



GLOBAL LAKE ECOLOGICAL
OBSERVATORY NETWORK

NEW-TO-GLEON *Guide*

What is GLEON?

GLEON stands for Global Lake Ecological Observatory Network. The network is an international community of scientists, educators, policy makers and citizens that are invested in the future of fresh waters. It fosters a research environment in which collaborations across disciplines and political borders are valued.

900+
members



167 lakes
with buoys



28 meetings
and counting



Our mission

The Global Lake Ecological Observatory Network conducts international team science to advance our understanding of lakes and their benefits in a changing environment.



contact

WWW.GLEON.ORG

 @GLEONETWORK

 @GLEONETWORK.BSKY.SOCIAL

GLEON values:

- Inter-disciplinary lake science
- Empowered, diverse membership
- Informality, collegiality and collaboration
- Curiosity and creativity
- Sharing ideas, expertise and data
- Transparency of decision-making
- Professional development of members
- Open communication of results, tools and products

GLEON Meetings

A GLEON meeting is not like a typical conference. During the meeting, which usually lasts from Monday to Friday, you spend a lot of time in Working Groups brainstorming about research topics, and trying to come up with new, international ideas for projects. It is more like a large, international research workshop.

Meetings are alternated between in-person and virtual to give everyone in the community an opportunity to join the meetings.

- The average group size of the in-person meetings is about 100-150 people. The meeting is held near a lake, usually remote and all participants stay overnight on the location.
- The virtual meetings vary more in size and are held on the online platform GatherTown by a local host.



The main form of communication during meetings is slack.

During the meeting you will get a link join the GLEON slack channel.

General meeting agenda*

SUNDAY



GSA Workshops



MONDAY

Morning opening



working groups

TUESDAY

Morning opening



working groups

WEDNESDAY

Morning opening



working groups

THURSDAY

Morning opening



report backs

FRIDAY



Excursions and travel day



*based on in-person meetings

virtual & in person

The GLEON Student Association is there for all things student related for anyone joining GLEON.

MEETING GALLERY 2022 - 2025

INDONESIA, 2025



USA, 2022



POLAND, 2023



VIRTUAL, 2023



VIRTUAL MEETINGS HAVE A LOCAL HOST, MORE INFORMATION ON PAGE 5



Working Groups

A Working Group is a space to brainstorm ideas based on their overarching topics. You can join the group with already developed ideas, or even listen and contribute to others' ideas. There are 10 to 15 Working Groups to choose from which depend on current activity in that topic. You are welcome to join multiple groups during the week, but plan accordingly for projects being formed. Each project idea will need a champion who will be leading the project after the meeting. Anyone can be a champion of a project as long as they can put in the time.

AD HOC TIME

YOUR TIME TO SUGGEST IDEAS OUTSIDE OF WORKING GROUPS, OR COLLABORATE ACROSS WORKING GROUPS



EXAMPLES OF WORKING GROUPS AND PROJECTS

WINTER LIMNOLOGY

Consequences of lake and river ice loss on cultural ecosystem services

Lesley B. Knoll^{1*}, Sapna Sharma², Blaize A. Denfeld³, Giovanna Flaim⁴, Yukari Hori⁵, John J. Magnuson⁶, Dietmar Stralle⁷, Gesa A. Weyhenmeyer⁸

The unique methodological challenges of winter limnology

Benjamin D. Block^{1*}, Blaize A. Denfeld², Jason D. Stockwell¹, Giovanna Flaim³, Hans-Peter F. Grossart^{4,5}, Lesley B. Knoll⁶, Dominique B. Maier², Rebecca L. North⁷, Milla Rautio^{8,9,10}, James A. Rusak^{11,12}, Steve Sadro¹³, Gesa A. Weyhenmeyer¹⁴, Andrew J. Bramburger¹⁵, Donn K. Branstrator¹⁶, Kalevi Salonen¹⁷, Stephanie E. Hampton¹⁸

RESERVOIRS AND LAKE MANAGEMENT

High-frequency lake data benefit society through broader engagement with stakeholders: a synthesis of GLEON data use survey and member experiences

Robyn L. Smyth, Alicia Caruso, Lisa Borre, Guangwei Zhu, Mengyuan Zhu, Amy L. Hetherington, Eleanor Jennings, Jennifer L. Klug, Maria Cintia Piccolo, James A. Rusak, Kathleen C. Weathers & Courtney Wigdahl-Perry

OTHER WORKING GROUPS

LAKE METABOLISM AND CARBON CYCLING

FRESHWATER BIOLOGICAL INTERACTIONS (FBI)

CYANOBACTERIA

LAKE MODELLING AND SIGNAL PROCESSING

SYNTHESIS

REMOTE SENSING

CLIMATE AND LAKE DYNAMICS

COMMUNITY SCIENCE

"DURING MY PHD I VISITED
FOUR GLEON MEETINGS AND
I ALWAYS FELT LIKE THE
COMMUNITY WAS MY
SCIENTIFIC FAMILY
THROUGHOUT MY PHD."
- QING ZAHN, A PHD STUDENT
IN GLEON

GLEON students



Students are an integral part of the GLEON community. Students bring in new ideas, can champion projects and are welcome to participate in any part of a meeting. For students, the meeting starts already on the Sunday before the meeting. On that day there are workshops organized on different topics, where you can choose the ones you like. Secondly, students are expected to do a poster presentation during one of the two poster sessions during the meeting.

PRE-MEETING WORKSHOPS



The GSA organises workshops on the first day of the meeting. These will be especially targeted at students. However, they can be attended by anyone.

POSTER SESSIONS

We value your input in the Working Groups, but we'd also like to see what you are working on. If you are a student of any kind (undergraduate, Master's, PhD, or otherwise) we ask you to present a poster whilst attending the GLEON meeting. This can be a poster used at a previous conference or meeting.



THE GLEON STUDENT ASSOCIATION (GSA)

The GLEON Student Association (GSA) organises social activities during the meetings, and they represent the students voice in the GLEON leadership team.



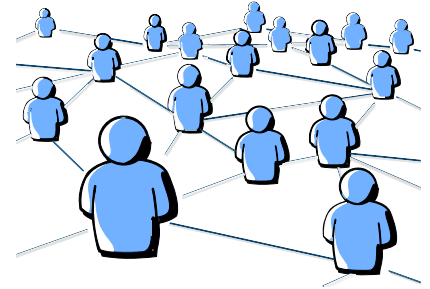
Three GSA subcommittees organize parts of the meetings. The workshop subcommittee organizes the pre-meeting workshops. The poster subcommittee organizes the poster sessions during the meeting. The communications subcommittee writes blogs about GLEON and GLEON members. The GSA also organizes the Limnoseries, an online lecture/workshop series about many lake-related topics.

How to contribute (more) in GLEON

NETWORK PARTNERSHIP PROGRAM (NPP)

To find your way if you are new to GLEON you will be paired up with someone that has participated in multiple GLEON meetings. You can ask them all your questions and they can introduce you to people. This will help you get to know the community as well as get familiar with the meeting concept.

If you are new you will automatically participate and after a few meetings you might be asked to be senior partner yourself.



COMMITTEE FOR INCLUSIVE COLLABORATION (CCC)

The CCC was put in place because maintaining a welcoming, inclusive, inspirational, and productive environment remains a very high priority for GLEON. The

CCC has put one mechanism in place to evaluate this and that is via a survey at the end of every GLEON meeting. The committee responds to survey results, as well as less formal feedback during the meetings. The CCC sometimes also organizes an activity to actively think about Inclusive Collaboration.

POST-STUDENT ASSOCIATION (GPA)

The GPA was established in 2025 to foster a supportive community and provide opportunities for leadership, professional development, and building global connections for post-student members. The GPA aims to represent and advocate for the unique challenges and opportunities of GLEON members who are no longer students but are not yet in long-term or permanent positions. These may include, but are not limited to, positions such as postdocs, research assistants, and research associates.

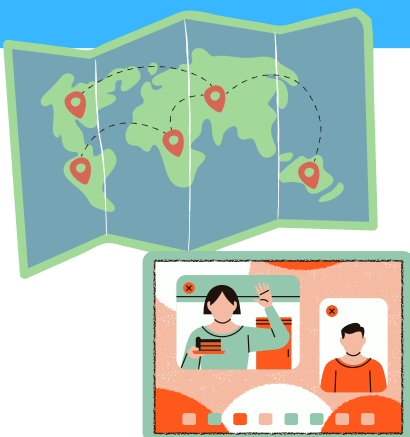
STEERING COMMITTEE

The GLEON Steering Committee consists of 15 GLEON members and is chaired by the two co-chairs of GLEON. Together they organize the network, prepare the meetings, introduce new GLEON members to the network during the meetings and decide in which direction the network should grow. However, GLEON is a grassroots, bottom-up network and they are very open to input from members.



THE LOCAL HOST TEAM

Every meeting will be hosted by a research institute from the community. They organize a venue, are part of the programme committee for that meeting and plan excursions where we visit a lake in the surroundings and sometimes their research facility or other interesting things in the area. The conference is always held close to a lake, so a field visit is easily done. For the local hosts, it is a great opportunity to showcase their research and their home country or region. Next to the in-person hosts, the virtual meetings also have a local host, creating a more accessible way to be a host for some research institutes or countries across the community.



GOOD TO KNOW



WHEN YOU PARTICIPATE IN A GLEON MEETING YOU WILL BE **AUTOMATICALLY** ADDED TO THE MAILING LIST. SO YOU NEVER HAVE TO MISS ANYTHING!

YOU DON'T HAVE TO COME WITH IDEAS TO WORKING GROUP MEETINGS, BUT IT CAN HELP TO INTRODUCE YOUR RESEARCH IDEA AND GET PEOPLE ON BOARD WITH YOUR PLANS, E.G. PEOPLE WITH SUPPLEMENTARY KNOWLEDGE AND SKILLS.



ALL STUDENTS WHO JOIN A GLEON MEETING ARE **PART OF THE GSA** AND INVITED TO THEIR ACTIVITIES, THERE IS NO NEED TO SUBSCRIBE TO THE GSA IN ANY FORM.

YOU CAN **(CO-)LEAD A WORKING GROUP** IF YOU WANT TO BE MORE INVOLVED



OTHER ACTIVITIES

GSA LIMNOSERIES

The GSA organizes Limnoseries workshops and lectures throughout the year. Limnoseries are lectures and/or hands-on workshops covering topics from physics to fish, spanning data collection, data analysis, and science communication. The series enables GLEONites to gain new knowledge and skills and for individuals to present and share their expertise with their GLEON colleagues. Recordings of past Limnoseries are available on [GLEON's YouTube channel](#).

GLEON REGIONAL GATHERINGS



Regional Gatherings typically take place over Zoom during GLEON meetings.

Regional Gatherings welcome participation from a broad range of people interested in lakes and networking, and offer an informal, supportive forum for amicable discussions. Participants can join whichever geographical region they feel most affiliated with. Regional Gatherings typically take place for the following regions: South & Central America, North America, Asia & Oceania, Africa, and Europe. Regional Gatherings are free and do not require GLEON meeting registration to attend.

