



**FINAL AGENDA**

**MELTING ICE, RISING SEA LEVEL FOCUS SESSION**

Monitoring and Forecasting of the Coastal and Marine Environment

Hosted by the NASA Ice, Cloud and land Elevation Satellite-2 (ICESat-2) Mission & NASA Short-term Prediction Research and Transition Center (SPoRT)

November 15-16, 2016 | National Space Science and Technology Center, Huntsville, Alabama

Tuesday, November 15, 2016		
Topic	Speaker	Time
<b>Meet &amp; Greet, Coffee</b>		8:00-8:20 AM
<b>Focus Session Welcome &amp; Logistics</b>	Joanne Terek, Assistant Manager, Science and Technology Office, Marshall Space Flight Center	8:20-8:30 AM
<b>Introduction &amp; SPoRT Overview</b>	Bradley Zavodsky, NASA SPoRT	8:30-8:50 AM
<b>ICESat-2 Mission Design, Orbits Schedule and Data Products</b>	Tom Neumann, ICESat-2 Deputy Project Scientist, NASA GSFC	8:50-9:05 AM
<b>ICESat-2 Applications Overview &amp; Perspective</b>	Molly Brown, ICESat-2 Applications Lead, University of Maryland   Sabrina Delgado Arias, Science Systems and Applications, Inc./NASA GSFC	9:05-9:20 AM
<b>Channeling Communication &amp; Ice Information: Proposed Arctic Marine Best Practice Information Forum</b>	[Remote] Michael Kingston, Marine Trade & Energy, DWF LLP	9:20-9:40 AM
<b>Brief around-the-room introductions, expectation setting and initial Q&amp;A</b>		9:40-10:00 AM
Morning Break		
<b>ICESat-2 Sea Surface Height Data Product</b>	Jamie Morrison, University of Washington, ICESat-2 SDT Member - Oceans	10:15-10:40 AM
<b>Measuring Ice-sheet height with ICESat-2</b>	Kaitlin Walsh, NASA GSFC, on behalf of Ben Smith, University of Washington (ICESat-2 SDT Member - Ice Sheets)	10:40-11:05 AM
<b>ICESat-2 Sea Ice Freeboard Data Product</b>	Sinead Farrell, ESSIC, University of Maryland, ICESat-2 SDT Member – Sea Ice	11:05-11:30 AM
<b>Panel Discussion – Q&amp;A expected functionality of the data</b>		11:30-12:00 PM
Lunch (Group Order – Jason’s Deli)		

Tuesday, November 15, 2016		
Topic	Speaker	Time
NOAA Arctic Testbed – transitioning new satellite datasets into operations	[Remote] Nathan Eckstein, Science and Operations Officer, NOAA National Weather Service	1:10-1:35 PM
Modeling and Observation of Land Ice and Sea Ice Extent to Support Forecasters in Alaska	Bradley Zavodsky, NASA SPoRT, ICESat-2 Early Adopter	1:35-2:00 PM
Recent Improvements in the U.S. Navy’s Ice Modeling Using CryoSat-2 Ice Thickness	Michael Phelps, Jacobs Technology, Stennis Space Center	2:00-2:25 PM
ICESat-2 Emulator for the Los Alamos Sea Ice model (CICE) to evaluate DOD sea ice prediction in the Arctic	Sinead Farrell, ESSIC, UMD on behalf of Andrew Roberts, NPS Oceanography	2:25-2:40 PM
Panel Discussion – Synthesis: potential for operational use; discussion on collaborating to bring ICESat-2 to NOAA/NWS Arctic Testbed		2:40-3:00 PM
Afternoon Break		
ICESat-2 User Data Management at NSIDC DAAC	Steve Tanner   Amy Steiker, National Snow & Ice Data Center (NSIDC)	3:15-3:40 PM
Challenges of Information Accessibility – Local Indigenous Communities in Arctic Alaska, Case Example	[Remote] Matthew Druckenmiller, Rutgers University & NSIDC	3:40-4:00 PM
Q&A and Reactions to Case Example		4:00-4:20 PM
Closing Remarks – Day 1		4:20-4:30 PM

Wednesday, November 16, 2016		
Topic	Speaker	Time
Opening Remarks & Objectives for Day 2		8:30-8:40 AM
Integrating ICESat-2 with GRACE, Jason-3, & SWOT	Michael F. Jasinski, NASA GSFC, ICESat-2 SDT Member – Inland Water	8:40-9:00 AM
The Arctic Collaborative Environment (ACE): Data & Tool Integration for the Arctic Region	John Walsh, ACE Project Scientist, International Arctic Research Center, University of Alaska Fairbanks	9:00-9:20 AM
Sensor Fusion Approach for Coastal Change Analysis and Mapping	Christopher Parrish, Oregon State University	9:20-9:40 AM

**Wednesday, November 16, 2016**

Topic	Speaker	Time
Sea Ice for Walrus Outlook	[Remote] Lisa Sheffield Guy, Arctic Research Consortium of the U.S.	9:40-10:00 AM
Q&A Fused Products		10:00-10:20 AM
<b>Morning Break</b>		
<b>Collaborative discussion/brainstorming: Intersection of ICESat-2 Capabilities and User Needs</b> <ul style="list-style-type: none"> <li>• Feedback from Whitepapers</li> <li>• Opportunities to incorporate ICESat-2, NWS products and other data sources</li> <li>• Strategic collaborations</li> </ul>		11:20-11:50 AM
Summary of Actions & Closing Remarks		11:50AM-12:00 PM
Lunch (on your own)		12:00-1:00 PM
Tour of SPoRT & Huntsville National Weather Service		1:00-2:00 PM