Resource Summary Report

Generated by NIF on Sep 3, 2026

BCO-DMO

RRID:SCR_002191
Type: Tool

Proper Citation

BCO-DMO (RRID:SCR_002191)

Resource Information

URL: http://www.bco-dmo.org/

Proper Citation: BCO-DMO (RRID:SCR_002191)

Description: Accepts and provides access to marine biogeochemical and ecological data sets from NSF-funded research programs. BCO-DMO is also the data repository for the US GLOBEC and JGOFS programs.

Abbreviations: BCO-DMO

Synonyms: Biological and Chemical Oceanography Data Management Office, Biological & Chemical Oceanography Data Management Office

Resource Type: data or information resource, data repository, data set, service resource, storage service resource

Keywords: marine, biogeochemical, ecological, ocean, oceanographic, biology, polar

Funding: NSF

Availability: The community can contribute to this resource, For use by the academic and scientific community, Acknowledgement required, See terms of use, Non-commercial, Commercial with written permission

Resource Name: BCO-DMO

Resource ID: SCR_002191

Alternate IDs: nlx_154701

Record Creation Time: 20220129T080212+0000

Record Last Update: 20260829T182114+0000

Ratings and Alerts

No rating or validation information has been found for BCO-DMO.

No alerts have been found for BCO-DMO.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 29 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Fumenia A, et al. (2025) Long term decline of the planktonic biomass in a hotspot of nitrogen fixation. Nature communications, 16(1), 11697.

Kellogg NA, et al. (2025) Marine Community Metabolomes in the Eastern Tropical North Pacific Oxygen Deficient Zone Reveal Glycine Betaine as a Metabolic Link Between Prochlorococcus and SAR11. Environmental microbiology, 27(8), e70119.

Baker KS, et al. (2024) The Incremental Growth of Data Infrastructure in Ecology (1980-2020). Ecology and evolution, 14(12), e70444.

Dykman LN, et al. (2023) Parasite diversity at isolated, disturbed hydrothermal vents. Proceedings. Biological sciences, 290(2000), 20230877.

Balch WM, et al. (2023) Osmotrophy of dissolved organic compounds by coccolithophore populations: Fixation into particulate organic and inorganic carbon. Science advances, 9(21), eadf6973.

Bell LE, et al. (2022) Standing Crop, Turnover, and Production Dynamics of Macrocystis pyrifera and Understory Species Hedophyllum nigripes and Neoagarum fimbriatum in High Latitude Giant Kelp Forests. Journal of phycology, 58(6), 773.

Adams JC, et al. (2022) Dissolved organic phosphorus utilization by the marine bacterium Ruegeria pomeroyi??DSS-3 reveals chain length-dependent polyphosphate degradation. Environmental microbiology, 24(5), 2259.

Saunders JK, et al. (2022) Microbial functional diversity across biogeochemical provinces in the central Pacific Ocean. Proceedings of the National Academy of Sciences of the United States of America, 119(37), e2200014119.

Godrijan J, et al. (2022) Osmotrophy of dissolved organic carbon by coccolithophores in darkness. The New phytologist, 233(2), 781.

Kevorkian RT, et al. (2022) Cryptic Methane-Cycling by Methanogens During Multi-Year Incubation of Estuarine Sediment. Frontiers in microbiology, 13, 847563.

van Woesik R, et al. (2022) Coral-bleaching responses to climate change across biological scales. Global change biology, 28(14), 4229.

Clements CS, et al. (2021) Biodiversity has a positive but saturating effect on imperiled coral reefs. Science advances, 7(42), eabi8592.

Mullineaux LS, et al. (2020) Prolonged recovery time after eruptive disturbance of a deep-sea hydrothermal vent community. Proceedings. Biological sciences, 287(1941), 20202070.

Edmunds PJ, et al. (2020) High ecological resilience of the sea fan Gorgonia ventalina during two severe hurricanes. PeerJ, 8, e10315.

Chang WK, et al. (2020) Topological analysis reveals state transitions in human gut and marine bacterial communities. NPJ biofilms and microbiomes, 6(1), 41.

Clements CS, et al. (2019) Biodiversity enhances coral growth, tissue survivorship and suppression of macroalgae. Nature ecology & evolution, 3(2), 178.

Newcomb LA, et al. (2019) Only as strong as the weakest link: structural analysis of the combined effects of elevated temperature and pCO2 on mussel attachment. Conservation physiology, 7(1), coz068.

Diaz JM, et al. (2019) Preferential utilization of inorganic polyphosphate over other bioavailable phosphorus sources by the model diatoms Thalassiosira spp. Environmental microbiology, 21(7), 2415.

Zinke LA, et al. (2018) Sediment Microbial Communities Influenced by Cool Hydrothermal Fluid Migration. Frontiers in microbiology, 9, 1249.

Wear EK, et al. (2018) Primer selection impacts specific population abundances but not community dynamics in a monthly time-series 16S rRNA gene amplicon analysis of coastal marine bacterioplankton. Environmental microbiology, 20(8), 2709.