

Resource Summary Report

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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 set, data repository, service resource, storage service resource, data or information 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: 20260817T040319+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 [dkNET](#).

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 *Neogagarum 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.

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.

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

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.