

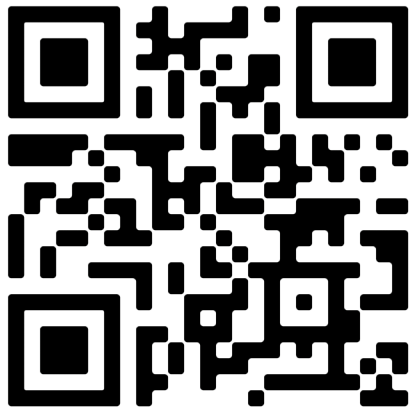
SWOT Sciences for Lakes and Wetlands (SLeW) working group

Listserv: swot-slew@listserv.ksu.edu

Google folder: https://drive.google.com/drive/folders/1lwe1B_ftFGByJzMYaJaWe7Oi-j5WRreqt

Splinter discussions

Jida Wang and Sylvain Biancamaria
on behalf of SLeW



**2023 SWOT Science
Team Meeting
Sep. 19-22, 2023**

Agenda

1. Overview of WG meetings (5 min)
2. Progresses of Science Team project (10 min)
3. Early SWOT science data exploration and feedback (10 min)
4. Discussion on science and validation plans (30 min)
5. Summary and publication plans (5 min)

WG meetings

- 09-22-2022: [Discussion](#) on what we learned from the last ST meeting and the WG priorities before the launch:
 - How should we prepare a common methodology to intercompare validation results once we have SWOT data?
 - What are the remaining necessary preparations and improvements for the a priori datasets?
 - What are other imminent technical issues before the launch?
 - What is our most imminent publication plan before the SWOT science data becomes available?
- 10-20-2022: Update on the PLD development and [discussions](#)
 - Technical model and versioning plan (Claire Pottier)
 - Scientific metadata (Jida Wang)
- 11-17-2022: Merging InSAR and altimetry to improve water level changes in small lakes (Saeid Aminjafari)
- 02-23-2023: PLD paper structures and updates
 - Operational PLD – Manuscript drafted and circulated among key authors
 - Scientific PLD – Most data prepared and synthesized; manuscript in preparation
- 03-23-2023: Topics on Sahelian lakes
 - Deep learning for mapping water bodies in the Sahel (Mathilde de Fleury)
 - Various methods to derive volume changes in Sahelian water bodies (Félix Girard)
- 04-27-2023: Progress from the SWOT Wetlands HYdrological Monitoring (WHYM) project (Frederic Frappart)
- 06-08-2023: Pre-summer discussions on publications
 - PLD update (v103): incorporating more newly constructed reservoirs and other regional lake masks (Jida Wang)
 - Hydrogeodesy paper (Fernando Jaramillo)
 - Other publication [plans](#) on wetlands and carbon cycle (Jessica Fayne, Ethan Kyzivat)
- 06-29-2023: SLeW and River Science joint meeting on SWOT Cal/Val activities

WG projects

Project	PI or leading contributor
1. REFECCT: Rehearsal of EEffective Flood Early warning and decision-support system to strengthen Coping Capacity and adapTation in west Africa (project)	Luciana Fenoglio (U Bonn)
2. SPLASH : Small Ponds and Lakes in semi-Arid regions by SWOT and High resolution satellite sensors (project)	Manuela Grippa (CNRS)
3. Small reservoirs in the semiarid region of Ceará, Brazil	Rafael Reis (FUNCEME/U Toulouse-UFC)
4. SWOT for South America (project)	Fabrice Papa (IRD) and Daniel Moreira Medeiros (CPRM-Brazil)
5. SNORKS: SWOT and Northern laKeS (project)	Sylvain Biancamaria (LEGOS) and Mélanie Trudel (U Sherbrooke)
6. Collaborative efforts with SNORKS (Lake Athabasca, Peace-Athabasca Delta, Shield Lake, and Redberry Lake)	Daniel Peters, Pascal Matte, and Chris Spence (ECCC)
7. Added value of the SWOT satellite products for Canadian hydrological forecasting	M. Amine Bessar (ECCC)
8. Lake Issyk-Kul Observatory – Validating SWOT (project)	Tilo Schöne (GFZ Potsdam)
9. SWHYM: Hydrology from SWOT – SWOT Wetlands HYdrological Monitoring (project)	Frédéric Frappart (GET)
10. Integrating reservoirs into SWOT's global surface water storage and discharge monitoring (project)	Jida Wang (UIUC)
Interferometric Synthetic Aperture Radar (InSAR): New uses for lake changes and recognition of hidden waters	Fernando Jaramillo (Stockholm University)
SWOT for Monitoring Terrestrial Water Storage Changes: Quality Assessment and Combination with other Remote Sensing Data (project)	Christian Schwatke (U Munick)
COCTO-FO: Coastal Ocean Continuum in surface Topography Observations Follow-On (project)	Nadia Ayoub (CNRS); Florent Lyard (CNRS)

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Discussions



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