

Highlights from the New Year

Science Plan writing and editing is underway!

International Implementation Committee convenes in-person workshop.

BioGeoSCAPES Early Career Fellows looking forward to spring workshop in Los Angeles.

SCIENCE PLAN

Thank you to the interdisciplinary team of 60+ volunteer authors for their outstanding contributions to the draft Science Themes and accompanying chapters in the BioGeoSCAPES Science Plan. Writing and editing continues at a rapid pace and we look forward to sharing the full BioGeoSCAPES Science Plan later in 2025.

INTERNATIONAL BIOGEOCAPES ANNOUNCEMENTS



The International Implementation Committee (IIC) convened on the MIT campus February 11-13, 2025, for an in-person workshop to develop an implementation strategy for the science plan. Using feedback obtained from 16 nations, the IIC developed an implementation plan that leverages the community's collective knowledge, sets forth opportunities to take advantage of emerging technologies, and prioritizes research capacity development. [Click here](#) to explore the members of the BioGeoSCAPES community, including the International Implementation Committee.

CONNECT WITH US!

 [Click here](#) to follow BioGeoSCAPES on LinkedIn!

Visit <https://biogeoscapes.org> and scroll to the bottom to subscribe for future Newsletters and other email updates.



ACCELNET BioGeoSCAPES Early Career Fellows

Second Fellows Cohort Workshop Happening Soon!

BioGeoSCAPES is excited to welcome the second Fellows cohort for an in-person workshop this spring in Santa Monica, CA! Originally planned for January 2025 and postponed due to the devastating LA wildfires, this workshop will provide valuable time for the cohort to finalize plans they have been developing remotely since Fall 2024 to further opportunities for networking and capacity development within the BioGeoSCAPES community.

About the cohort: This cohort includes 15 early career researchers from across the world working in experimental and modeling backgrounds in the areas of ocean metabolism, biogeochemical cycling, biological oceanography, chemical oceanography, and marine microbiology. [Click here](#) to learn more about the BioGeoSCAPES Fellows Program.

Pictured right: Fellows from the first and second cohorts met up recently at ASLO for an informal social gathering. Email Project Coordinator, Leslie Wallace Auerbach (lwallaceauerbach@whoi.edu) to let us know if you're headed to a conference soon and looking to connect with other members of the BioGeoSCAPES community!



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Loay Jabre
Lebanon | Canada | USA



Anabel von Jackowski
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Denmark



Katherine Roche
USA



Swan Sow
Netherlands | France
Malaysia



Johan Viljoen
UK | South Africa



Clara Vives
Denmark



Jakob Weis
Australia



ACCELNET ACTIVITIES

Standardization and Intercalibration

There is currently no single gold standard practice for the collection, preservation, or processing of metagenomics, metatranscriptomics, metaproteomics, metabarcoding, and eDNA samples—nor is there a sense of how variable these measures might be among labs or research cruise endeavors. Intercomparison and intercalibration of 'omic studies is a critical component of BioGeoSCAPES. Visit <https://biogeosciences.org/standardizationandintercalibration/> to learn more!

Modeling

Interested in learning to integrate models to address BioGeoSCAPES relevant questions? Join us May 13, 20, and 27 at 15:00 GMT for a three-part webinar series designed to engage modelers and experimentalists! We'll discuss cellular scale, biogeochemical, network and statistical modeling approaches. Visit www.biogeosciences.org/activities to register!

RESOURCES

Jobs & Postdocs

Looking for a postdoc or other position? Check out www.biogeosciences.org/jobs for an up-to-date list of opportunities! Want to advertise a position with us? Email info@biogeosciences.org with the details.

Funding Database

Looking for funding to support your BioGeoSCAPES-relevant collaboration? Our team maintains a list of funding opportunities that can be sorted by funding agency, partner nations, and other metrics. [Click here](#) to check it out.

Upcoming Opportunities List

Looking for upcoming BioGeoSCAPES-relevant activities like workshops, conferences, and webinars? Our team maintains a list of opportunities and we welcome additions if you know of something we should include! [Click here](#) to check it out.



Or visit
www.biogeosciences.org/activities



THREE-PART MODELING WEBINAR SERIES

Register Now!

May 13, 15:00 GMT | Biogeochemical Models

Presenters: Pearse Buchannan, Sinikka Linartz
Moderators: Al Tagliabue, Sophie Clayton

May 20, 15:00 GMT | Network and Statistical Approaches

Presenters: Corday Selden, Lionel Guidi
Moderators: Sophie Clayton, Christoph Volker

May 27, 15:00 GMT | Cellular Scales

Presenters: Daniel Segre, Suzana Leles
Moderators: Damien Eveillard, Naomi Levine



Featured Opportunities



[AtlantECO Final Scientific Conference](#) [One Ocean, One health : Microbiomes of the Atlantic seascape](#)

15-19 September, Ponta Delgada - Azores, Portugal

An opportunity for AtlantECO partners and other European and international research projects to present and discuss their latest findings and approaches.

- Abstract submission period: 1st March-30th April
 - Abstract review & decision period: 1-30 May
 - Registration: 1st March-30th June
- To register click here : <https://lnkd.in/dWdrZadF>

Registration is now live for the [Southern Ocean Bio-optics Workshop](#). To make the most from the PACE mission, this workshop will bring together experts in bio-optics, ocean remote sensing, photophysiology, biogeochemical modelling, and atmospheric processes.

Together, through plenary talks and breakout sessions, participants will formulate how to harmonise sampling to better link float and satellite observations, design photophysiology experiments to inform improved model parameterisations, and develop linkages across plankton, aerosols, clouds and ecosystems.

When: 10-14 November 2025

Where: Institute for Marine and Antarctic Studies, Hobart Australia

[Click here](#) for more information.

Southern Ocean Bio-optics Workshop



Reconciling bio-optics, photophysiology, and floristics in the PACE era

10-14 November 2025

Institute for Marine and Antarctic Studies
University of Tasmania
Hobart, Australia

Plenary Speakers

Mike Behrenfeld (OSU, USA)
Heidi Dierssen (UConn, USA)
Jay Mace (UoL, USA)
Nina Schuback (Switzerland)
Charlie Stock (NOAA, USA)
Robert Strzepek (UTAS, Australia)
Julia Uitz (LOV, France)

Registration Fee

250 AUD
Space is limited

Organising Committee

David Antoine, Philip Boyd, Christina Schallenberg, Robert Strzepek

For more information visit:
<https://aappartnership.org.au/seminars/#bio-optics-workshop>



Rationale

The Southern Ocean plays key roles in the ocean carbon cycle and is projected to encounter complex changes in the coming decades of the Anthropocene. Despite multiple decades of ocean colour observations, uncertainty in derived parameters for this oceanic province is large compared to other regions.

The bio-optical and photo-physiological parameters of the Southern Ocean may differ from other ocean basins due to a fundamentally different phytoplankton community with unique photo-physiological strategies. Large uncertainties are therefore suspected in the quantification of primary productivity in this ocean region.

With the launch of hyperspectral sensors such as the NASA Plankton, Aerosols, Clouds and Ecosystem (PACE) mission, there is an opportunity now for a synthesis and gap identification to occur. Expectations from such missions are decreased uncertainties in the parameters derived from multi-spectral instruments and a better capability to identify phytoplankton groups.

To make the most from the PACE mission, this workshop will bring together experts in bio-optics, ocean remote sensing, photophysiology, biogeochemical modelling, and atmospheric processes.

Together, through plenary talks and breakout sessions, participants will formulate how to harmonise sampling to better link float and satellite observations, design photophysiology experiments to inform improved model parameterisations, and develop linkages across plankton, aerosols, clouds and ecosystems.