



Surface Biology and Geology

SBG Science & Applications Technical Interchange Meeting

Detailed Agenda

May 20-22, 2025

Virtual Format with In-Person Engagement Opportunities

All times are in Pacific Time, unless otherwise noted

Main Meeting Link:

Microsoft Teams [Need help?](#)

[Join the meeting now](#)

Meeting ID: 213 229 910 770 9

Passcode: SX6LH2WT

Dial in by phone

+1 323-813-7400,,750512294# United States, Los Angeles

[Find a local number](#)

Phone conference ID: 750 512 294#

Note: The breakout sessions that occur on Day 2 and 3 will have different breakout room links, which will be noted in the agenda and made available to all.

We encourage active online participation through the Teams chat, which will be monitored during plenary sessions for questions. All chat content will be posted into the meeting notes here after the meeting:

2025 SBG Technical Interchange Meeting Summary

The purpose of this meeting is to engage the SBG community in productive discussions around synergies, priorities, and collaboration opportunities. Those include, but are not limited to, Earth Action and Research Area breakouts, along with networking opportunities and data focused workshops. We will hear from domestic and international missions related to SBG, and foster conversations on harmonization and collaboration. This meeting builds off of the success of the 2024 meeting and integrates community feedback to prioritize more time for thoughtful discussions. This continues to foster capacity building by informing the community of airborne and spaceborne assets of opportunity and providing tools for the community to build their workflows and science and application use cases with SBG precursor data, such as EMIT and ECOSTRESS.

Pre-Recorded Talks

Due to the more limited time frame with the shift to an all-virtual meeting, we moved some talks to be pre-recorded. Please see the links below to watch these talks and feel free to ask questions during the meeting and on the SBG Slack channel about them!

- Project Overviews
 - SBG-VSWIR Project Overview
 - [SBG-TIR Project Overview](#)
- Calibration & Validation Overviews
 - SBG-VSWIR Calibration
 - [SBG-TIR Calibration](#)
 - [SBG-TIR Validation](#)
 - [SBG-VSWIR Validation](#)
- SBG Data Products
 - [SBG-TIR Data Products](#)
 - [SBG-TIR VIREO Data Products](#)
 - SBG-VSWIR Data Products

Day 1: Tuesday, May 20th, 2025

Pacific Time / Eastern Time

8 - 9 AM / 11 AM - 12 PM: *Networking Coffee Hour* - EMIT & ECOSTRESS

GeoGuesser and (Geo)pardy! Icebreaker

Location: [Main Meeting Link](#)

Moderator: Regina Eckert + Kelly Luis

9 - 10 AM / 12 - 1 PM: Introduction & Updates

Location: Main Meeting Link

Introductory Remarks: Ralph Basilio, Amit Sen, Simona Zoffoli

SBG-VSWIR Project Update: Robert O Green

SBG-TIR Project Update (OTTER + VIREO): Simon Hook, Fabrizia Buongiorno

10:00 - 10:30 AM / 1 - 1:30 PM: *Break*

10:30 - 11 AM / 1:30 - 2 PM : NASA Earth Science Division and ASI Remarks

Location: Main Meeting Link

NASA HQ Remarks: Woody Turner, Ryan Pavlick, Laura Lorenzoni, Kevin Reath (TBD)

ASI HQ Remarks: Francesco Longo

11 - 11:20 AM / 2 - 2:20 PM: SBG Applications Overview

Location: Main Meeting Link

Christine Lee and Dana Chadwick

11:20 - 11:40 AM / 2:20 - 2:40 PM: Virtual TIM Approach

Location: Main Meeting Link

Overview of Agenda: Dana Chadwick

Plan for Research & Earth Action Breakouts: Africa Flores-Anderson / Ayia Lindquist

Logistics for Networking hours and Poster talks: Regina Eckert

11:40 AM - 12 PM / 2:40 - 3 PM: Q&A

Location: Main Meeting Link

Moderator: Regina Eckert

12 - 1 PM / 3 - 4 PM: *Networking Hour* - Calibration and Validation

Location: Main Meeting

Moderator: Regina Eckert + David Thompson

1 PM - 2:30 PM / 4 - 5:30 PM: ORNL DAAC Workshop

Location: Main Meeting Link

Focused on Accessing SBG-Relevant airborne Data

Point of Contact: Christiana Ade

2:30 PM / 5:30 PM: Adjourn

5:30 PM: Pasadena Happy Hour at HomeState (1992 Lincoln Ave, Pasadena, CA 91103)

Day 1 Local In-Person Hours:

Goddard: **11 AM - 5 PM** Eastern Time, B36 S307

Day 2: Wednesday, May 21st 2025

Pacific Time / Eastern Time

8 - 9 AM / 11 AM - 12 PM: *Networking Hour* - Airborne Campaigns

Location: Main Meeting Link

Moderator: Dana Chadwick

9 - 10:45 AM / 12 - 1:45 PM: Research Area Breakouts

→ Aquatic:

◆ Organizers: Kelly Luis, Kevin Turpie, Stephanie Schollaert- Uz

◆ Breakout [Meeting Link](#)

→ Geology

◆ Organizers: Rob Green, Mike Ramsey, Phil Brodrick

◆ Breakout [Meeting Link](#)

- Terrestrial Vegetation Traits:
 - ◆ Organizers: Dana Chadwick, Yoseline Angel, Dhruva Kathuria
 - ◆ Breakout [Meeting Link](#)
- Ecohydrology:
 - ◆ Organizers: Gregory Halverson, Zoe Pierrat, Shawn Serbin
 - ◆ Breakout [Meeting Link](#)
- Snow and Ice:
 - ◆ Organizers: Niklas Bohn, Charles Gatebe, Glynn Hulley
 - ◆ Breakout [Meeting Link](#)

10:45 - 11:10 AM / 1:45 - 2:10 PM: *Break*

11:10 - 11:30 AM / 2:10 - 2:30 PM: Read-Out from Research Area Breakouts

Main Meeting Link

Moderator: Kevin Turpie

11:30 AM - 12 PM / 2:30 - 3 PM: Science & Applications Poster Lighting Talks Raffle

Main Meeting Link

Moderator: Yoseline Angel, Dhruva Kathuria

12 - 1 PM / 3 - 4 PM: *Networking Hour* - Research Science Areas

Main Meeting Link

Moderator: Africa Flores Anderson + Ayia Lindquist

1 - 2:30 PM / 4 - 5:30 PM: LP DAAC Workshop

Main Meeting Link

Finding Concurrent Airborne and Orbital Datasets

Point of Contact: Christiana Ade

2:30 PM / 5:30 PM: Adjourn

Day 2 Local In-Person Hours

Goddard: 11 AM - 5 PM Eastern Time, B33 H114

Day 3: Thursday, May 22nd 2025

Pacific Time / Eastern Time

8 - 9 AM / 11 AM - 12 PM: *Networking Hour* - Science & Applications

Main Meeting Link

Moderator: Ayia Lindquist + David Thompson

9 - 10:45 AM / 12 - 1:45 PM: Earth Action Breakouts

→ Wildfires:

◆ Organizers: Clayton - Madeleine - James - Joanne Hall

◆ [Meeting link](#)

→ Ecological Land Management:

◆ Organizers: Africa - Ayia - Dana

◆ [Meeting Link](#)

→ Agriculture:

◆ Organizers: Forrest - Chris H. - Christine

◆ [Meeting Link](#)

→ Water Resources:

◆ Organizers: Kelly - Stephanie G. - Stephanie U.

◆ [Meeting Link](#)

→ Critical Minerals, Geologic Hazards, Energy:

◆ Organizers: Phil - Federico - Simon

◆ [Meeting Link](#)

10:45 - 11:10 AM / 1:45 - 2:10 PM: *Break*

11:10 - 11:30 AM / 2:10 - 2:30 PM: Read Out from Earth Action Breakouts

Main Meeting Link

Moderator: Africa Flores Anderson

11:30 AM - 12:30 PM / 2:30 - 3:30 PM: *Networking Hour* - Earth Action

Main Meeting Link

Moderator: Ayia Lindquist

12:30 - 1:30 PM / 3:30 - 4:30 PM: Science & Applications Poster Lighting Talks Raffle

Main Meeting Link

Moderator: Yoseline Angel, Dhruva Kathuria

1:30 - 2 PM / 4:30 - 5 PM: Mentimeter Interactive Discussion / Feedback

2 PM - 2:30 PM / 5 - 5:30 PM: Closing Remarks

Main Meeting Link

Action Items from Meetings: Dana Chadwick and Regina Eckert

VSWIR + TIR closing remarks: Simon Hook and Robert O Green

SBG Mission: Ralph Basilio, Amit Sen, Simona Zoffoli

2:30 PM / 5:30 PM: Adjourn

Local In-Person Hours:

Goddard: 11 AM- 5 PM Eastern Time, B21 Library Section 1