

Ocean Carbon From Space Workshop

Venue: Virtual Online Event

Dates: 14 - 18 February, 2022

ESA, together with PML and support from NASA, is organising an [Ocean Carbon From Space Workshop](https://oceanarbonfromspace2022.esa.int/), to be held virtually from 14 to 18 February 2022. Abstract submission is now open, and will close on **8 December 2022**.

This workshop is being organised as the second workshop in the CLEO (Colour and Light in the ocean from Earth Observations) Series and is a contribution to the Committee on Earth Observation Satellites (CEOS) Work Plan on the Aquatic Carbon Application area, as endorsed by the CEOS Ocean Colour Radiometry Virtual Constellation (OCR-VC) founded within the International Ocean Colour Coordinating Group (IOCCG).

The main objectives of the workshop are to bring together remote sensing scientists, field scientists and modellers around the common topic of ocean carbon, its pools and fluxes, its variability in space and time and the understanding of its processes and interactions with the earth system. The aim is to articulate a collective view of the current status, identify gaps in knowledge and formulate the scientific roadmap for the next decade, with an emphasis on evaluating where Earth Observations (EO) may contribute.

The workshop is being organised as a series of sessions targeting specific themes. Each session will consist of invited talks, contributed oral and poster presentations, and a group discussion. The workshop will conclude with a synthesis and recommendation session.

We invite submission of abstracts contributing to the following themes:

Pools of Carbon in the Ocean

1. Particulate Organic Carbon
2. Phytoplankton Carbon
3. Particulate Inorganic Carbon
4. Dissolved Organic Carbon
5. Dissolved Inorganic Carbon

Main processes

6. Marine Primary Production
7. Export Production
8. Underwater Light Field
9. Air-Sea Exchanges
10. Land-Sea Exchanges

Crosscutting themes

11. Uncertainty Estimates
12. Freshwater Carbon
13. Blue Carbon
14. Extreme Events, Tipping Points and Impacts on Carbon
15. Climate Variability and Change
16. Ocean Carbon Budget: How Close to Closure?

For more information about the workshop and abstract submission see <https://oceanarbonfromspace2022.esa.int/>