

D R A F T

Ice, Cloud, and Land Elevation Satellite (ICESat-2) Applications Workshop March 2012

Location: NASA Goddard Space Flight Center

| | | |
|---|--|--|
| <i>The ICESat-2 Project will implement a space-borne mission designed to collect altimetric measurements of the Earth's surface, optimized to measure the heights and freeboard of polar ice and global vegetation canopy.</i> | | |
| <i>Goals of applications group:</i> | | |
| <ul style="list-style-type: none"> • <i>Improve communication between scientist and user community</i> • <i>Increase collaboration opportunities with user groups by identifying the challenges and needs</i> | | |
| <i>Expected Workshop Outcome: Identify and connect the mission science with the potential community of practice in order to communicate the benefits from incorporating ICESat-2 products into their research</i> | | |
| 25 January Wednesday | | |
| 8:00am | Registration and Coffee | |
| 8:30am | NOAA NSIDC <i>(15 min)</i> | Workshop Welcome |
| 8:45am | Woody Turner/Tom Wagner, NASA HQ <i>(15 min)</i> | ICESat-2 Welcome, Charge to Workshop |
| 9:05am | Tom Neumann/Thorsten Markus, <i>(20 min)</i> | ICESat-2 Mission Overview |
| 9:25am | Kelly Brunt, NASA <i>(20 min)</i> | Mabel Simulator |
| 9:40am | Molly Brown, NASA <i>(15 min)</i> | ICESat-2 Applications Requirements and strategy |
| 10:00am | Ron Weaver, NSIDC DAAC <i>(20 min)</i> | Products that may be complementary for ICESat-2 Current applications/users coming from the DAAC |
| 10:20 to 10:50am | Morning Break Please use this opportunity to fill out surveys if you haven't already done so | |
| PART 1: Invited presentations that provide a brief description of mission products and their potential applications (10 minutes per product) | | |
| | <i>Product Category</i> | <i>Client/User</i> |
| 10:50- 11:00am | <i>Ice Sheet/Mass Balance</i> | <i>NOAA, NCAR</i> |
| 11:00- 11:10am | <i>Snow Water Equivalent</i> | <i>Hydrology, water management, weather forecasting</i> |
| 11:10- 11:20am | <i>Ocean Elevation</i> | <i>Coastal City planning, storm surges, public Health</i> |

D R A F T

| | | |
|--|---|--|
| 11:20-11:30am | <i>Land Elevation/Inland water</i> | <i>Modeling and calibration</i> |
| 11:30-11:40am | <i>Sea Ice</i> | <i>Navigation, NIC (Coastguard, Navy and civilian), ESA</i> |
| 11:40-11:50am | <i>Vegetation</i> | <i>Canopy Height, biomass and Carbon</i> |
| 11:50-12:00pm | <i>Cloud and Aerosol measurements</i> | <i>Modeling, Air traffic control, flux atmospheric studies</i> |
| 12:00-1:30pm | LUNCH Please use this opportunity to fill out survey | |
| PART 2 Break out Sessions into seven thematic application groups from morning Round Table Session <ul style="list-style-type: none"> • What are the potential applications for ICESAT-2 data? • What are potential Cal/Val opportunities-collaboration? • A list of applications from the audience's perspective • Studies we could do to determine if the sensor will have the appropriate accuracies and information needed for certain applications • Discussion of Level 4 products • How can ICESat-2 best integrate its user community? Identify military applications and how ICESat-2 data can serve as retrospective modeling information for future navigation assessments | | |
| 1:30-3:15pm | Break Out Groups and Discussion | |
| 3:15-4:15 | 5 minute informal (no presentation) summaries from each breakout group lead Discussion of entire group | |
| 4:15-4:30 | Closing remarks: Molly Brown, Thorsten Markus | |
| 4:30pm | Workshop Adjourned | |