles to adults: wavelet analysis reveals regional otolith contour patterns in <i>Trachurus trachurus</i>	Javier Martínez Pérez