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| 10:40 to 11:00am | Morning Break Questionnaire for freeze/thaw applications | |
| Research by SMAP Early Adopters | | |
| | Speaker | Topic |
| 11:00am | Kyle McDonald, JPL/CUNY | <i>SMAP Freeze Thaw Research</i> |
| 11:20am | Stephane Belair, Environment Canada | <i>Assimilation of Passive and Active Data from SMAP</i> |
| 11:40am | Rafael Ameller, StormCenter Corporation (Given by Peter Webly, U of Alaska, Fairbanks) | <i>Collaborative decision environments for volcanic effluent hazards</i> |
| LUNCH 12:00-1:30pm (Locally) | | |
| Research presentation topics and panel discussion <i>Identifying challenges and addressing where there are needs for data</i> | | |
| 1:30pm | Prasad Gogineni (University of Kansas) (20 min) | <i>Radar Instrumentation for Airborne Measurements on ice sheets and sea ice: Status and Future</i> |
| 1:50pm | Donald (Skip) Walker (University of Alaska Fairbanks) (20 min) | <i>Greening of the Arctic in relationship to changing sea-ice and permafrost conditions</i> |
| 2:10pm | Bob Shuchman (Michigan Tech Research Institute) (20 min) | <i>Alaska Land Management and the NSSI</i> |
| 2:10-2:20pm | Afternoon Break <i>Please use this opportunity to fill out survey</i> | |
| 2:20-2:35pm | Billy Connor (University of Alaska Fairbanks) (15 min) | <i>Roads & Airports on Warm Permafrost</i> |
| 2:35-2:50pm | Guido Grosse (University of Alaska Fairbanks) (15 min) | <i>Permafrost Dynamics in a warming Arctic-Process and remote sensing data needs.</i> |
| 2:50-3:05pm | Anthony Arendt (University of Alaska Fairbanks) (15 min) | <i>Glaciers and climate change and Sea Ice</i> |
| 2:50-3:20pm | Anna Liljedahl (University of Alaska Fairbanks) (15 min) | <i>Water Management in Alaska – the Susitna Dam</i> |
| 3:20-3:35pm | Jessie Cherry (University of Alaska Fairbanks) (15 min) | <i>Airborne remote sensing and hydrologic research at ASF</i> |
| 3:35pm-4:30pm | Panel discussion (Early adopters, Mission and DAAC Scientists: Kyle McDonald, Bea Csthao and Ted Scambos) <i>How can new mission data address the challenges and concerns presented?</i> | |
| 4:30pm | <i>Day 1 Adjourn</i> | |
| Day 2 Wednesday, 19 September 2012 <i>Wedgewood Resort's Borealis Room</i> | | |
| 8:00am | Registration and Coffee | |
| 8:30am | Vanessa Escobar (SMAP Applications Deputy Coordinator) (10 min) | Objectives for Day 2 |

| Local Alaska Community Presentations <i>Operational Areas of Interest for Freeze Thaw Data</i> | | |
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| 8:40am | Parker Martyn (National Park Services) (30 min) | <i>Remote Sensing in support of the NPS</i> |
| 9:10am | Katey Walter (University of Alaska Fairbanks) (15 min) | <i>Methane seepage from lakes along boundaries of thawing permafrost and melting glaciers</i> |
| 9:40am | Kyle McDonald (SMAP Mission) (15 min) | <i>CARVE and SMAP-Carbon Product</i> |
| 9:55am | Cindy Hamfler (Bureau of Land Management) (15 min) | <i>BLM Land stewardship and remote sensing</i> |
| 10:15-10:25am | Morning Break <i>Please use this opportunity to fill out survey</i> | |
| 10:25-10:40am | Andy Mahoney (University of Alaska Fairbanks) (15 min each) | <i>Climate Change and Sea Ice</i> |
| 10:40-10:55am | John Zufelt (Alaskan Command) (15 min) | <i>Advancing Arctic Domain Awareness</i> |
| 10:55-11:10am | LCDR Frank Price (USN, Oceanographer of the Navy) <i>Presentation given virtually</i> (15min) | <i>Military operations, navigation and uses for satellite data</i> |
| 11:10am-12:00pm | Plenary Session <i>SMAP mapping radar, ICESat-2 altimetry for vegetation and sea-ice mapping</i> <i>How will SMAP Freeze/Thaw and ICESat2 products for Sea Ice Applications and DOD</i> | |
| LUNCH 12:00-1:30pm (Locally) | | |
| 1:30pm | Scott Dunbar, JPL (45min) | SMAP Data Description |
| 2:15pm | Dara Entekhabi, MIT (20 min) | Combining data from multiple missions. Innovative approaches to future research |
| 2:35pm-2:50pm | Afternoon Break <i>Please use this opportunity to fill out survey</i> | |
| 2:50pm-4:00pm | Panel Discussion/Audience Discussion <i>Open discussion-identify potential collaborations and opportunity</i> <i>Action items to move research forward</i> | |
| 4:00pm | Christine Bonnicksen, NASA HQ (15 min) | Closing comments |
| 4:15pm-5:30pm | Tutorial Adjourned <i>Poster Session to be held prior to Social Dinner (Gazebo Room)</i> | |
| <i>Social Dinner (location will be announced at meeting)</i> <i>Departing from Hotel at 6:00pm</i> | | |
| Day 3 Thursday, 20 September 2012 | | |
| 8:45am | Depart from Hotel (Meet in Lobby for carpooling, travel time 15min) | |
| <i>Visit to Permafrost Caves and the Geographical Institute, Museum of the North</i> <i>Tour Scheduled for 10am</i> | | |