Resource Summary Report

Generated by NIF on May 5, 2025

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

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: 20250505T053410+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 25 mentions in open access literature.

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

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.

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.

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

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

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.

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

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.

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

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.

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.

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.

Balch WM, et al. (2018) Vertical Distributions of Coccolithophores, PIC, POC, Biogenic Silica, and Chlorophyll a Throughout the Global Ocean. Global biogeochemical cycles, 32(1), 2.

Liu Q, et al. (2018) Light and temperature control the seasonal distribution of thaumarchaeota in the South Atlantic bight. The ISME journal, 12(6), 1473.

Garcia CA, et al. (2018) Nutrient supply controls particulate elemental concentrations and ratios in the low latitude eastern Indian Ocean. Nature communications, 9(1), 4868.

Chan F, et al. (2017) Persistent spatial structuring of coastal ocean acidification in the California Current System. Scientific reports, 7(1), 2526.