

| Date | Title | Session Type | Starts | Ends | Room | Presenters | Affiliation | Program | # |
|--------|---|--|--------|-------|---------------------|---|--|-----------------------------------|-------|
| 26-Feb | Abrupt Changes in the North Atlantic Ocean Circulation: Past, Present, and Future III Oral | Session | 08:30 | 10:00 | Hall 3, The Abyss | Ruza F Ivanovic; Oliver Mehling; Andrea Burke; Alejandra Sanchez-Franks | University of Leeds; Utrecht University; University of St Andrews; National Oceanography Centre | Climate and Ocean Change | CC41A |
| 26-Feb | Environmental and Ecosystem Responses to Expanding Offshore Renewable Energy IV Oral | Session | 08:30 | 10:00 | Dochart | Juliane Wihsgott; Jeff R Carpenter; Neda Trifonova; Glen Gawarkiewicz; Michela De Dominicis | Plymouth Marine Laboratory; Helmholtz-Zentrum hereon; University of Aberdeen; Woods Hole Oceanographic Institution; National Oceanography Centre | Human-Ocean Connections | HC41A |
| 26-Feb | Advances in Observing and Modeling the Biological Carbon Pump II Oral | Session | 08:30 | 10:00 | Forth | Clara R. Vives; Stephanie Henson; Margaret Estapa; Sandy Jane Thomalla; Guillaume Liniger | JAMSTEC Japan Agency for Marine-Earth Science and Technology; National Oceanography Centre; University of Maine; Council for Scientific and Industrial Research (CSIR); Monterey Bay Aquarium Research Institute | Ocean Biology and Biogeochemistry | OB41A |
| 26-Feb | Dynamics at the Sloping Boundary: Understanding the Interactions and Exchanges Between Shelf Seas and the Deep Ocean I Oral | Session | 08:30 | 10:00 | Hall 3, Kelp Forest | Neil Fraser; Anthony Wise; Christopher G Piecuch; André Palóczy | Scottish Association for Marine Science; National Oceanography Centre; Woods Hole Oceanographic Institution | Physical Oceanography | PS41A |
| 26-Feb | Future subpolar gyre tipping point? Deep convection shutdown in a high-resolution ocean-ice-biogeochemistry simulation | Abrupt Changes in the North Atlantic Ocean Circulation: Past, Present, and Future III Oral | 09:00 | 09:10 | Hall 3, The Abyss | Alice Marzocchi | National Oceanography Centre | Climate and Ocean Change | CC41A |

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|--------|--|--|--------|-------|--------------------|----------------|------------------------------------|------------------------------------|-------|
| 26-Feb | Unravelling Southern Ocean Nutrient Trapping and Divergent Net Primary Production out to 2300 | Unraveling Interactions Between Large-Scale Ocean Circulation, Biogeochemical Cycles, and Marine Ecosystems I Oral | 09:25 | 09:36 | Hall 3, Coral Cove | Shailee Patel | National Oceanography Centre (NOC) | Ocean Biology and Biogeochemistry | OB41C |
| 26-Feb | Benthic habitat distributions under ocean-based energy: responses to changes in hydrodynamics and climate change | Environmental and Ecosystem Responses to Expanding Offshore Renewable Energy IV Oral | 09:30 | 09:40 | Dochart | Lisa Skein | National Oceanography Centre | Human-Ocean Connections | HC41A |
| 26-Feb | The effect of seasonality on the biological sequestration of carbon in the sub-Antarctic Southern Ocean | Unraveling Interactions Between Large-Scale Ocean Circulation, Biogeochemical Cycles, and Marine Ecosystems I Oral | 09:36 | 09:47 | Hall 3, Coral Cove | Adrian Martin | National Oceanography Centre | Ocean Biology and Biogeochemistry | OB41C |
| 26-Feb | A state-of-the-art review of aquatic eDNA sampling technologies and a roadmap to accelerate their development and implementation | The Ocean Biomolecular Observing Network: Advancing Biomolecular Science for Sustainable Development I Oral | 09:45 | 09:55 | Carron | Julie Robidart | National Oceanography Centre | Ocean Technology and Observatories | OT41B |

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|--------|---|--|--------|-------|--------------------|---|--|------------------------------------|-----------|
| 26-Feb | Abrupt Changes in the North Atlantic Ocean Circulation: Past, Present, and Future IV Oral | Session | 10:30 | 12:00 | Hall 3, The Abyss | Ruza F Ivanovic; Oliver Mehling; Andrea Burke; Alejandra Sanchez-Franks | University of Leeds; Utrecht University; University of St Andrews; National Oceanography Centre | Climate and Ocean Change | CC42 A |
| 26-Feb | Regionally Downscaled Ocean Climate Predictions and Projections II Oral | Session | 10:30 | 12:00 | Hall 3, Tidal Pool | Anna Katavouta; Konstantinos Christakos; Jun She; Leonie Barghorn | National Oceanography Centre; Norwegian Meteorological Institute; Danish Meteorological Institute; Leibniz Institute for Baltic Sea Research Warnemuende | Digital Ocean | DO42 B |
| 26-Feb | Advances in Observing and Modeling the Biological Carbon Pump III Oral | Session | 10:30 | 12:00 | Forth | Clara R. Vives; Stephanie Henson; Margaret Estapa; Sandy Jane Thomalla; Guillaume Liniger | JAMSTEC Japan Agency for Marine-Earth Science and Technology; National Oceanography Centre; University of Maine; Council for Scientific and Industrial Research (CSIR); Monterey Bay Aquarium Research Institute | Ocean Biology and Biogeochemistry | OB42 A |
| 26-Feb | FAIR marine ecology time series data for the global research community - Outcomes of the Marine Ecological Time Series Research Coordination Network (METS-RCN) | New Scientific Insights and Technological Advancements in Marine Time Series II Oral | 10:30 | 10:45 | M1 | Justin Buck | National Oceanography Centre | Ocean Technology and Observatories | OT42 A |
| 26-Feb | <i>Investigating Carbon Export Pathways and Controls in the Labrador Sea from a Year-long Multi-platform Observatory</i> | Advances in Observing and Modeling the Biological Carbon Pump III Oral | 10:50 | 11:00 | Forth | Filipa Carvalho | National Oceanography Centre | Ocean Biology and Biogeochemistry | OB42 A |

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|--------|--|--|--------|-------|---------------------|---|--|-----------------------------------|--------|
| 26-Feb | A new global open-ocean climatology of particle mean size and sinking particulate carbon flux | Advances in Observing and Modeling the Biological Carbon Pump III Oral | 11:10 | 11:20 | Forth | Nathan Briggs | National Oceanography Centre | Ocean Biology and Biogeochemistry | OB42 A |
| 26-Feb | Global patterns in small organic particle loss in the mesopelagic ocean | Tracking the Ocean's Vital Signs with BGC-Argo: From Regional Studies to Global Processes I Oral | 11:15 | 11:25 | Hall 3, Coral Cove | Stephanie Henson | National Oceanography Centre | Ocean Biology and Biogeochemistry | OB42 C |
| 26-Feb | Abrupt Changes in the North Atlantic Ocean Circulation: Past, Present, and Future V Oral | Session | 14:00 | 15:30 | Hall 3, The Abyss | Ruza F Ivanovic; Andrea Burke; Alejandra Sanchez-Franks; Oliver Mehling | University of Leeds; University of St Andrews; National Oceanography Centre; Utrecht University | Climate and Ocean Change | CC43 A |
| 26-Feb | Advances in Observing and Modeling the Biological Carbon Pump IV Oral | Session | 14:00 | 15:30 | Forth | Clara R. Vives; Stephanie Henson; Margaret Estapa; Guillaume Liniger; Sandy Jane Thomalla | JAMSTEC Japan Agency for Marine-Earth Science and Technology; National Oceanography Centre; University of Maine; Monterey Bay Aquarium Research Institute; Council for Scientific and Industrial Research (CSIR) | Ocean Biology and Biogeochemistry | OB43 A |
| 26-Feb | BioGeoSCAPES: Deciphering Ocean Metabolism Through Interdisciplinary Science I Oral | Session | 14:00 | 15:30 | Hall 1 | Naomi Marcil Levine; Thomas James Ryan-Keogh; Sinikka T. Lennartz | University of Southern California; National Oceanography Centre; University of Oldenburg | Ocean Biology and Biogeochemistry | OB43 B |
| 26-Feb | Dynamics at the Sloping Boundary: Understanding the Interactions and Exchanges Between Shelf Seas and the Deep Ocean II Oral | Session | 14:00 | 15:30 | Hall 3, Kelp Forest | Neil Fraser; Anthony Wise; Christopher G Piecuch; Andr e Pal oczy | Scottish Association for Marine Science; National Oceanography Centre; Woods Hole Oceanographic Institution; National Oceanography Centre | Physical Oceanography | PS43A |

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|--------|--|---|--------|-------|----------------------|------------------------|---|-----------------------------------|--------|
| 26-Feb | Unraveling the drivers of primary productivity dynamics in the North Atlantic with autonomous observations and machine learning. | Advances in Observing and Modeling the Biological Carbon Pump IV Oral | 14:00 | 14:10 | Forth | Flavien Petit | National Oceanography Centre | Ocean Biology and Biogeochemistry | OB43 A |
| 26-Feb | Bulk Particle Sinking Speeds Across the Atlantic Ocean From Year-Round Autonomous Observations | Advances in Observing and Modeling the Biological Carbon Pump IV Oral | 14:50 | 15:00 | Forth | Hans Hilder | National Oceanography Centre | Ocean Biology and Biogeochemistry | OB43 A |
| 26-Feb | Impact of a newly observed recurring eddy on biological productivity in the western Bay of Bengal | Unraveling Physical-Biological Interactions at Meso- and Submesoscales I Oral | 14:50 | 15:00 | Lomond Auditorium | William Luty | National Oceanography Centre, Southampton | Physical-Biological Interactions | PI43A |
| 26-Feb | Back to Basics: Bringing New Technologies to Forgotten Data Management Systems | Bridging the Ocean with Data: Connected Regional Services Driving a Resilient, Interoperable Global | 16:00 | 18:00 | Hall 4 (Poster Hall) | Monica Hanley | National Oceanography Centre BODC | Digital Ocean | DO44 B |
| 26-Feb | Maintaining Momentum to Increase FAIRness of UK Marine Data | Maintaining Momentum to Increase FAIRness of UK Marine Data | 16:00 | 18:00 | Hall 4 (Poster Hall) | Charlotte Miskin-Hymas | National Oceanography Centre MEDIN | Digital Ocean | DO44 B |

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|--------|---|--|--------|-------|----------------------|---|--|-----------------------------------|--------|
| 26-Feb | Physical and Biogeochemical Controls of Primary Productivity in the East Pacific Sector of the Southern Ocean | Unraveling Physical-Biological Interactions at Meso- and Submesoscales II Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Daniel Bangay | National Oceanography Centre | | PI44C |
| 26-Feb | Advances in Observing and Modeling the Biological Carbon Pump V Poster | Session | 16:00 | 18:00 | Hall 4 (Poster Hall) | Clara R. Vives; Stephanie Henson; Margaret Estapa; Sandy Jane Thomalla; Guillaume Liniger | JAMSTEC Japan Agency for Marine-Earth Science and Technology; National Oceanography Centre; University of Maine; Council for Scientific and Industrial Research (CSIR); Monterey Bay Aquarium Research Institute | Ocean Biology and Biogeochemistry | OB44 A |
| 26-Feb | BioGeoSCAPES: Deciphering Ocean Metabolism Through Interdisciplinary Science II Poster | Session | 16:00 | 18:00 | Hall 4 (Poster Hall) | Naomi Marcil Levine; Thomas James Ryan-Keogh; Sinikka T. Lennartz | University of Southern California; National Oceanography Centre; Geomar Helmholtz-Centre for Ocean Research Kiel | Ocean Biology and Biogeochemistry | OB44 C |
| 26-Feb | Marine Life and Carbon Cycling in a Changing Ocean: Integrating Observations, AI, and Models I Poster | Session | 16:00 | 18:00 | Hall 4 (Poster Hall) | MarieFanny Racault; Lionel Guidi; Stephanie Henson; Maria Villa-Alfageme | University of East Anglia; Laboratoire d'Océanographie de Villefranche (LOV), UMR 7093, Sorbonne Université; National Oceanography Centre Southampton; National Oceanography Centre; Universidad de Sevilla | Ocean Biology and Biogeochemistry | OB44 D |

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|--------|---|--|--------|-------|----------------------|---|---|---------------------------------|-------|
| 26-Feb | Dynamics at the Sloping Boundary: Understanding the Interactions and Exchanges Between Shelf Seas and the Deep Ocean III Poster | Session | 16:00 | 18:00 | Hall 4 (Poster Hall) | Neil Fraser; Anthony Wise; Christopher G Piecuch; André Palóczy | Scottish Association for Marine Science; National Oceanography Centre; Woods Hole Oceanographic Institution; National Oceanography Centre | Physical Oceanography | PS44A |
| 26-Feb | Community guidance for new users in building regional ocean NEMO configurations | Numerical and Computational Challenges in the Development of Ocean Models and Their Coupling to Earth System Components III Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Anna Katavouta | National Oceanography Centre | Digital Ocean | DO44D |
| 26-Feb | Climate-Driven Oceanographic Variability in the Adélie Region, East Antarctica | Variability, Circulation, and Ongoing Change in the Southern Ocean II Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Jennifer Cocks | National Oceanography Centre, Soton | High Latitude Environments | HE44D |
| 26-Feb | Future projections of the Antarctic coastal wind boundary compared to a southward-shifting westerly belt | Variability, Circulation, and Ongoing Change in the Southern Ocean II Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Archie Cable | National Oceanography Centre | High Latitude Environments | HE44D |
| 26-Feb | An Open-Source Tool for Reproducible Image Preprocessing for AI Applications in Ecological Research | Accelerating Discovery in Marine Imagery with Artificial Intelligence II Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Colin Sauze | National Oceanography Centre | Marine Ecology and Biodiversity | ME44A |

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|--------|---|--|--------|-------|----------------------|--------------------|------------------------------|------------------------------------|--------|
| 26-Feb | Capturing the variability within the Particulate Organic Carbon Flux: A Bayesian approach | Advances in Observing and Modeling the Biological Carbon Pump V Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Pippa Edwards | National Oceanography Centre | Ocean Biology and Biogeochemistry | OB44 A |
| 26-Feb | Linking phytoplankton, particle size and POC flux: a global data synthesis | Advances in Observing and Modeling the Biological Carbon Pump V Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Sophie Clayton | National Oceanography Centre | Ocean Biology and Biogeochemistry | OB44 A |
| 26-Feb | Impact of Wave-induced Mixing on Storm-driven Biogeochemical Fluxes in the Northwest European Shelf | Advancing Marine Ecosystem Modeling for a Predictable and Sustainable Ocean I Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Bin Guo | National Oceanography Centre | Ocean Biology and Biogeochemistry | OB44 B |
| 26-Feb | How Warm is Too Warm? Collapse and Recovery of the North Atlantic Sub-Polar Gyre and Phytoplankton Bloom Over a Range of Net-Zero Futures | Unraveling Interactions Between Large-Scale Ocean Circulation, Biogeochemical Cycles, and Marine Ecosystems II Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Sophy Oliver | National Oceanography Centre | Ocean Biology and Biogeochemistry | OB44 L |
| 26-Feb | Lab-on-chip sensors for autonomous characterisation of the marine CO ₂ system and their potential for mCDR MRV applications. | Autonomous Observing Technologies and Methods for Sustained Ocean Carbon Observations and Climate Mitigation Research I Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Socratis Loucaides | National Oceanography Centre | Ocean Technology and Observatories | OT44 A |

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|--------|---|--|--------|-------|----------------------|---------------------|------------------------------|------------------------------------|--------|
| 26-Feb | Towards a multi-platform open-ocean observatory to assess carbon uptake in the productive northeast Atlantic | Autonomous Observing Technologies and Methods for Sustained Ocean Carbon Observations and Climate Mitigation Research I Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Susan Hartman | National Oceanography Centre | Ocean Technology and Observatories | OT44 A |
| 26-Feb | Obtaining accurate, high-frequency and long-term seawater pH data by using coupled lab-on-chip and optode sensing technologies | Autonomous Observing Technologies and Methods for Sustained Ocean Carbon Observations and Climate Mitigation Research I Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Anthony Lucio | National Oceanography Centre | Ocean Technology and Observatories | OT44 A |
| 26-Feb | Exploring the Potential of Shallow-Water Distributed Acoustic Sensing to Study Ocean Processes, Subsurface Characteristics and Marine Noise Sources | Sensing of the Ocean and Seafloor Using Fiber-Optic Cables: Technologies, Techniques, and Applications I Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Emma Gregory | National Oceanography Centre | Ocean Technology and Observatories | OT44 E |
| 26-Feb | Distributed Acoustic Sensing and Ambient Noise Interferometry Along a Seafloor Cable off Madeira | Sensing of the Ocean and Seafloor Using Fiber-Optic Cables: Technologies, Techniques, and Applications I Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Jennifer Ward Neale | National Oceanography Centre | Ocean Technology and Observatories | OT44 E |

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|--------|--|---|--------|-------|----------------------|----------------|------------------------------|------------------------------------|--------|
| 26-Feb | FULL-OCEAN-FIBRE: Novel Depth-Resolved & Ocean-Wide Sensing Using Subsea Cables to Enable a Sustained Early Warning System for the Subpolar Gyre | Sensing of the Ocean and Seafloor Using Fiber-Optic Cables: Technologies, Techniques, and Applications I Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Carl Spingys | National Oceanography Centre | Ocean Technology and Observatories | OT44 E |
| 26-Feb | Innovating Marine Biodiversity Monitoring: Integrating Traditional and Molecular Methodologies | The Ocean Biomolecular Observing Network: Advancing Biomolecular Science for Sustainable Development III Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Susan Evans | National Oceanography Centre | Ocean Technology and Observatories | OT44 F |
| 26-Feb | Persistent Ocean-Shelf Transport Across the North West European Shelf Edge | Dynamics at the Sloping Boundary: Understanding the Interactions and Exchanges Between Shelf Seas and the Deep Ocean III Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | André Palóczy | National Oceanography Centre | Physical Oceanography | PS44A |
| 26-Feb | Global coastal ocean mixing-stratification regimes and trends from observations and a shelf-enabled global model | Dynamics at the Sloping Boundary: Understanding the Interactions and Exchanges Between Shelf Seas and the Deep Ocean III Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Joanne Hopkins | National Oceanography Centre | Physical Oceanography | PS44A |

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|--------|---|---|--------|-------|----------------------|----------------|---|-----------------------|-------|
| 26-Feb | The impact of large-scale ocean circulation changes on the Northwest European shelf sea level | Dynamics at the Sloping Boundary: Understanding the Interactions and Exchanges Between Shelf Seas and the Deep Ocean III Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Afroosa Malik | National Oceanography Centre | Physical Oceanography | PS44A |
| 26-Feb | Drivers of AMOC Variability at 26°N Across Timescales in Models and Observations | Dynamics of the Ocean's Overturning: Past, Present, and Future III Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Amber Walsh | National Oceanography Centre | Physical Oceanography | PS44B |
| 26-Feb | Residual Circulation of the North Atlantic Subtropical Gyre | Dynamics of the Ocean's Overturning: Past, Present, and Future III Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Louis Clement | National Oceanography Centre | Physical Oceanography | PS44B |
| 26-Feb | Thermal vs. Haline Drivers of Spring Restratification in the Labrador Sea. | Multiscale Turbulent Mixing of the Ocean Surface Boundary Layer I Poster | 16:00 | 18:00 | Hall 4 (Poster Hall) | Heather Jaques | National Oceanography Centre, Southampton | Physical Oceanography | PS44E |