

| Program                                                                                                                                                                                                                | 5 November 2025, 9-12 CET                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>9.00-9.50 CET</b>                                                                                                                                                                                                   |                                                                           |
| Opening of the mini-symposium: Towards a better understanding of marine life                                                                                                                                           | Marja Koski, moderator. Technical University of Denmark                   |
| Welcome<br>BioEcoOcean - Co-Creating Transformative Pathways to Biological and Ecosystem Ocean Observations<br>- A Blueprint for Integrated Ocean Science<br>- Biology and Ecosystem Essential Ocean Variables (EOVs)? | Lina Mtwana Nordlund, BioEcoOcean project coordinator. Uppsala University |
| From local observations to global assessments: Advancing Biology and Ecosystem EOVs through FAIR data                                                                                                                  | Florian Lüskow, Uppsala University                                        |
| Using eDNA to detect the diversity of macroalgal forests                                                                                                                                                               | Alexander McGrath, University of Pisa                                     |
| Q&A                                                                                                                                                                                                                    | Marja Koski, moderator                                                    |
| <b>9.50-10.30</b>                                                                                                                                                                                                      |                                                                           |
| Space-Based Monitoring of Biological and Ecosystem EOVs                                                                                                                                                                | André Valente, Air Centre                                                 |
| Sentinels in a Changing Ocean: Modeling Pteropods as Early Warning Signals of Climate Change                                                                                                                           | Sarah Albernhe, Mercator Ocean International                              |
| Q&A                                                                                                                                                                                                                    | Marja Koski, moderator                                                    |
| <b>10.30-11.10</b>                                                                                                                                                                                                     |                                                                           |
| Biological Carbon Pump and Ocean Carbon Sequestration                                                                                                                                                                  | Andy Visser, Technical University of Denmark                              |
| Towards a Marine Organic Carbon Atlas for the Arctic                                                                                                                                                                   | Artur Palacz, Institute of Oceanology Polish Academy of Sciences          |
| Q&A                                                                                                                                                                                                                    | Marja Koski, moderator                                                    |
| <b>11.10-11.50</b>                                                                                                                                                                                                     |                                                                           |
| Beyond the usual suspects - can additional variables advance your research and monitoring?                                                                                                                             | Lina Mtwana Nordlund                                                      |
| Connecting the Dots: coordinating ocean observations towards a Global Ocean Observing System for Biology and Ecosystems                                                                                                | Ana Lara Lopez, Global Ocean Observing System, IOC-UNESCO                 |
| Q&A                                                                                                                                                                                                                    | Marja Koski, moderator                                                    |
| <b>11.50-12.00</b>                                                                                                                                                                                                     |                                                                           |
| Closing and Q&A                                                                                                                                                                                                        | Marja Koski, moderator                                                    |