

WCMB 2026 - DRAFT AGENDA - SESSION LEVEL - POSTERS OVERVIEW - Version 31 July 2026

Continuous poster display -Tuesday 17/11 & Wednesday 18/11

1.1. Marine Life 2030: Advancing UN Ocean Decade Challenge 2 Protect and Restore Ecosystems and Biodiversity

Quantifying coral reef benthic communities and structural complexity using photomosaic-based frameworks.	Alexandra De León
Shallow Corals as a Seed Source for Restoration: A Nature-Based Strategy for Climate Change Adaptation	Maria Helena Benavides-Marchena
How environmental conditions influence carbon uptake and growth in mudflat benthic diatoms	Robbe Paepen
Climate Change Impacts on Coastal Ecosystems: Field Observations from the East Coast of Cotonou, Benin, Supporting UN Ocean Decade	Guendehou Ferdinand Jean Consummatum (unconfirmed)
Conserving Coelacanths, Restoring Ecosystems, and Building Community Livelihoods	Eva Msella (unconfirmed)
Restoring Coastal Biodiversity Through Community-Driven Nature-Based Solutions Under the Marine Life 2030 Framework	Chinomso Onwubiko (unconfirmed)

1.2. Leveraging Public-Private-partnerships and Innovative Technology in Marine Ecosystem Restoration

From Electrolysis to Ecosystems: Implementing a Modular Coral Nursery in the Mediterranean using the Mineral Accretion Technique	Gabriel Rivas-Mena
Quantifying and Mapping Chemical Risk in North Sea Marine Fish Communities	Harry Bond-Taylor

1.3. Sustainable Ocean Biodiversity through Mapping, Technological Deployment, and Restoration Initiatives

Harnessing Nature-Based Solutions and Technological Innovations for Biodiversity Conservation in Africa	Christian Brown
Functional response to environmental variation in an exotic reef-building bivalve	Pieter Riesenkamp
Harnessing Ocean-Climate Technologies for Sustainable Biodiversity Mapping in West Africa	Doris Aforkor Odai
Exploring Eastern Oyster Settlement and Species Biodiversity on Artificial Oyster Reef Brick Structures	Linnae Boehme
Community Participatory mapping on LMMA (Collaborative Fisheries management areas CFMA, and Reef closed areas) to achieve 30 by 30 goal- CASE Kilwa, Mkuranga- Tanzania	Kaitira Benard (unconfirmed)
Integrating Geospatial Mapping and Nature-Based Solutions for Sustainable Coastal Biodiversity and Resilience	Chinomso Onwubiko (unconfirmed)

1.4. Minimizing the Impact of Ocean Acidification on Marine Biodiversity: The Way Forward

Effects of Ocean acidification on recovery from coral bleaching in the reef-building coral <i>Acropora tenuis</i>	Davide Battini
Acclimation of female gastropod <i>Hexaplex trunculus</i> after long-term exposure to low pH: oxygen consumption as a proxy for metabolic response	Sanja Grđan

1.5. Enhancing ocean data sharing: Addressing data gaps in marine biodiversity through the Ocean Decade

Shining a light on Elasmobranch Diversity in a Data-Poor Context: Insights from Fishery Landings in Cameroon	Yvanne Fetra Metiegoum Kuekamdzia
Leveraging Web Technologies for Open Biodiversity Data	Katrina Exter
Unlocking Philippine marine biodiversity through the development of the Marine Biodiversity Resources and Information System (MBRIS) database	Joselito Tabardillo
DNA Barcode Coverage of Lusitanian Sea Anemones Reveals Major Gaps in Molecular Reference Databases	Ana M. Pereira

1.6 From Local to Global: Scaling National Marine Biodiversity Best Practices

Assessing the Feasibility of a CARLIT-Based Rapid Assessment Methodology for the Littoral Fringe of Utila Island, Caribbean Honduras	Nuria Navarro
Community-led Marine Biodiversity Conservation and Monitoring in Shisiwani National Park, Comoros: Scaling Local Practices for Ocean Decade Goals	Youssef Ben Ali Abdallah

2.1. Marine Mammals in the Anthropocene: Navigating Challenges, Shaping Recommendations

An interactive data-driven platform to assess ship-whale collision risk in the Northeast Atlantic Ocean	Adriano C. Lima
Optimizing gut microbiome sampling workflows in harbour seals for reliable metagenomic profiling	Broos Van de Moortel
Participatory monitoring and conservation of whales and dolphins in Cabo Verde Archipelago	Edita Magileviute
Bottlenose dolphins as sentinel species of community-level dynamics at artificial marine structures: a multi-sensor framework	Sofia Rinalduzzi
Occurrence and aggregation dynamics of bottlenose dolphins (<i>Tursiops truncatus</i>) on an Eastern Tropical Pacific Oceanic Marine Protected Area	Sebastián Fernández Martínez (unconfirmed)
Cumulative Anthropogenic Impacts on the Guiana Dolphin (<i>Sotalia guianensis</i>): implications for coastal conservation	Camila Domit (unconfirmed)

2.2. Marine Biodiversity at Risk: The Climate-Fisheries Nexus and the Future of Ocean Resources

Spatial overlap between habitat suitability and fisheries interaction risk for the loggerhead turtle (<i>Caretta caretta</i>) in the Moroccan Exclusive Economic Zone (1980–2024)	Zohayr Dibar
Conservation-priority setting to mitigate bycatch of endangered, protected and threatened species in North-Western Europe: a gap analysis	Sebastian Uhlmann
Environmental Drivers of European Hake (<i>Merluccius merluccius</i>) Recruitment and Physiological Condition: Identifying Critical Thresholds in Algerian Waters	Yousra Zaoui
Understanding environmental drivers of jumbo squid (<i>Dosidicus gigas</i>) fisheries in the Humboldt Current using data-driven modelling	Francisco Plaza-Vega
Centennial genomic biodiversity change in coral reef fishes	John Whalen (unconfirmed)

2.3. Towards a Holistic Understanding of Ecosystem Impacts of Renewable Energy Installations Across Space and Time

Contribution of hydrodynamic forcing in the modelling of trophic networks and long-term monitoring of Offshore Wind Farms	Lucia Dottin
From gravel to turbines: food web functioning on natural and artificial hard substrates in the North Sea	Abril Reynes Cardona
Renewable energy, power cables and mitigation measures in the Israeli Mediterranean Sea: a bibliometric map	Dovrat Reshef (unconfirmed)

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2.4. Assessing the Impact of Plastic Pollution on Marine Biodiversity

The impacts of abandoned, discarded and lost fishing gear on marine biodiversity in Morocco	Mohamed Keznine
Plastic-derived phthalate toxicity is amplified by marine heatwaves in sea urchin embryos: implications for ecological risk assessment	Chiara Martino
Phenotypic Plasticity of Carapace Coloration in Mole Crabs Across Natural and Anthropogenic Substrates	Esprit Heestand Saucier
Assessing the effects of microplastics on corals: A threat to the ocean's ecology	Md. Simul Bhuyan (unconfirmed)
PlasticTrack SL: A Citizen-Science Platform to Identify and Map Plastic Pollution and other litter Sources in Sri Lanka Using the Joint List of Categories and AI	Pawangi Jayathilaka (unconfirmed)

2.6 Integrating Biodiversity as a Measure of Seagrass Status in Monitoring, Conservation, and Restoration - Challenges and Opportunities

Biodiversity of seagrass-associated macrofaunal communities in the southwestern Black Sea over a ten-year period	Stefania Klajn
Leveraging seagrass holobiont for habitat conservation: a multiscale hybrid modelling approach	Alexandre Moreira
Assessing Coastal Seagrass Loss Using Satellite Constellations and potential field survey (eDNA) Integration	Takehisa Yamakita
Assessing temporal and seasonal changes in epifaunal communities associated with <i>Zostera marina</i> in southern Norway	Erin Karine Villanueva-Coronado
Effects of ocean warming and nutrient enrichment on eelgrass <i>Zostera marina</i> and associated invertebrate and epiphyte communities	Karine Gagnon

2.7. Challenges and opportunities of monitoring biodiversity through environmental DNA (eDNA): Understanding and Predicting the Behaviour and Fate of eDNA in Marine Environments

Using eDNA to unravel the ecological community patterns of remote and hard-to-access deep-sea ecosystems facing increasing anthropic pressure.	Benoit Penel
Elasmobranch detection in Spanish marine waters using eDNA: insights from active and passive sampling within the SHARK-RAY.Map project	Ruth Coya Testón
Seasonal variation in sedimentary DNA concentration of the clam-eating snail <i>Laguncula pulchella</i>	Kyosuke Kitabatake
Biodiversity Monitoring in Marine Forests Using Environmental DNA	Hae-Seo Noh

4.2. Citizen Science: A Critical Lever for a Deeper Knowledge of and a Wide and Global Support for Marine Biodiversity

Promoting Best Practices in Citizen Science: Documenting Endangered Seahorse Biodiversity through iNaturalist and Public Photography	Nuno Simoes
Social Networks, Legal Access, and Participation in Marine Citizen Science: An Environmental Sociology Comparison of the UAE and India	Ramprasad Mahurkar
Integrating citizen science and recreational fishing data for the monitoring of cephalopod biodiversity in Italian waters	Pietro Battaglia
From Soundscapes to Species: Citizen Science Insights into Marine Pollution and Biodiversity to Support UK Conservation Strategies	Leah Weatherup
How citizen science became instrumental for female researchers in assessing Libyan marine biodiversity: benefits and challenges	Jamila Rizgalla
From Rivers to Reefs: Youth Citizen Science and Storytelling for Marine Biodiversity Conservation	Charu G (unconfirmed)

4.4 Sensors, Stewards and Stories: A Low-Cost Revolution in Marine Biodiversity Monitoring

Monitoring Alpha and Beta Diversity of Marine Seaweeds in Selected Areas in the Red Sea, Egypt	Eman abdelrahman
Evaluating BRUV Feasibility for Indonesia's Expanding MPA Network	Jimmy Kalthor
A low-cost and open workflow for participatory cetacean bioacoustics: challenges and lessons learned	Lydia Chaparro
Underwater observation is crucial analyzing animal behaviour, where the introduction of low-cost 360° action cameras has significantly enhanced this aspect	Peter Ljungberg
Thermal Legacy: Low-Cost Sensors and AI-Driven Monitoring of Upwelling Refugia in the NW Iberian Peninsula	Rocio Nieto-Vilela
Harnessing the potential of low-cost monitoring tools in addressing marine biodiversity monitoring needs	Alexandra Kraberg (unconfirmed)

6.1. Strategic Knowledge Sharing: Unlocking the Potential of Marine Artificial Structures for Biodiversity

High-complexity artificial reefs that produce fish by increasing juvenile fish survivorship	Aaron Bartholomew
Artificial Reef Effects of Newly Constructed Islands in the Szczecin Lagoon (Baltic Sea): A Two-Year Study of Biodiversity Patterns	Brygida Wawrzyniak-Wydrowska
Fish Assemblage at Reef Ball Clusters of Sarawak, Malaysia	Wan Ruzzainie Wan Arman
Reef design drives fish community responses to artificial reefs along a hardened coastline	Britas Klemens Eriksson
Utilization of Industrial and Fisheries By-Products for Marine Forest Restoration	Hyung-Suek Kim (unconfirmed)

6.2. Science, outreach, capacity Building and Policy / Diplomacy the Role of the Global Network of Marine Stations

Building Capacity for Marine Biodiversity: 10 Years of the OTGA Colombia Experience	Paula Sierra Correa
Climate action policy blind spots in seabed carbon protection: A science-policy-practice assessment in Irish and EU waters	Charles Lucas Makio (unconfirmed)

6.4. Bright Spots and Bridge Building: Co-Designing Marine Biodiversity Knowledge to Inform Conservation, Stewardship, and Action

From co-design to impact: engaging stakeholders in marine ecosystem modelling with the NECCTON project	Olivia Fauny
SEAWATCH – Transforming fishing vessels into stewards to protect biodiversity through the integration of eDNA metabarcoding, satellite data and AI	Nadia Marinchel
Data-Driven Seatechnology: Strengthening Science-Policy Integration in Lawi, Guimaras MPA Management	Jose Marie Eslopior
Developing a Set of Ocean Biodiversity Key Performance Indicators (KPIs): A Practical Approach	Gabrielle Canonico
Shared Waters, Shared Knowledge: The ANEMONE Global Approach to eDNA Biomonitoring	Imane Sioud
Opportunistic sightings illuminate key areas for elasmobranchs in the Saudi waters of the Red Sea and Arabian Gulf	Abdulsalam Ardan

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6.5. Science-Policy Synergy: Lessons from EU Marine Conservation Projects

The importance of long-time series of benthic data for science and management	Silvana Birchenough
Bridging science and policy: advancing knowledge and tools for the conservation of sponge biodiversity across the Atlantic and Mediterranean	Joana Xavier
National Action Plan for Conservation of Marine Turtle in Tanzania (NAPCMT), strategies, and future direction for the period of 2029	Kaitira Benard (unconfirmed)

6.6. Preserve, Revive, Thrive: The Baltic Sea as a Test-Laboratory for the World's Oceans

Assessing the genetic diversity of Baltic Sea stoneworts (Chara spp.) — setting a framework to support global conservation and restoration goals	Roxana Preston
Spatial heterogeneity in Baltic coastal food webs shapes prospects for restoring marine biodiversity	Johan Eklöf
Ecological Novelty in Marine Food Webs: Insights from the Baltic Sea	Yosr Ammar

7.1. The Marine Biodiversity Observation Network (MBON): Advancing Marine Biodiversity Observations and Data Management

Leveraging marine biodiversity data to promote conservation and sustainable tourism	Adriano C. Lima
Operationalizing EBVs across the River–Sea Continuum: Insights from the MARCO-BOLO Readiness Assessment of four European monitoring systems	Mihaela Muresan
Benthic composition and Tropic Structure of Reef Fish Communities in Masoala National Park, Northeast Madagascar	Angelia Ramanantenasoa
Clustering enhances the resilience of a coastal ecosystem engineer	Femke de Ruiter
MarineGEO – A collaborative global marine earth observatory and monitoring network	Steven Canty
Comparative efforts in seagrass Posidonia oceanica restoration: Ecological insights from Tunisia	Nada Abdelkader (unconfirmed)
The Impacts of gleaning activities on seagrass ecosystems in Kaole Bagamoyo.	Revival Herman (unconfirmed)
Levant regime shift: the canary in a coalmine for the future of Mediterranean biodiversity	Gil Rilov (unconfirmed)
The Hidden Treasures: Soil Organic Carbon Stock in the Mangrove and Salt Marsh Ecosystems along the Cox's Bazar Coast, Bangladesh	Mohammad Motahar Hossain (unconfirmed)

7.2. Integrating Novel Technologies Into Traditional Coastal Monitoring Programmes to Enhance Marine Biodiversity Knowledge

Scalable Mapping of Coastal Macroalgae Using Sentinel-2 and Integrated Professional and Citizen-Science Observations	Ahmed Ali
ReefFish: A Benchmark for Automated Fish Detection in Diver-Based Reef Surveys in the Western Indian Ocean	Jules Gerard
Seasonal Dynamics of Meroplankton on the Dutch Continental Shelf: A Combination of Morphological and Molecular Approaches	Rebecca Büring
Passive Acoustic Monitoring as a Tool for Assessing Fish Community Biodiversity in Turbid Waters	Maike Fallböhmer
Seeing what divers miss: integrating long-life remote underwater video into coastal monitoring of elasmobranch presence and behaviour	Jule Buschmann
Tracking Giants: integrating molecular and modeling tools to guide Giant Sea Bass population management	Lesley Figueroa (unconfirmed)

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2.5. Solving the Ocean Biodiversity Data Crisis... One Byte at a Time

Mesozooplankton community structure in the western Pacific based on historical CSK zooplankton samples	Kazuaki Tadokoro
Gelatinous zooplankton as indicators in the Kunming Montreal Global Biodiversity Framework	John Terenzini
Making the most of Biodiversity Marine Information: the example of Atrina project within MORSE, Marine Organisms and Ressources Storage systEm	Sylvie Van Iseghem
The Coralligenous Trait Database: a collaborative repository of species traits from Mediterranean coralligenous habitats to advance trait-based research	Claudia Campanini
Bridging Marine Biodiversity Data Gaps Using BRUV and eDNA in Data-Poor Waters of Western Sumatra	Asri Lestari
Ecological interaction networks across decades: marine coastal dynamics in the Belgian Part of the North Sea	Hanneloor Heynderickx
Inventorying Bathyal Ichthyofauna: A Systematic Study of Otolith Morphology from Bathyal Fishes in the South Eastern Arabian Sea	Rekha J Nair
Assessing the potential of the PlanktoSCOPE for long-term monitoring of Arctic microplankton in the Fram Strait	Barbara Dörmback
Global Patterns and Knowledge Gaps in Circalittoral and Bathyal Sedimentary Benthic Communities: A PRISMA Systematic Review	Sara Campillo Marin

2.8. Keeping Your Cool - Polar Benthic Biodiversity and Ecosystem Functioning in a Changing Ocean

Benthic meiofauna in the Arctic: Current knowledge and knowledge gaps	Andreas Altenburger
Crossing the North Atlantic Gateway to the Arctic Ocean: Insights into Deep-Sea Biodiversity, Connectivity, and VME Sensitivity	Saskia Brix
Hotspots of benthic biodiversity in the marine Arctic	Hanna Modin
Meiofauna structural and functional diversity baseline assessment across the West Antarctic Peninsula: insights from Belgica 121 and TANGO I expeditions	Francesca Pasotti
Linking the biodiversity of macrobenthic communities to geochemical processes in two glaciated fjords in Southwest Greenland	Hannah Gaber
Regional and local environmental controls on marine benthic assemblages across glacier-influenced Antarctic fjords	Miguel Bascur

3.1. Bringing Marine Ecosystem Modelling in Operation to Predict and Protect Ocean Biodiversity

Zooplankton as a gateway for microplastics into the marine food-web: insights from particle-tracking modelling	Gaia Buccino
A generic modeling framework for diel vertical migration of mesozooplankton and its role in marine biogeochemical cycles	Veli Çağlar Yumruktepe
Integrating physiological and ecological trade-offs to improve fish community models	Maria Francisca Rodrigues
Reconstructing Phytoplankton Regime Shifts in the North Atlantic Using Machine Learning and Long-Term Observations	Mailsy Roux
Biophysical biomes as a framework for projecting micronekton responses to climate change	Alberne Sarah (unconfirmed)

3.2. Digital Twins and AI Applications for Marine Biodiversity & Ecosystems: From Virtual Oceans to Real-World Impact

MACMA: A Locally-Driven Digital Intelligence Infrastructure for Marine Knowledge Sharing and Community Empowerment in Madagascar	Rabarijaona Roddy Raoul Boleslas
Developing a LiDAR-Derived Digital Twin of the Buccoo Mangrove Ecosystem in Tobago	Deanesh Ramsewak
Increasing the flow of biodiversity data into digital twin infrastructures: The DTO-BioFlow Legacy	Oonagh McMeel
DeepDATA: An Android-Based Digital Taxonomy Assistant for Identification of Deep-Sea Fish Species	Eldho Varghese
Algorithmic Trawl Management: Real-Time Bycatch Elimination via Edge-AI Computer Vision and Mechanized "Smart Net" Escape Hatches	Maryam Umar
Service-Oriented Implementation of OSPAR Plankton Indicators in the European Digital Twin Ocean Infrastructure	Luz Amadei

5.1. Today's Challenges and Future Opportunities for Identifying the Evolution, Taxonomy, and Systematics of Invertebrates

New findings of novel 18S and COI sequences of Arctic sea-ice associated rotifers	Miriam Marquardt
Taxonomical challenges fostered by DNA-studies - the Maldives Strombidae case	Ulrich Wieneke
Hidden Diversity in Actinostella flosculifera: Morphological and Phylogenomic Evidence for Cryptic Species Across the Atlantic	Jeferson Durán Fuentes
Where do constellations end? A large-scale iterative approach to gastropod taxonomy	Giacomo Chiappa
A systematic case study clarifying the identity of the marine macroalga Corallina armata (Rhodophyta, Corallinales)	Aimee van der Reis
Complete Mitochondrial Genome and Preliminary Phylogenetic Analysis of the Mitten Crab Acmaeopleura parvula Stimpson, 1858 (Crustacea: Decapoda: Varunidae) from Jejudo Island, Korea	Sang-kyu Lee

5.2. The Ocean Census: Collective Efforts to Accelerate the Discovery of New Ocean Life

Historical collections as engines of species discovery: new marine invertebrate species from Chile	Catalina Merino Yunnissi
Ocean Species Discoveries – an innovative peer-reviewed open-access publication series for marine invertebrate species descriptions	Jan Steger
Molecular evidence suggests a distinct lineage of Diadumene (Actiniaria) from the Amazonian marine coast	Suelen Pereira

5.3. The African Linnean Shortfall: Overview, Status and Opportunities in Capacity Building and Research in Marine Taxonomy

Revision of Tedania (Porifera: Demospongiae: Poecilosclerida) found in South Africa using taxonomic and genetic analyses	Naidine Haricombe
International field training school on taxonomy-based early detection of Alien Invasive Species in the Mediterranean marinas	Jamila Ben Souissi
1001 Seaforest Species: a novel online marine biodiversity platform to support marine research and ocean storytelling in the Great African Seaforest	Jannes Landschoff
New record of the Cowley's Torpedo Ray Tetronarce cowleyi Ebert, Haas & de Carvalho, 2015 (Torpediniformes: Torpedinidae) from the WIO	Stela Fernando (unconfirmed)
Nemipterid fishes of Tanzania, with description of a new species of Parasclopsis and new records of Nemipterus elaine and Parasclopsis akatamae	Patroba Matiku (unconfirmed)

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5.4. The World Register of Marine Species as a Catalyst for Understanding Marine Biodiversity

Learning Taxonomy Practice: A Student's Experience as an Editor of the World Ostracoda Database and the Register of Marine Species

Sávio Pereira

6.3 Demonstrating the Power of Cross-Thematic Open and FAIR Data for Evidence-Based Marine Biodiversity and Ecosystem Decision-Making: The EMODnet Example

A multi-tool approach to understanding benthic ecosystem function and ecological value in a sub-Arctic fjord system (Porsangerfjord, Norway)

Amanda Ziegler

6.7. Advances and Challenges in Developing and Applying Conservation and Restoration Science to Meet Societal Goals and Legislative Needs

Status of coral reefs in Wadi El Gemal National Park

Hamzah Abdelmajid

Evaluating Early Effectiveness of the Lease Islands Marine Protected Area on Reef-Associated Fish Communities

Judith Breedveld

Monitoring the invasion of lionfish in a Brazilian marine protected area: management actions and implications for conservation policy

Isabella Lais Chalegre Rodrigues de Andrade

Co-production of knowledge: a case study of some European science-policy expert groups networks involved in marine biodiversity management challenges

Laurent Guérin

Evaluating user fee sufficiency for sustainable management of Siete Pecados Marine Park, Coron, Palawan, Philippines

Mark Joseph Laceste (unconfirmed)

Rethinking Marine Protected Area Effectiveness: Insights from Social-Ecological Field Research in the Global South

Jean Hugé (unconfirmed)

6.8. Understanding Environmental Impacts of Deep-Seabed Mining: Science for Sustainable Ocean Governance

Total destruction or small setback: the effects of nodule mining on meiofaunal communities.

Mark de Wilt

Governance gaps and conservation risks in offshore resource extraction: Lessons from Aotearoa New Zealand's petroleum regulatory framework for emerging extractive industries

Jessica Rutherford

From Honest Broker to Advocate: Positioning taxonomists as knowledge holders for policy

Alica Torkov

Biodiversity patterns of polymetallic nodule-attached fauna and impact from a large-scale mining trial

Guadalupe Bribiesca Contreras

Nodule extraction impacts on benthic biodiversity and function in the Baltic Sea

Marius Olsson

Comparative Impacts of Land-Based and Deep-Sea Mining on Marine Biodiversity in Papua New Guinea

Jordan Emmanuel Buló (unconfirmed)

6.9. Biodiversity Benefits of Nature Based Solutions?

Variation in ecosystem services within biogenic reefs: The role of reef-building species under distinct hydrodynamic conditions

Rémi Dupont

Ecological Maturity and Delayed Biodiversity Benefits of Marine Nature-Based Solutions in Coastal Infrastructure Decision-Making

Alexia Semeraro

Cobelia amphilecti boosts reproduction and resilience of the foundational European kelp species Laminaria ochroleuca

Sofie Peeters

Artificial tidepools enhance biodiversity on sea-dikes: evidence for a marine nature-based solution

Martje Birker-Wegter

Applying an Operational Framework for Nature-based Solutions for Adaptation in Coastal Seascapes: Lessons from Tanzania

Sulemani Masoud

6.10. Biodiversity as a Source of Solutions: Unlocking the Societal Value of Marine Life

Dietary Arthrospira platensis enhances immune gene expression and disease resistance in Litopenaeus vannamei during Vibrio parahaemolyticus infection

Adriana Guadalupe Herrera Vivas

Diurnal bioactive rhythms in Western Indian Ocean red seaweeds: implications for blue bioeconomy and climate-resilient livelihoods.

Gladys Mwaka

Immune effects of sea air: exploring the link between marine bioaerosols and lung immune modulation

Laura Van Peteghem

Marine Aquaponics: Opportunities and Challenges for Integrated Marine Aquaculture

Changkeun Lee

Local views on Ecosystem services of Mangrove Marine Park in the Democratic Republic of Congo

Valentin Tembe Mwela (unconfirmed)

7.3. Animal Movement, Behaviour and Biologging

Spatial behavioural preferences of captive King penguins (Aptenodytes patagonicus) and implications for enclosure design and welfare

Nancy Aquino

Effects of the most recent acute ocean warming event on cleaning-station use by reef manta rays (Mobula alfredi) at D'Arros Island, Seychelles

Axelle Joutel

Using BRUVs to reveal ecological drivers of reef shark spatial distribution in the Cayman Islands.

Agathe Moreau

Biologging reveals prey-driven and thermoregulatory diving behavior in the Critically Endangered spinetail devil ray (Mobula mobular)

Anna Knochel

Sea Turtle Conservation: Tagging and Monitoring Nesting Success in Mafia and Kigamboni Coastal Districts of Tanzania

Pooja Solanki (unconfirmed)

7.4. Plankton Biodiversity for Ocean Health

Imaging-based quantification of long-term zooplankton size structure at the Helgoland Roads monitoring station (North Sea)

Adélaïde Perruchon

From eDNA to Arctic Marine Ecosystem Functionality: Linking Species Richness, Functional Diversity, and Environmental Drivers across Functional Trophic Groups

Rahel Vortmeyer-Kley

Functional diversity in reproductive traits of calanoid copepods in the Arctic Ocean

Barbara Niehoff

Nazaré's Microscopic Giants: Zooplankton Dynamics

Clara Rodrigues

INDIFUN-AI: Innovative pressure-state indicators for biodiversity change based on a unique marine plankton dataset using the latest AI-supported statistical methods

Annette Breckwoldt

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7.5. New Technology for Biodiversity Monitoring Innovations and Challenges to Implementation

Fixing the Bias: Improving Quantitative eDNA-based Marine Fish Biodiversity Monitoring	Isolde Cornelis
Omics-based plankton biodiversity from space: new approaches from the Biodiversa+ PETRI-MED project	Emanuele Organelli
A Morphology Explicit Computational Framework for Accurate Biomass Estimation of Marine Meiofauna	Harshpreet Kaur
Integrating eDNA, visual surveys and passive acoustics for biodiversity monitoring in kelp restoration.	Alexandre Campos
The Jellyscope: In Situ Imaging for Non-Invasive Monitoring of Gelatinous Zooplankton	Isabel Hendriks
Monitoring marine and coastal biodiversity from space: An overview of European Space Agency projects	Marie-Helene Rio

7.6. Innovative and Large-Scale Approaches for Biodiversity Observation in Pelagic Ecosystems

Antarctica InSync eDNA and OMICS - A year-round assessment of marine biodiversity with RV Polarstern	Charlotte Havermans (unconfirmed)
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General

Bioreceptive marine concrete design for contemporary port and harbour infrastructure: the role of material quality and surface roughness in associated biofouling	Juan Carlos Farias Pardo
Quantifying the Different Dimensions of Benthic Diversity Across North-West European Shelf Seas	Connor Peach
The influence of habitat heterogeneity and sunken Sargassum on abyssal megafauna assemblages in the Vema Fracture Zone	Mats Henseler
Effects of artificial food provisioning on Carcharhinus melanopterus and Negaprion acutidens juvenile populations around Moorea, French Polynesia	Elke Herbots
Habitat-structured sponge assemblages in the Greek Seas: a baseline for detecting change	Thanos Dailianis
Winter marine heatwaves alter physiology and abundance of kelp holdfast assemblages	Cristina Gutierrez Marin (unconfirmed)