



# Oceans of Knowledge 2021: Climate change and the ocean

**26-27  
October 2021**

Institute of Physics, London, N1 9BU

*with remote participation  
worldwide*

4th biennial conference organised by the Operational Oceanography Special Interest Group of the IMarEST

A two day conference addressing three key themes:

- Climate change and sustainable use of the ocean and ocean resources
- The role of the ocean in natural and engineered climate mitigation
- Rising sea levels and coastal vulnerability

## SUPPORTING ORGANISATIONS:



Early registration for the event is highly recommended. For more information visit: [www.imarest.org/ook2021](http://www.imarest.org/ook2021)

## Overview

Scene setting keynotes will highlight current scientific understanding of ocean related aspects of climate change. Policy responses at a national and international level will be placed into the context of the UN Decade of Ocean Science for Sustainable Development and the 2030 Sustainable Development Goals.

### Sustainable use of the ocean and ocean resources

Climate change mitigation and adaptation needs are expected to drive many changes in use of the ocean and its resources. This theme will consider the data and information required to support formulation of policy, monitoring of policy effectiveness and operational needs associated with delivering a sustainable ocean economy.

### Natural and engineered climate change mitigation

The ocean serves as a major natural sink for carbon, as well as offering enormous potential for enhanced carbon sequestration. This theme will consider the information needs associated with understanding natural sinks and the development of engineered ocean sequestration opportunities.

### Rising sea levels and coastal vulnerability

This theme will consider the impact of rising sea levels. It will examine the monitoring and adaptation measures needed to understand and mitigate consequences for coastal infrastructure, communities and ecosystems.

## Who should attend?

### Representatives of:

- Government and government agencies
- The climate science community
- The ocean observing community
- Ocean technology businesses
- Users of the coast and the ocean
- Coastal and ocean planning bodies
- Ocean industries

## Why attend?

Oceans of Knowledge 2021 will provide an important opportunity to meet and network with delegates from government, academia and industry, representing multiple disciplines and sectors concerned with understanding, mitigating and adapting to a changing climate.

Outputs from the conference will be used to generate a summary report drawing together the three themes, informing follow on workshops and supporting peer reviewed publications.



## END USERS

End users use value-added products to make critical safety and economic decisions, inform day-to-day activities and plan for the future.



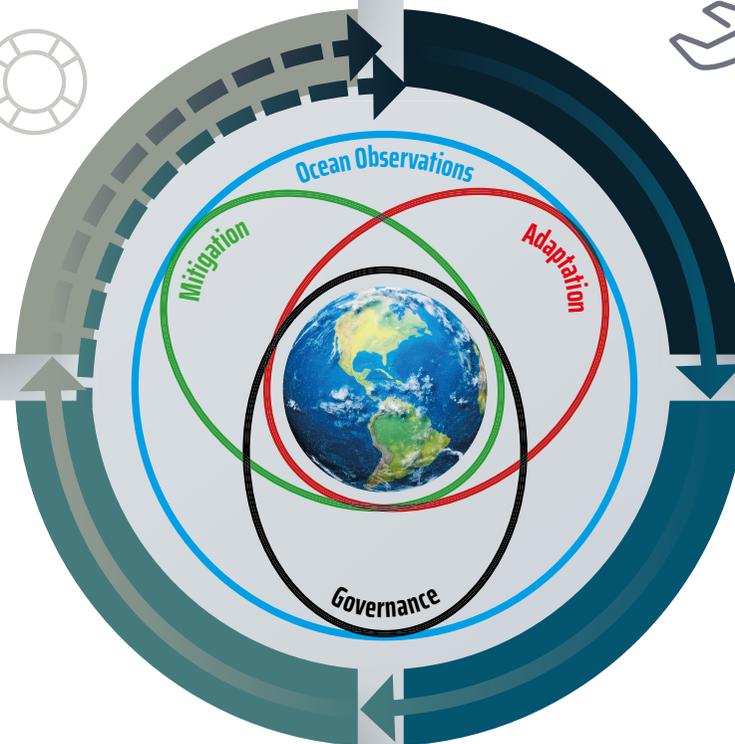
## OBSERVATIONS & MEASUREMENTS

Ocean data and information are gathered everyday using a host of technologies in the water, in the air and in orbit.



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## INTERMEDIARIES

Public and private intermediary businesses and organisations use data and information to create value-added information products.



## DATA SYNTHESIS & MODELING

Observations and measurements are collected and integrated into data portals and models.

