

## TRANSFORMING HUMAN BEHAVIOR TO ENABLE OCEAN-FOCUSED CLIMATE ACTION, BIODIVERSITY PROTECTION AND SUSTAINABLE DEVELOPMENT

TUESDAY, 15 NOV 09:00-10:30

SCIENCE PAVILION

Organizer: Sarah Cooley and Elvira Poloczanska

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### OBJECTIVE

The Sixth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) finds that pathways limiting global warming to 1.5C require rapid and far-reaching transitions in human systems, e.g., the energy and industry sectors, ecosystem management, infrastructure, and society. Despite this challenge, limiting warming to 1.5C with no or limited overshoot will avoid reaching many limits to adaptation.

Many opportunities exist to transform human systems in ways that will increase ocean-based contributions to climate action and climate-resilient development. Opportunities exist within conservation and restoration of ocean ecosystems, sustainable marine resource use, global and local cooperation, and use of effective governance and financing. The IPCC Working Group II report assesses that conservation, evidence-based management, and sustainable use of the ocean enable ocean-based adaptation and help improve human, ecosystem and planetary health; human wellbeing; and economic and social resilience. This session will also discuss how managing simultaneously for multiple ocean crises — climate impacts, biodiversity loss and unsustainable fisheries — while meeting the objectives of climate resilient development can contribute to achieving the United Nations' Sustainable Development Goals and a sustainable ocean.

### AGENDA

Opening and Welcome

09:00-09:05	Moderator introduction	Dr. Carol Turley, OBE, Head of International Affairs, Plymouth Marine Laboratory, UK
<b>Keynote presentations</b>		
09:05-09:10	Scene setting: Key messages from the 6th IPCC Assessment Report about ocean biodiversity and risks from climate change (environmental and social)	Dr. Hans-Otto Pörtner, Alfred Wegener Institute, Germany, and Co-Chair IPCC AR6 WGII
09:10-09:25	Case study: Human transitions in small-scale fisheries.	Ms. Kate Schweigart, Vice President of Innovative Finance, Rare, USA
09:25-09:40	Case study: innovative finance to build resilience/human adaptive capacity to ocean-based climate impacts.	Mr. Chip Cunliffe, Programme and Risk Director, Ocean Risk and Resilience Action Alliance
<b>Panel discussion: Panelists present a key point about human transitions in different areas that will facilitate ocean-focused adaptation.</b>		
09:40-09:45	Small Islands	Dr. Johanna Nalau, Griffith University, Australia and Lead Author IPCC AR6 WGII Ch. 5, Small Islands
09:45-09:50	Coastal Cities	Dr. William Solecki, Hunter College, USA, and Contributing Author IPCC AR6 WGII Cross-Chapter Paper 2, Cities by the Sea
09:50-09:55	Ocean-Climate Finance	Dr. Nathalie Hilmi, Centre Scientifique de Monaco, Monaco and Lead Author IPCC AR6 WGII Ch. 18, Climate-Resilient Development Pathways, and Cross-Chapter Paper 4, Mediterranean
09:55-10:00	Oceans & Coastal Systems	Dr. Sarah Cooley, Ocean Conservancy, USA, and Coordinating Lead Author IPCC AR6 WGII Ch. 3, Ocean & Coastal Ecosystems & their Services
10:00-10:30	Moderated discussion with all panelists and keynote speakers	All
10:30	Closing remarks by moderator	Carol Turley

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Climate Change**

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