

We envision:

A worldwide network of instrumented buoys on lakes, placing critical lake information at the fingertips of researchers, managers, and the general public

A research environment that fosters collaboration across disciplines and political borders

An international community of scientists, policy makers, and citizens invested in the future of fresh waters



Networked Lake Science



For more info visit gleon.org

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As well as the local and national funding agencies that support work by GLEON members and sites.

Photo credits: GLEON Members

Global Lake Ecological Observatory Network

Why?

Fresh water lakes and reservoirs provide drinking water, recreation, fisheries, carbon sequestration, and a host of other ecosystem services. Yet increasingly, their ability to provide these services is under stress. Better understanding of lake ecosystems is essential for sustaining these resources.

Network Science

Conduct and publish team science

Lead innovation of cyber infrastructure tools for streaming data from sensors to databases, assuring data quality, and conducting analyses

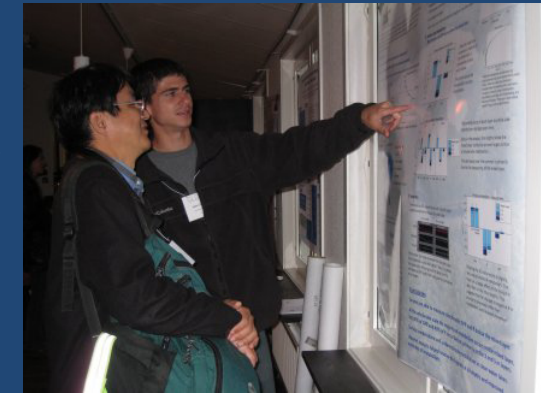
Deploy instrumented buoys on ecologically and societally important lakes around the world

Build human networks across national and disciplinary borders

Train students to be future leaders in aquatic ecology and international network science

Engage citizen groups such as lake associations in lake research

Disseminate information about lakes to the public



GLEON is an international grassroots network of limnologists, ecologists, information technology experts, and engineers. We have a common goal of building a scalable, persistent network of lake ecology observatories in order to improve understanding and management of lake ecosystems.

GLEON includes more than 65 lakes and more than 400 individual members from 45 countries on seven continents (as of July 2013). We always welcome new individual and site members!



visit gleon.org

Mission

The Global Lake Ecological Observatory Network conducts innovative science by sharing and interpreting high-resolution sensor data to understand, predict and communicate the role and response of lakes in a changing global environment.

Student Opportunities

Students and postdocs are encouraged to participate through the GLEON Student Association (GSA) in addition to GLEON meetings and working groups to practice team science.

