

IMBeR Synthesis and Future Planning Conference (Future Oceans 3)

Day 1 - Tuesday, 13 May 2025

Morning

08:30 - 08:40	Opening Session	Moderator: TBD
IMBeR Looking Inward: Synthesis of the past 10-year achievements (2016-2025)		
Grand Challenge I - Understanding multi-stressors of marine environments and achievements and challenges from ecosystem resilience and environmental management		Convenor: Jacob Carstensen Dongyan Liu
08:40 - 08:43	Grand Challenge I Introduction Jacob Carstensen, Aarhus University	
08:43 - 09:02	Pathways of oligotrophication – hysteresis, shifting baselines, and legacy effects Jacob Carstensen, Aarhus University	
09:02 - 09:21	Eastern Boundary Upwelling Ecosystems under a changing climate Marisol García-Reyes, Farallon Institute	
09:21 - 09:40	The effect of nutrient limitation on temperature sensitivities of phytoplankton growth Hongbin Liu, The Hong Kong University of Science and Technology	
09:40 - 10:00	BREAK	
Grand Challenge II - Achievements from IMBeR Grand Challenge 2 and opportunities for IMBeR 3.0: from scenarios, predictions and projections to actions, solutions and interventions		Convenor: Rowan Trebilco
10:00 - 10:03	Grand Challenge II Introduction Rowan Trebilco, CSIRO Environment, and Centre for Marine Socioecology	
10:03 - 10:22	Detecting, attributing, and projecting global marine ecosystem and fisheries change: FishMIP 2.0 Julia L. Blanchard, University of Tasmania	
10:22 - 10:41	TBD Elvira Poloczanska, Plymouth Marine Laboratory	
10:41 - 11:00	TBD Gerald Singh, University of Victoria	
Grand Challenge III - Blue Transformations: Governance for the ocean-climate-biodiversity nexus		Convenor: Derek Armitage
11:00 - 11:03	Grand Challenge III Introduction Derek Armitage, University of Waterloo	
11:03 - 11:22	Solving Sustainability Challenges at the Food-Climae-Biodiversity Nexus William Cheung, University of British Columbia	
11:22 - 11:41	Ocean biogeochemical cycles, agricultural revolutions and food system transformations Edward H Allison, WorldFish	
11:41 - 12:00	Ocean, Coasts and Society: Reimagining blue transformations and governance at the intersections Prateep Kumar Nayak, University of Waterloo	
12:00 - 13:30	LUNCH	

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Afternoon

Regional Programmes		Moderator: TBD
13:30 - 13:45	SIBER and the Second International Indian Ocean Expedition (Online) Raleigh R. Hood (UTC-4: 01:30 - 01:45, Michael Landry on-site), University of Maryland Center for Environmental Science	
13:45 - 14:00	CLIOTOP - Two decades of research under CLIOTOP: IMBeR's Regional Program on Climate Impacts on Oceanic Top Predators Heidi Pethybridge, CSIRO	
14:00 - 14:15	ICED - Integrating Climate and Ecosystem Dynamics (ICED) in the Southern Ocean programme and its role within IMBeR (Online) Emma Cavan (UTC+1: 07:00 - 07:15), Imperial College London	
14:15 - 14:30	ESSAS through the decades: High-latitude marine ecosystems in a time of transition (Online) Naomi Harada (UTC+9: 15:15 - 15:30), The University of Tokyo	
14:30 - 14:45	Discussion - Regional Programmes	
Working Groups		Moderator: TBD
14:45 - 15:00	CMWG - Ecosystem health of continental marginal seas under the interaction between ecosystem and society Su Mei Liu, Ocean University of China	
15:00 - 15:15	HDWG - Collaborative Pathways to Bridge Oceans and Societies: The IMBeR Human Dimensions Working Group (2016-2025) (Online) Annette Breckwoldt (UTC+2: 09:00 - 09:15), Leibniz Centre for Tropical Marine Research (ZMT)	
15:15 - 15:30	SIOA - The SOLAS-IMBER Ocean Acidification Working Group - 15 years of ocean acidification science (Online) Sam Dupont (UTC+2: 09:15 - 09:30), University of Gothenburg	
15:30 - 15:45	Development of the IMBeR OCEAN100 Team and the Action Plan for the Ocean (Online) Eugene Murphy (UTC+1: 08:30 - 08:45), British Antarctic Survey	
15:45 - 16:00	Discussion - Working Groups and Action Plan for the Ocean	
16:00 - 16:20	BREAK	
Endorsed Projects and Study Groups (non-funded)		Moderator: TBD
16:20 - 16:35	CREPSUM - Science and educational networking for sustainable use of marine ecosystem services in the Southeast Asia Hiroaki Saito, The University of Tokyo	
16:35 - 16:50	IPR - Towards the New Era of ocean science for the sustainable Indo-Pacific Region Shan Jiang, East China Normal University	
16:50 - 17:05	OCPC - Key activities, successes and future outlook of the OC-PC Study Group Young-Je Park, TelePix Co., Ltd.	
17:05 - 17:20	Discussion - Endorsed Projects and Study Groups	
Poster Session		
18:00 - 20:00	Poster Session	

Each presentation is limited to 15 minutes. All Q&A will take place during the discussion session.