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

For more info visit gleon.org

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Photo credits: GLEON Members
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.

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.

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

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.