BIOGEOSEA

Ocean Insights for the Future

Help improve biogeochemical ocean observations

Improving the performance of biogeochemical EOV observational technologies.

Biogeochemical EOVs are critical for understanding ocean change. However, current observations still face technological, methodological and operational challenges.

We are gathering input from the research community to assess the **capabilities, limitations and robustness of observational technologies,** and to capture confidence in existing techniques and practices.

Scan to take the survey: (~10 minutes)

Results will inform a BioGeoSea workshop (March 2026)

biogeosea.eu

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Why participate

Your input will help:

- Identify **priority areas** and avenues for improvement
- Discuss **remaining gaps** in current observations
- Define **development needs across regions and applications**

Survey results will feed directly into a BioGeoSea workshop (March 2026) dedicated to the state and future of biogeochemical observations.

Scope

Biogeochemical EOVs and key sub-variables addressed in BioGeoSea:

EOV	Sub-variable
Oxygen	Dissolved O_2
Inorganic Carbon	pCO_2, DIC, total alkalinity (TA), pH
Organic Carbon	DOC, POC
Nitrous Oxide	N_2O
Inorganic Nutrients	NO_3-, NO_2-, NH_4, PO_4, $Si(OH)_4$
Stable Carbon Isotopes	^{12}C, ^{13}C
Transient Tracers	CFCs, SF_6, ^{39}Ar, ^{3}He