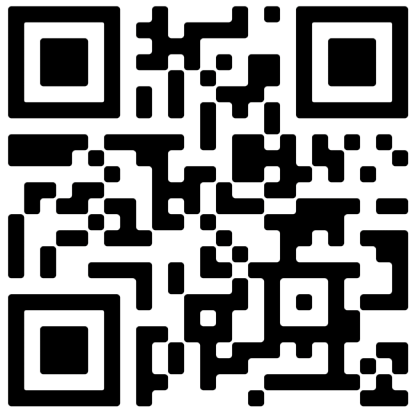


# SWOT Sciences for Lakes and Wetlands (SLeW) working group

Listserv: [swot-slew@listserv.ksu.edu](mailto:swot-slew@listserv.ksu.edu)

Google folder: [https://drive.google.com/drive/folders/1lwe1B\\_ftFGByJzMYaJaWe7Oi-j5WRreqt](https://drive.google.com/drive/folders/1lwe1B_ftFGByJzMYaJaWe7Oi-j5WRreqt)

**Splinter discussions**



**2024 SWOT Science  
Team Meeting  
June 20, 2024**

# Agenda

1. Intro to agenda (1 min)
2. WG cross-comparison and suggestions (20 min)
3. New science results being revealed from SWOT (25 min)
4. Challenges remaining (44 min)

# WG activities since last ST meeting

- 10-26-2023: Global lake and reservoir storage changes (Huilin Gao, Fangfang Yao)
  - Historical trends, climate and anthropogenic attributions, and major lake area, level, and storage change products
- 02-01-2024: Lake area and CH<sub>4</sub> emission (Ethan Kyzivat)
  - Potential of SWOT's lake products in reducing uncertainty margins and improving CH<sub>4</sub> emission estimates
- 03-28-2024: DEM evaluations and potentials for SWOT (Kai Liu)
  - Where, by how much, and how accurately can global DEMs complement SWOT's lake hypsometry?
- 04-25-2024: SWOT Inland Water Processor (SWIP) (Christian Schwatke)
  - Independent algorithm to process lake WSE and slope using PIXC, and comparison with SWOT L2 HR LakeSP
- 05-16-2024: SWOT science data exploration and early results (I) (11 teams)
  - Working group presentations sharing SWOT data validation, science results, challenges, and suggestions
- 05-30-2024: SWOT science data exploration and early results (II) and WG paper brainstorming
  - Continuation of early SWOT data presentations, result synthesis, and discussion of the SLeW WG papers