

Ocean Carbon From Space 2022 Workshop

The background of the slide features a dark blue map of the Atlantic Ocean. Overlaid on the map are several white line-art icons of satellites in orbit. Teal-colored arrows indicate the orbital paths of these satellites, crisscrossing the ocean area. The overall theme is space-based oceanography.

Next Steps and Closing Remarks

Shubha Sathyendranath, Marie-Helene Rio
Gemma Kulk, Robert Brewin, Javier Concha

What next?

Our starting point: what we are capable of, some 2-3 years ago (Brewin et al. 2021).

This Workshop: Five intense days of presentations on how far we have pushed the envelope, from multiple directions. New and exciting findings, new methods

- A scientific Roadmap, which will
- incorporate current capabilities;
 - identify gaps
 - Set priorities for the future

This will be designed as a **community white paper**.

Will be submitted for publication in a special issue on “Aquatic carbon stocks and fluxes: The big picture from remote sensing” in *Earth-Science Reviews*.

Who will lead? S. Sathyendranath, G. Kulk, R. Brewing, M.-H. Rio

Who will contribute: All co-chairs and keynote speakers are invited to contribute. Any of the participants who would like to contribute, please get in touch with us. Priority will be given to those who contributed abstracts, if we have more volunteers than we can cope with.

Deadlines

Manuscript submission:

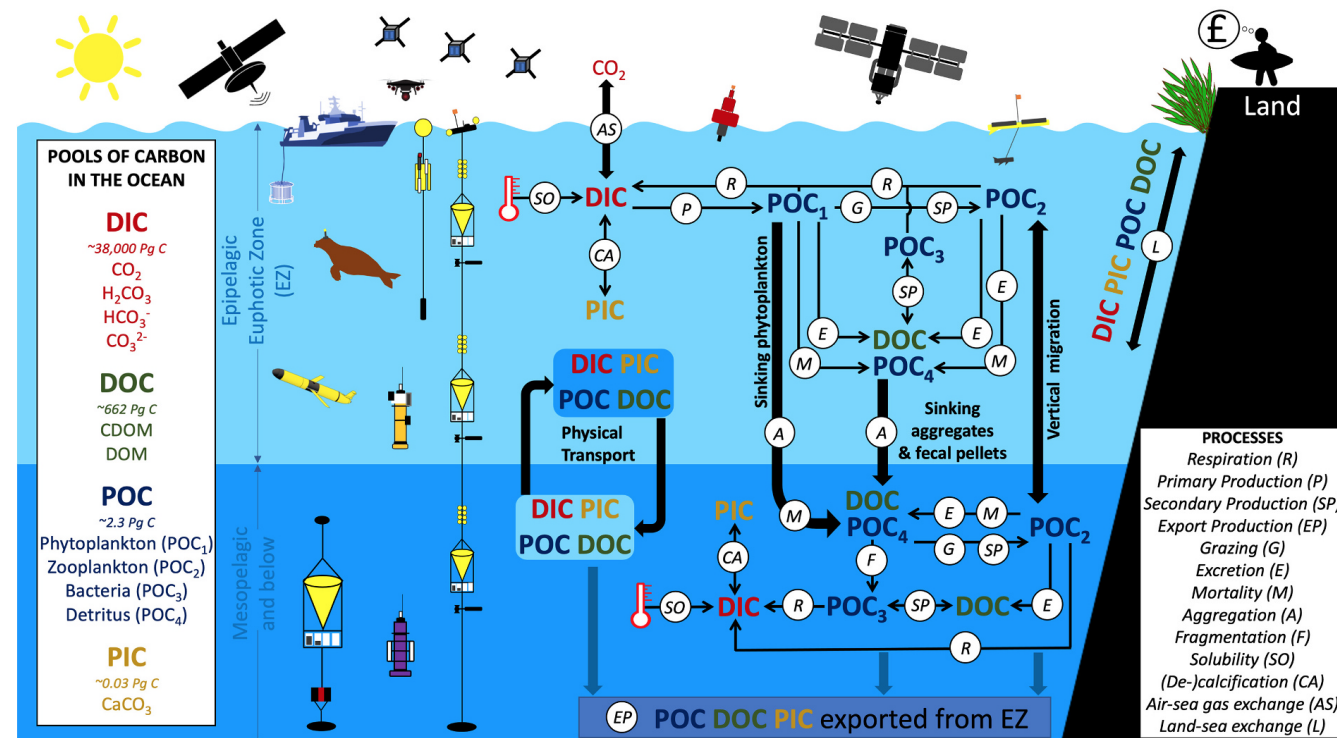
May

Co-chairs to send in their session reports:

11 March

Volunteers to offer contributions:

11 March



Follow up Action 2

Special Issue: Volume 2:

Colour and Light in the Ocean from Earth Observations (CLEO) in *Frontiers in Marine Science*.

We have received **43 positive replies** to our enquiry about this.

So **we will proceed with this**, and inform the journal accordingly.

They will come back and ask for potential titles and authors. Could you please write to: bicep@pml.ac.uk

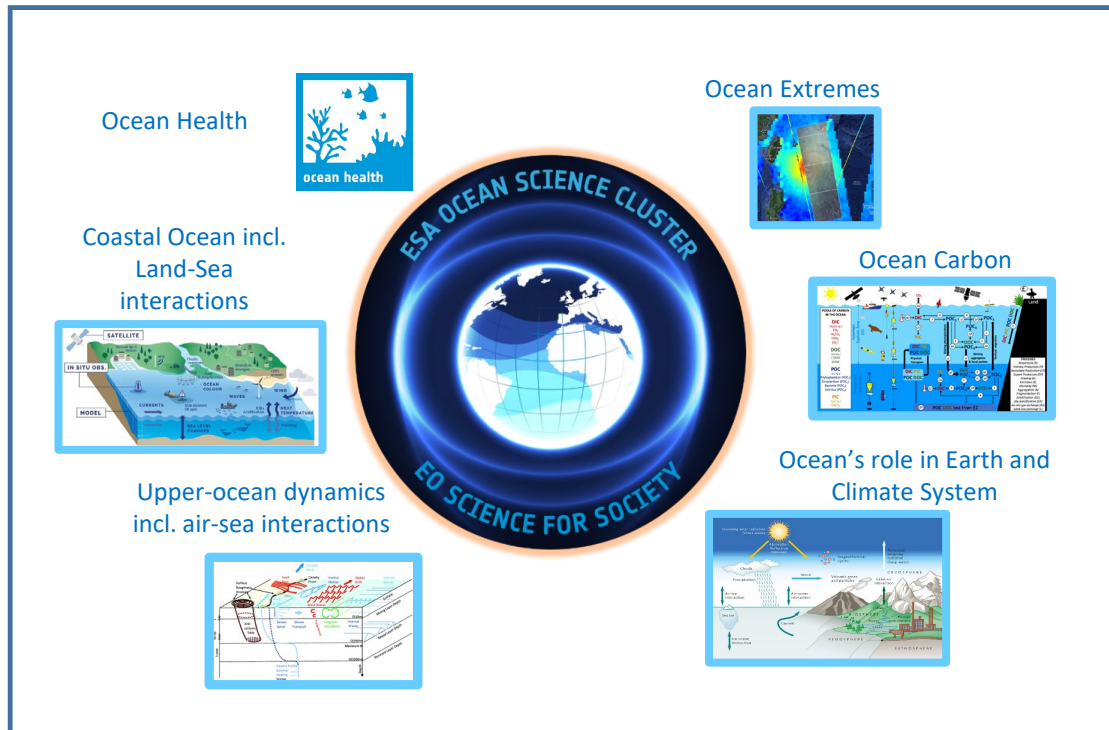
With title and authors (you will be able to change them afterwards, if needed).

Deadline: 11 March

Deadline for submission of manuscripts: September 2022?

Note: Manuscripts will be published as and when they are accepted, and will not have to wait for the last paper to be accepted.

Nest steps on ESA side



ESA will build on the Workshop outputs and recommendations to prepare new Calls on Ocean Carbon related topics (Ocean Carbon Budget, Blue Carbon,...), to be issued in 2022, in particular in the frame of the ESA Ocean Science Cluster and the EC-ESA Earth System Science Initiatives

-> Ocean Carbon From Space 2022 Workshop

living planet symposium

BONN
23–27 May
2022

TAKING THE PULSE
OF OUR PLANET FROM SPACE

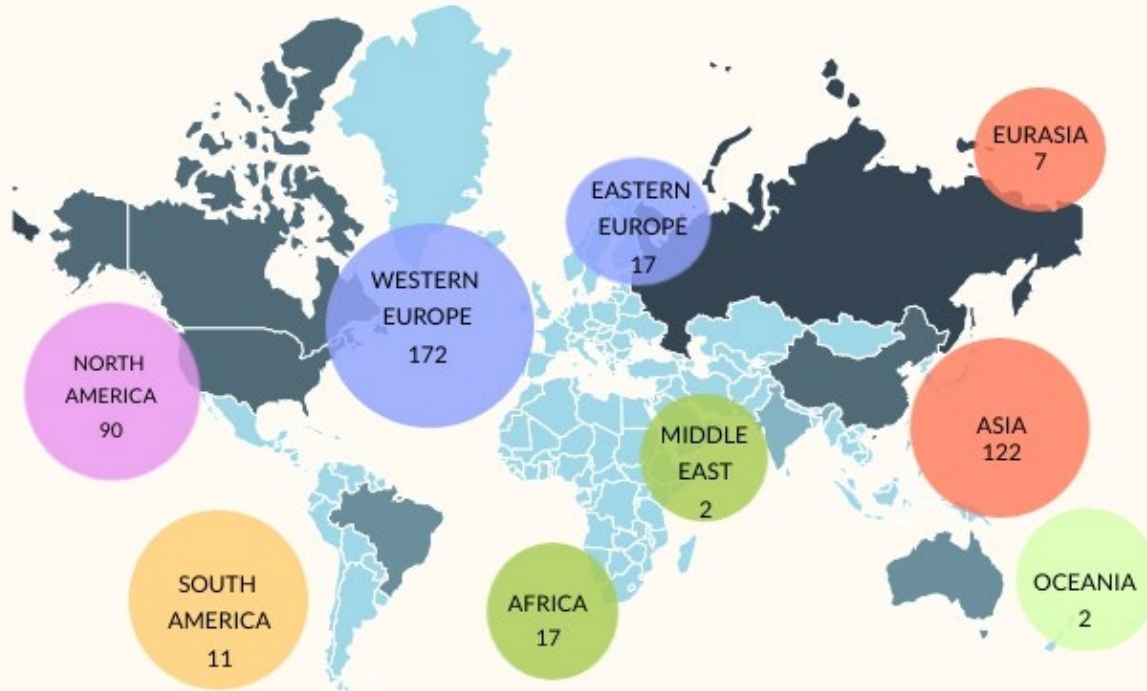
- Ocean Carbon From Space
- Ocean Health
- Ocean Extremes
- Colour and Light in the Ocean from Earth Observation
- Upper-Layer Ocean Circulation from Space
- Observing small-scale ocean dynamics at the interfaces of the Earth System
- Ocean Doppler: Challenges and Opportunities for Future Missions of Global Ocean Surface Currents
- Remote-sensing of Ocean Waves and their Applications

-> Ocean Carbon From Space 2022 Workshop

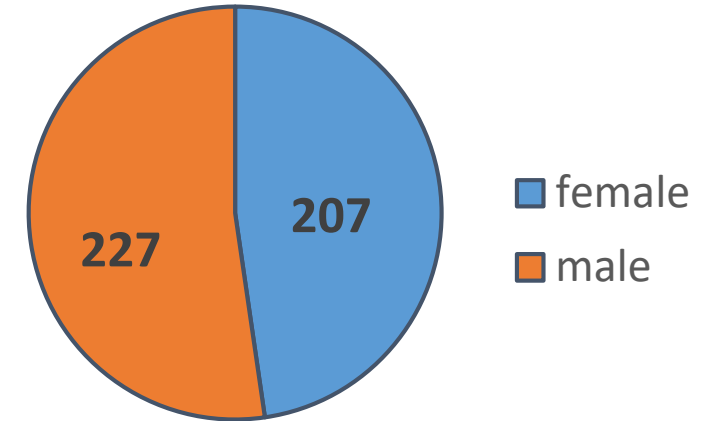
The Workshop in Numbers

Total Registration: 434

Region Representation



Gender Distribution



International Day of Woman and Girls in Science



Thank you!

All members of the Organising and Scientific Committees

The chairs of various sessions

All Speakers and E-poster presenters

Participants from around the globe

The brilliant and dedicated ESA Conference Support Team

(many of whom sacrificed holidays and sleep to participate)



