

SWOT Early Adopter Hackathon 2020

Location: Online (Broadcast via Zoom)

<https://washington.zoom.us/j/336602292>

May 26-2020- June 1, 2020

AGENDA

SESSION 1 (May 26 Tuesday)

7.00AM-10.30AM (PST)

- Overview of Hackathon objectives (by **Faisal Hossain**) (10 mins)
- Introduce Organizers EAs; Introduce hackathon helpers from UW, CNES, EA etc. (by **Faisal Hossain**) (5 mins)
Show map of each EA and click on 'current progress' tab on the SWOT website (20 mins)
- Hands-on demonstration exercise on generating inputs for SWOT simulator Using Google Earth Engine-GEE – (by **Matt Bonnema**) (3.00 Hours)
This Hands-on will involve GEE, use visible, NIR and SAR imagery over a real-world river-reservoir system. Each EA will get to observe the hands-on demonstration live to build the data handling skills needed to generate input data to derive SWOT-like reservoir area/height and river area/height data. The hands-on is designed to help at least five of the 11 EAs and as a 3 hour module. Session will be recorded and made available later.

15 Min Break

11AM-12PM

- Complete the remaining aspects of the Hands-on demonstration (by **Matt Bonnema**) (20 mins)
- Q and A for Early Adopters and Participants (session will not be recorded) (by **Matt Bonnema**) (40 mins)

SESSION 2 (May 27 Wednesday)

7.00AM-11.00AM (PST)

- Introduction to SWOT CNES Hydrology Simulator, LOCNES and RiverObs (by **Damien of CNES**) (1.0 Hour)
This is a high level overview showing how to use the github using a real-world example
- SWOT CNES Hydrology Simulator from the EA perspective – overview by NASA SPoRT Nicholas on the simulator, likely issues, best practices. Overview of the tutorial (by **Nicholas Elmer**) (1.0 Hour)
- Introduction to Global Reservoir Assessment Tool (by **Nishan Kumar Biswas**) (1.0 Hour)
- **PO.DAAC SWOT Cloud Activity/Update** – (by **Catalina Oaida**) (1.0 hour)

SESSION 3 (May 28 Thursday)

8AM-10AM (PST) – Getting to know EA project progress and Key Hurdles (hacking helpers to be on standby – **Shahryar Ahmad, Nishan Biwas, Hisham Eldardiry, Claire Beveridge and Indira Bose + Nicholas Elmer**) **(2 hours)**

(each EA needs to pre-schedule a slot and one of the helpers will be assigned exclusively for the EA)

Parallel Zoom session for EA-1 **(2 hours)**

Parallel Zoom session for EA-2 **(2 hours)**

Parallel Zoom session for EA-3 **(2 hours)**

Parallel Zoom session for EA-4 **(2 hours)**

BREAK (30 mins)

10.30AM-12.30PM (PST) – Getting to know EA project progress and Key Hurdles (hacking helpers to be on standby - **Shahryar Ahmad, Nishan Biwas, Hisham Eldardiry, Claire Beveridge and Indira Bose**) **(2 hours)**

(each EA needs to pre-schedule a lot and one of the helpers will be assigned exclusively for the EA)

Parallel Zoom session for EA-5 **(2 hours)**

Parallel Zoom session for EA-6 **(2 hours)**

Parallel Zoom session for EA-7 **(2 hours)**

Parallel Zoom session for EA-8 **(2 hours)**

SESSION 4 (May 29 Friday)

8AM-12PM (PST) – Fixing hurdles for EA projects through 1-1 hands on session (hacking helpers to be on standby - **Shahryar Ahmad, Nishan Biwas, Hisham Eldardiry, Claire Beveridge and Indira Bose + Nicholas Elmer**) **(4 hours)**

(each EA needs to pre-schedule a lot and one of the helpers will be assigned exclusively for the EA)

Parallel Zoom session for EA-1 **(4 hours)**

Parallel Zoom session for EA-2 **(4 hours)**

Parallel Zoom session for EA-3 **(4 hours)**

Parallel Zoom session for EA-4 **(4 hours)**

BREAK (30 mins)

12.30PM-4.30PM (PST) – Fixing hurdles for EA projects through 1-1 hands on session (hacking helpers to be on standby **Shahryar Ahmad, Nishan Biwas, Hisham Eldardiry, Claire Beveridge and Indira Bose + Nicholas Elmer**) **(4 hours)**

(each EA needs to pre-schedule a slot and one of the helpers will be assigned exclusively for the EA) **(4 hours)**

Parallel Zoom session for EA-5 **(4 hours)**

Parallel Zoom session for EA-6 **(4 hours)**

Parallel Zoom session for EA-7 **(4 hours)**

Parallel Zoom session for EA-8 **(4 hours)**

SESSION 5 (June 1 Monday)

AM (8.00AM-10.00AM) PST

- Hearing from EAs on needs and 'what else?' for future planning **(1 hour)**
- Discussions, Q&A **(1 hour)**

ADJOURN June 1 Monday 10AM PST