



2nd Co-design/Co-creation Workshop in collaboration with OBAMA-NEXT

Solutions for Improving Marine Biodiversity Monitoring

Wednesday, 06 November 2024
Sitges (Spain) 16:30-19:00 CET

Final Agenda

Time	Item	Speaker
16:30 – 16:40	Welcome, Objectives, and Icebreaker <ul style="list-style-type: none">- The present Workshop will advance in the process of stakeholder consultation for the creation of MBO data products that better ensure the end-user needs and requirements.	Isabel Sousa Pinto , CIIMAR-UP Vicente Fernández , Seascope Belgium
16:40 – 16:50	Connecting the Biodiversity Data Ecosystem <ul style="list-style-type: none">- Through active engagement, co-development, and streamlined adoption of global data standards, the Data Management Plan (DMP) developed in MARCO-BOLO is a powerful tool for unlocking data, increasing the evidence base and building data literacy within the biodiversity community.	Dan Lear , MBA
16:50 – 17:00	Questions & Answers	
17:00 – 17:10	Accelerating the Uptake of Deployable Technologies for Biodiversity <ul style="list-style-type: none">- Scaling up the sensitivity of DNA insights with machine learning, and creation of 3-D georeferenced and annotated datasets, are examples of advanced technology for cost-effective, timely, and accurate biodiversity observations in coastal and marine regions.	Nicolas Pade , EMBRC Julie Robiedart , NOC
17:10 – 17:20	Questions & Answers	

17:20 – 17:30	<p>eDNA-Based Tools for Biomonitoring and Pathways to Solutions</p> <ul style="list-style-type: none"> - Validating and tuning eDNA-based approaches for biodiversity monitoring across functional groups (from microbes to vertebrates) constitutes a key research area still in development. With a focus on marine organisms, some of the challenges to integrate eDNA data to biodiversity indicators, and the different angles to tackle them, will be presented. 	<p>Emilie Boulanger, UNESCO Daniel Morais, UiT</p>
17:30 – 17:40	Questions & Answers	
17:40 – 17:50	<p>Innovative Tools for Monitoring and Assessing Biodiversity Status and Impacts of Multiple Human Pressures in Marine Systems. Connecting with Other European Projects</p> <ul style="list-style-type: none"> - Environmental DNA, drones, imaging, and artificial intelligence are some tools that, in an innovative way, OBAMA-NEXT is developing to monitor the ocean. The validation of these novel methods needs the comparison with benchmark technologies, and their subsequent integration into long-standing time series for data continuity. This requires transition periods and careful planning, which can be achieved through an intense collaboration of current and future European projects for marine biodiversity and ecosystem health assessment (e.g. GES4SEAS). 	<p>Ángel Borja, AZTI OBAMA-NEXT</p>
17:50 - 18:00	Questions & Answers	
18:00 – 18:10	<p>What Solutions Can New Technologies Bring to Marine Biodiversity Monitoring?</p> <ul style="list-style-type: none"> - New technologies offer data streams with the potential for high spatial, temporal and taxonomical resolution, but also challenges in the translation into specific information relevant to support marine biodiversity policies. This presentation highlights the strengths/weaknesses and opportunities/threats for a range of different new technologies. 	<p>Jacob Carstensen, AU OBAMA-NEXT</p>
18:10 - 18:20	Questions & Answers	
18:20 - 18:50	Interaction/Discussion with Stakeholders on Co-design of Products	<p>Isabel Sousa Pinto, CIIMAR-UP Vicente Fernández, SeaScape Belgium</p>
18:50 - 19:00	Wrap up & Closure	