

SWOT Cryosphere Sessions

Tasha Snow, Cassie Stuurman, Sara Fleury

Cryosphere Program

Session 1

start	duration	subject	
2:00	5 mn	Intro	Tasha Snow, Sara Fleury
2:05	10 mn	sea ice 1	Gwenaél Jestin
2:15	10 mn	sea ice 2	Sammy Metref
2:25	10 mn	sea ice 3	Laetitia Rodet
2:35	12 mn	Panel questions	
2:47	10 mn	sea ice 4	Felix Müller
2:57	10 mn	ice shelves 1	Susan Howard
3:07	10 mn	Snow 1	Imogen Garlick
3:18	12 mn	Panel questions	

Coffee break 3:30 – 4:00

Session 2

start	duration	subject	
4:00	5 mn	Intro	Tasha Snow, Sara Fleury
4:08	10 mn	lake ice 1	Sonam Sherpa
4:18	10 mn	lake ice 2	Grant Gunn
4:28	10 mn	lake ice 3	Melanie Trudel
4:38	12 mn	Panel questions	
4:50	40 mn	Participate to a Mentimeter poll Open discussion	

End 5:30

Open discussion (16:50 – 17:30)

Organizational aspects:

- Practical schedule? Frequency?
- Meetings by continent? (US, Europe, Asia)
- Meetings by theme? (ocean/land)
- Means of communication? (mail/slack/video/...)
- Scientific committee?
- Main topics? (technical/scientific)
- *Name of the working group?*
- ...

Working group members: 64 !

Ask to join.

Scientific subjects:

- Main priorities for the working group? (DEM, MSS, geoid, xcal, height phases, shore line, tides, etc.)
- New or complementary products?
- New results?
- Open topic? (on voluntary basis)
- ...

Technical subjects:

- Product used?
- Difficulties encountered?
- Software tools?
- ...

To initiate discussion ...

- Get ready for a Mentimeter poll
- Bring your own ideas !
- Early career really encouraged to contribute

Session 1

14:00 - 14:05: Introduction for Sea Ice, SLA and glaciers session

14:05 - 14:15: Sea ice classification, concentration and topography using SWOT, **Gwenael Jestin**

14:15 - 14:25: Towards Improved Mapping of Sea Ice Concentration and Sea Ice Thickness with SWOT, **Sammy Metref**

14:25 - 14:35: Sea ice characterization from KaRIn HR data and application to S3NG-T, **Laetitia Rodet**

14:35 - 14:47: Discussion panel

14:47 - 14:57: SWOT's Sea Surface Height Observations in Sea Ice Zones: A First Look and Comparison with ICESat-2, **Felix Müller**

14:57 - 15:07: Using SWOT High-Resolution Raster data to map and monitor rifts on Antarctic ice shelves, **Susan L. Howard**

15:07 - 15:17: Multi-frequency radar scattering analysis using SWOT, **Imogen Garlick**

15:17 - 15:30: Discussion panel

Session 2

16:00 - 16:08: Introduction for Lakes session

16:08 - 16:18: Tracking Glacial Lake Floods with SWOT, **Sonam Sherpa**

16:18 - 16:28: Assessing Potential of the SWOT Mission for Retrieval of Freshwater Lake Ice and Overlying Snow Properties, **Grant Gunn**

16:28 - 16:38: Lake and river ice classifications with SWOT, **Melanie Trudel**

16:38 - 16:50: Discussion panel

16:50 - 17:30: Open discussion of Cryosphere Working Group