

FRESH2O ZOOPS

Synthesizing patterns and drivers of changes in lake zooplankton community dynamics worldwide

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Global change poses a major threat to biodiversity. To understand its effects on ecosystem functioning and the services nature provides, it is essential to analyze long-term trends in plant and animal communities. However, data on freshwater ecosystems—particularly on zooplankton—remain scarce and underfunded, despite their crucial role in the health of aquatic environments.

To address this gap, the project has compiled the most comprehensive dataset to date on freshwater zooplankton—microscopic animals vital to the functioning of healthy freshwater ecosystems.

The project team will use this dataset to address four key questions on how freshwater zooplankton dynamics are influenced by global change. Particular emphasis will be placed on ensuring the long-term use of the dataset and associated indicators beyond the duration of the project, through the development of a **user-friendly interface** and **open-access outputs** for researchers, educators, and resource managers.

CESAB (Centre for the Synthesis and Analysis of Biodiversity) is FRB's flagship program and an internationally renowned research center whose objective is to implement innovative work to synthesize and analyze existing data sets in biodiversity research.