

3rd SWOT Early Adopter Virtual Hackathon 2022

Location: Zoom

Date: April 25-28, 2022

Zoom link: <https://washington.zoom.us/j/96284887339> (passcode: SWOT)

Website and Registration Information: <http://depts.washington.edu/saswe/swot/hackathon2022.html>

AGENDA

All times are in Pacific time zone

DAY 1 SESSION 1 6.00AM – 9.30AM (APRIL 25 MONDAY)

6.00AM-7.00AM

- *Welcome & Introduction to SWOT Application Working Group-SAWG* (by **SAWG Leads**) (10 mins)
- *Take a Group Photo* (5 mins)
- *Welcome note by SWOT Program leads* (20 mins)
Nadya Vinogradova-Shiffer, NASA HQ Physical Oceanography (SWOT) - **confirmed**
Annick Sylvestre-Baron, CNES SWOT Program Lead - **confirmed**
Lawrence Friedl, NASA HQ Applied Sciences Program - **confirmed**
Bradley Doorn, NASA HQ Applied Sciences Program (Water) **confirmed**
- *Taking Stock of SWOT Application Program: Current Progress and Future Directions* (by **Faisal Hossain, UW**) (10 mins)
- *Overview of Hackathon objectives in the year of SWOT launch* (by **Faisal Hossain, UW**) (10 mins)
- *Key events in the year of SWOT launch* (by **Margaret Srinivasan, JPL**) (5 mins)

5 MIN BREAK + Q&A

7.05AM – 7.55AM

- *SWOT Data Products- Hydrology* (**Tamlin Pavelsky, UNC**) (10 mins) **confirmed**
- *SWOT Data Products - Ocean* (**Bohe Alejandro, CNES**) (10 mins) **confirmed**
- *Current Status of SWOT Discharge Algorithms - US* (**Colin Gleason, UMass**) (15 mins) **confirmed**
- *Overview of ESRI native capability for handing geospatial data from satellite missions* (**Nawajish Noman, ESRI**) (15 mins) **confirmed**

5 MIN BREAK+ Q&A

8.00AM-9.15AM

- *Overview of CNES tools and platforms for advancing SWOT applications* (by **Santiago Pena-Luque, CNES**) (25 mins)
- *Overview of Cloud functionalities for SWOT* (**Catalina Oaida and Cassie Nickles, PO.DAAC**) (30 mins)
- *The PO.DAAC Cloud Experience by a SWOT Early Adopter* (**Indu Jayaluxmi, IIT Bombay**) (15 minutes)
- *Closing for DAY 1 and Getting ready for Hack sessions on DAY 2 (April 26)* (**Faisal Hossain, UW**) (5 mins)

9.30AM – END OF DAY 1 (APRIL 25)

DAY 2 SESSION 1 6.00AM – 10.15AM (APRIL 26 TUESDAY)

6.00AM-7.05AM

- Recap from DAY 1 (**Faisal Hossain, UW**) (5 mins)
- Overview of Early Adopter Projects – Objectives, Anticipated Impact and SWOT-based Solution. (60)
[This is an interactive session for sharing verbal updates; no formal presentation necessary; the list below is tentative and not in any particular order. Any EA attending the hack session is welcome to provide a quick and informal update. We will go around to give EAs a chance to present their quick updates]
- IIT Bombay
- Texas Water Development Board
- University of Bonn
- Pakistan Council of Research in Water Resources
- USGS
- IIT Delhi
- Asian Disaster Preparedness Center
- Alexandria University-Egypt
- Center for Water Resources Development and Management-Kerala (India)
- European Early Adopters: Mercator-Ocean/CNR/CLS
- FMGLOBAL
- Stantec
- University of Colorado/NOAA

7.10AM 7.15AM – 5 MIN BREAK + Q&A

7.15AM – 10.15 AM Hacking EA Projects (3 Hours)

Parallel breakout session for **USGS** (Helper: Ted Langhorst, UNC) (3 hours)

Parallel breakout session for **Texas Water Development Board** (Helper: Sanchit Minocha, UW) (3 hours)

Parallel breakout session for **IIT-Delhi** (Helper: Nitish Kumar, IITB) (3 hours)

Parallel breakout session for **PCRWR** (Helper: Shahzaib Khan, UW) (3 hours)

Parallel breakout session for **CWRDM** (Helper: Manu Soman, IITB) (3 hours)

Parallel breakout session for **Stantec** (Helper: Alain Dibb/Ed Beighley) (3 hours)

Parallel breakout session for **IITB** (Helper: PO.DAAC) (3 hours)

Parallel breakout hack session for **ADPC** (Helper: Pritam Das, UW) (3 hours)

Parallel breakout hack session for **UniBonn** (Helper: Rui Wei, OSU) (3 hours)

Parallel breakout hack session for **Alexandria University** (Helper: Matt Bonnema, JPL) (3 hours)

DAY 3 SESSION 1 6.00AM – 9.00AM (APRIL 27 WEDNESDAY)

6.00AM – 9.00 AM Hacking EA Projects (3 Hours)

Parallel breakout session for **USGS** (Helper: Ted Langhorst) **(3 hours)**

Parallel breakout session for **Texas Water Development Board** (Helper: Sanchit Minocha, UW) **(3 hours)**

Parallel breakout session for **IIT-Delhi** (Helper: Nitish Kumar, IITB) **(3 hours)**

Parallel breakout session for **PCRWR** (Helper: Shahzaib Khan, UW) **(3 hours)**

Parallel breakout session for **Stantec** (Helper: Alain Dibb/Ed Beighley) **(3 hours)**

Parallel breakout session for **CWRDM** (Helper: Manu Soman, IITB) **(3 hours)**

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Parallel breakout hack session for **Alexandria University** (Helper: Matt Bonnema, JPL) **(3 hours)**

DAY 4 SESSION 1 6.00AM – 8.00AM (APRIL 28 THURSDAY)

6.00AM – 7.00 AM EA Reporting of EA Hack sessions, progress made, unresolved issues

[This is an interactive session for sharing verbal updates; no formal presentation necessary. Any EA that had a 1-1 hack session is welcome to provide a quick and informal update on what worked/what didn't and suggest action items. We will go around to give EAs a chance to present their quick updates]

USGS

Texas Water Development Board

IIT Delhi

PCRWR

CWRDM

IIT Bombay

ADPC

UniBonn

Alexandria University

Stantec

7.00 – 8.00 AM

- Final thoughts, open-ended discussion by EAs on needs, issues, experience

8.00AM MEETING ADJOURNED - 3rd SWOT EARLY ADOPTER VIRTUAL HACKATHON