

Readme Documentation Data for associated publication: Nitrogen availability and species identity control biodiversity effects on phytoplankton bloom Formation (Kopp et al.)

Author Readme: Sophia Kopp
Date Readme: [2026-09-22]

Dataset information

Titel of data: "Data_publication_DialysisBagExperiment"
Place: Biocenter LMU, Martinsried, Deutschland
Version: 1.0

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Project: BLIC - Blooms like it colorful

Dataset description: This data set includes raw and processed data of the mentioned dialysis bag experiment. The data were collected to investigate the link between phytoplankton biodiversity and bloom formation. Dataset includes phytoplankton biomass proxies

Data Gathering: All data were collected in a laboratory microcosm experiment using dialysis bags;
FixArea was measured fluorometrically, biovolume data were obtained from microscopic counting (cell abundances)

Data Processing: FixArea values measured in bags were recalculated relative to total volume of the microcosms and corrected for contaminations by multiplication with fraction of inoculated species in bag;
species' fractions based on biovolume data
biovolume data were calculated from cell abundance and species-specific cell biovolumes

File list: Data are in one file
Format: [csv]