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2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development

OCEAN SCIENCE DAY 2023



22 JUNE 2023 | 10:00-18:00 CEST
UNESCO HEADQUARTERS, PARIS
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OCEAN SCIENCE DAY

A traditional part of the Assemblies of the Intergovernmental Oceanographic Commission of UNESCO, Ocean Science Day brings together panels, lectures and discussions on emerging issues that require international collaboration in marine science and technology. It also highlights priorities for new ocean science and technologies to benefit society and explores the role of the UN Decade of Ocean Science for Sustainable Development in catalyzing innovative and transformative ocean science and knowledge for sustainable development.

This full-day session, which is open to Assembly delegates and publicly livestreamed, provides an opportunity to showcase the relevance of ocean science for the sustainability of our planet and to engage both the scientific community and national decision-makers in cross-cutting thematic discussions.

DAY PROGRAMME

10:00-11:45 **Panel: Shaping our future ocean: the IOC/UNESCO contribution to the Ocean Decade**

COFFEE BREAK

12:00-13:00 **Mário Ruivo Memorial Lecture**

LUNCH BREAK

15:00-16:15 **Panel: Key Challenges for Ocean-Climate Science**

COFFEE BREAK

16:30-18:00 **Anton Bruun Memorial Lecture**



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SHAPING OUR FUTURE OCEAN: THE IOC/UNESCO CONTRIBUTION TO THE OCEAN DECADE

This segment spotlights IOC/UNESCO's contributions to the UN Decade of Ocean Science for Sustainable Development 2021-2030 ('the Ocean Decade'), showcasing the Commission's diverse partners.

PANEL 1: GENERATING AND USING SCIENCE AND KNOWLEDGE FOR SUSTAINABLE DEVELOPMENT

Moderator: Julian Barbière, IOC/UNESCO

Steve Widdicombe, Plymouth Marine Laboratories, UK
Nadia Pinardi, University of Bologna, Italy
Joseph Zelasney, United Nations Food and Agriculture Organisation (FAO)
Dwikorita Karnawati, Meteorology, Climatology, and Geophysical Agency of Indonesia (BMKG)
Elisa Berdalet, Institute of Marine Sciences (ICM-CSIC), Spain
Peter Haugan, University of Bergen, Norway

PANEL 2: BUILDING THE INFRASTRUCTURE AND ENABLING ENVIRONMENT FOR THE OCEAN DECADE

Moderator: Alison Clausen, IOC/UNESCO

Paula Sierra, INVEMAR, Colombia
Craig Sherman, Deakin University, Australia
Jaco Stemmet, Fugro
Alfredo Giron, World Economic Forum
Juan Camilo Forero, Colombian Ocean Commission
Roberto de Pinho, Group of Experts of World Ocean Assessment

KEYNOTE: TOWARDS THE 2024 OCEAN DECADE CONFERENCE

Luis Valdes & Rafael Gonzalez Quiros
Spanish Institute of Oceanography (IEO-CSIC)



The Mário Ruivo Memorial Lecture is an initiative endorsed by the Ocean Decade and promoted by IOC/UNESCO, EurOceon and the Portuguese Government, to stimulate and recognise early career ocean researchers' contributions to the 2030 Agenda for Sustainable Development and to the vision of the UN Decade of Ocean Science for Sustainable Development 2021-2030.

The initiative honors Professor Mário Ruivo, former Executive Secretary of IOC/UNESCO, and his long-life commitment to ocean science and the sustainability of the ocean. It celebrates his significant contributions to the work of IOC/UNESCO, most notably ocean knowledge, governance, capacity development, literacy, and international cooperation.

LECTURE:

I GET BY WITH A LITTLE KELP FROM MY FRIENDS: BUILDING THE KELP FOREST ALLIANCE, A COLLABORATIVE GLOBAL MOVEMENT TO PROTECT AND RESTORE OUR UNDERWATER KELP FORESTS

Aaron M. Eger
University New South Wales
The Kelp Forest Alliance



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SCIENCE PANEL: KEY CHALLENGES FOR OCEAN-CLIMATE SCIENCE

This segment illustrates the importance of integrated Ocean Carbon Research, which aims at filling knowledge gaps in relation to ocean carbon by designing and promoting the implementation of a new generation of integrated ocean carbon research. The segment includes panelists and partner presentations around the major themes, which urgently need to be addressed to understand the ocean carbon cycle, and the ocean's role in the regulation of our climate.

PANELISTS

Moderator: Henrik Enevoldsen, IOC/UNESCO

Nicolas Gruber, Eidgenössische Technische Hochschule Zürich, Switzerland

Adrian Martin, National Oceanography Centre, UK

Piere Regnier, Université libre de Bruxelles, Belgium

Chris Vivian, Chair of GESAMP41

PARTNER PRESENTATIONS

Moderator: Henrik Enevoldsen, IOC/UNESCO

SOLAS – Parvadhya Suntharalingam (University of East Anglia, UK)

IMBeR – Nina Bednaršek (National Institute of Biology, Slovenia)

G7 FS01 – Maria Grigoratou (Mercator Ocean International, France)



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ANTON BRUUN MEMORIAL LECTURE

The Anton Bruun Memorial Lecture Series is dedicated to the memory of the noted Danish oceanographer and first chairman of the Commission, Dr Anton Frederick Bruun. The Anton Bruun Memorial Lectures were established in accordance with Resolution 19 of the 6th session of the IOC Assembly (1970), in which the Commission proposed that important intersession developments be summarised by speakers in the fields of solid earth studies, physical and chemical oceanography and meteorology, and marine biology.

LECTURE:

NUTRIENT POLLUTION: THE FORGOTTEN PARAMETER

Alexander Bouwman
University of Utrecht, Netherlands

The Anton Bruun Memorial Lecture and Medal honour Dr Bouwman's outstanding contribution to understand and model global flux of nutrient from land-based sources to the ocean.



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OCEAN SCIENCE DAY 2023 HOW TO PARTICIPATE

The event is available in person for all delegates to the 32nd Session of the IOC/UNESCO Assembly.

Ocean Science Day 2023 is also available to the public via [Livestream](#) on the UNESCO Youtube Channel.

JOIN THE LIVESTREAM

You can watch the Ocean Science Day 2023 in:
English | Français | Español | Русский

[Click here to access all language livestreams.](#)

INTERACT WITH THE EVENT

Whether you are participating in the Ocean Science Day 2023 in person, or following the livestream, you can interact with the panels and keynote speakers via Slido.com.

Simply open <http://slido.com> on your browser, and type in the Event Code "OceanScience" to access the Q&As.

[Or click here directly.](#)

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