

## Highlights from Autumn 2024

ACCELNET BioGeoSCAPES sent instructors and supplies to Coastal Ocean Environment Summer School in Nigeria and Ghana (COESSING) this summer.

BioGeoSCAPES Early Career Fellows convened a workshop at Santa Fe Institute in August 2024.

Second cohort of BioGeoSCAPES Fellows just announced!



### CONNECT WITH US!



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



You can also stay in touch by following us on Twitter/X ([@biogeosciences](#)) and BlueSky ([@biogeosciences.bsky.social](#))

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

## SCIENCE PLAN

An interdisciplinary team of almost 40 volunteer scientists, representing ten nations, has been collaboratively writing the three main research theme chapters of the BioGeoSCAPES Science Plan, outlined during the International Science Planning Workshop in November 2023. We are thankful for their dedication and time. First drafts were recently shared with the International Implementation Committee, who will convene in-person in February 2025 to collaboratively draft the Implementation section of the Science Plan. Drafts have also been shared with all participants of the November 2023 Science Planning Workshop. We are eager to incorporate feedback and share a final version of the Science Plan in late 2025.

## INTERNATIONAL BIOGEOSCAPES ANNOUNCEMENTS

The International Implementation Committee (IIC) has continued to meet quarterly in a virtual format to discuss implementation strategies related to the Science Plan. The IIC is currently tasked with reviewing the draft Science Plan and discussing with their other National Ambassadors how their nations and/or regions will engage with and be supported by BioGeoSCAPES. Feedback from these discussions will be incorporated in the Implementation Section of the Science Plan. [Click here](#) to explore the members of the BioGeoSCAPES community, including the International Implementation Committee.

## UPDATES FROM THE ACCELNET

### BioGeoSCAPES at the UN General Assembly Science Summit

BioGeoSCAPES was invited to join other NSF AccelNet and EU COST Action projects for a discussion on data sharing and security in international projects at the 2024 United Nations General Assembly Science Summit in September in New York, NY. The Science Summit unites thought leaders, scientists, innovators, policymakers, regulators, financiers, philanthropists, and journalists to increase collaborations across a broad spectrum of themes including health, agriculture, astronomy, the environment, climate, geodesy and space. Click [here](#) to learn more.



### Capacity Building in Nigeria

AccelNet BioGeoSCAPES was excited to support the Coastal Ocean Environment Summer School in Nigeria and Ghana (COESSING) by sending lab teaching supplies and two researchers to Lagos, Nigeria, to provide instruction on 'omics and biogeochemistry laboratory and data processing techniques to over 130 scientists. We are particularly grateful to Dr. Katie Roche, a BioGeoSCAPES Fellow and former Peace Corps volunteer, who secured valuable donations of laboratory supplies for donation to the Nigerian institutions that hosted COESSING this summer. BioGeoSCAPES looks forward to supporting future summer schools in Ghana and Kenya. Visit <https://coessing.org> to learn more.



BioGeoSCAPES was excited to support the Coastal Ocean Environment Summer School In Nigeria and Ghana (COESSING) in Lagos, Nigeria, this summer! Over 130 participants learned field and lab techniques taught by researchers from around the world. Learn more at [www.coessing.org](http://www.coessing.org).



### AccelNet Fellows Workshop at Santa Fe Institute



The first cohort of BioGeoSCAPES Early Career Fellows convened for a workshop, "A Changing Epistemology for a Changing Ocean: Outlining Priorities for Interdisciplinary, Collaborative, Biological Oceanography and Biogeochemistry," hosted by Santa Fe Institute. A sincere thank you to our guest speakers, Dr. Philip Boyd, Dr. Andy Rees, Dr. Martin Visbek and Dr. Travis Holmes for joining as guest speakers. [Click here](#) to read more about the workshop and [here](#) to learn more about our Fellows program.

## Second Fellows Cohort Announced!

BioGeoSCAPES is excited to welcome the second cohort of Fellows! 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 our Fellows.



Early Career  
Fellows  
Program

Second Cohort



Catherine Bannon  
Germany



Raquel Flynn  
South Africa | USA



Sharvari Gadegaonkar  
India | France



Paula Huber  
Brazil



Loay Jabre  
Lebanon | Canada | USA



Anabel von Jackowski  
Sweden | Switzerland



Pauline Latour  
Australia



Alastair Lough  
UK



Julien Middleton  
USA



Christian Furbo Reeder  
Denmark



Katherine Roche  
USA



Swan Sow  
Netherlands | France  
Malaysia



Johan Viljoen  
UK | South Africa



Clara Vives  
Denmark



Jakob Weis  
Australia

## BioGeoSCAPES at the AccelNet Annual Meeting

BioGeoSCAPES was represented at the AccelNet Annual Meeting held in October 2024 in Alexandria, Virginia. BioGeoSCAPES Fellow, Edgart Flores, was selected to participate in the AccelNet Early Career Professional Development Workshop hosted by AccelNet and co-facilitated by Marisa Rinkus at [Toolbox Dialogue Initiative](#) and Leslie Smith at [Your Ocean Consulting, Inc.](#) He then joined other BioGeoSCAPES personnel at the annual AccelNet meeting where they together attended panels and breakout sessions with PIs and coordinators from other AccelNet-funded projects. The team left with new networks and ideas in place to help BioGeoSCAPES continue to grow and expand.



## 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? Webinars and workshops designed to engage modelers and experimentalists are in the planning phase. Keep an eye on the website for future updates!

## RESOURCES

### Jobs & Postdocs

Looking for a postdoc or other position? Check out [www.biogeosciences.org/jobs](http://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.