

ABoVE
Airborne Science Planning Meeting
and 3rd Science Team Meeting
UCAR Center Green, Boulder, CO
17-20 January 2017

Meeting Objective: Finalize actionable plan for the ABoVE 2017 Airborne campaign

Tuesday, January 17, 2017

Center of Auditorium- Building CG1

Time	Title	Speaker
11:30 AM	Meeting Check-in Hang 4'x4' posters by noon	
12:00 PM	Welcome, introduction, objectives How the airborne campaigns fit into ABoVE science objectives	Scott Goetz
12:10 PM	ABoVE Programmatic perspective	Hank Margolis, Eric Kasischke
12:20 PM	CCEO Support update; Meeting Logistics	Peter Griffith
12:30 PM	Introduction to ABoVE Airborne Planning & Desired Meeting Outcomes with Q&A period	Chip Miller, Christy Hansen
1:00 PM	<i>Break (15min)</i>	
1:15 PM	Presentations by new Airborne Science teams	Chip Miller
	<i>9 selected projects – 5 minutes each</i> <i>Science/sensor/platform summary</i> <i>Ground site/location/timing requirements and priorities</i>	
	Permafrost and Hydrology	
1:15 PM	Iwahana-01: Quantification of thermokarst and carbon release in ice-rich permafrost regions	Go Iwahana
1:20 PM	Schaefer-06: The Airborne InSAR and PoISAR Permafrost Dynamics Observatory	Kevin Schaefer
1:25 PM	Smith-L-01: Sensitivity of Arctic-Boreal surface water to permafrost state	Laurence Smith
1:30 PM	Tabatabaeenejad-01: Estimation of Belowground Biomass and Permafrost Active Layer Properties Using Radar and Lidar Measurements	Alireza Tabatabaeenejad
	Vegetation Structure and Function	
1:35 PM	Drewry-01: Airborne Solar Induced Chlorophyll Fluorescence to Characterize Arctic Boreal Zone Phenology and Productivity	Darren Drewry

1:40 PM	Huemmrich-01: Causes and consequences of arctic greening: the importance of plant functional types	Fred Huemmrich
Carbon Dynamics		
1:45 PM	Miller-C-05: Imaging Arctic Methane Plumes	Chip Miller
1:50 PM	Sweeney-01: Airborne seasonal survey of CO2 and CH4 across ABoVE Domain	Colm Sweeney
Modeling		
1:55 PM	Chatterjee-01: GEOS-5 Forecasting and Modeling in Support of ABoVE airborne research	Abishek Chatterjee
2:00 PM	Thoughts & discussion of common themes of new projects (30 min)	Chip Miller
	<i>Which science objectives are covered – what might be missing</i> <i>Identified conflicts between notional plan and new selections</i> <i>Timing of flights and fieldwork</i> <i>Explanation of decision making process in breakouts</i>	
2:30 PM	Approach for and charge to first breakout session with GIS demonstration and Q&A	Peter Griffith, Elizabeth Hoy
3:00 PM	<i>Break (15min)</i>	
3:15 PM	Breakouts: Group review & discussion of airborne planning	
	Group 1-- Center Auditorium Group 2-- Room 2503 Group 3-- Room 3150	
5:30 PM	Adjourn & No-host social	
6:00 PM	FATE Brewery 1600 38th St, Boulder, CO 80301	

Wednesday, January 18, 2017

Center of Auditorium- Building CG1

Time	Title	Speaker
8:30 AM	Day 2 Welcome	Chip Miller
8:45 AM	Breakout Groups report back	
	<i>Discussion / presentation of desired modifications to nominal flightlines with Q&A period</i>	
9:45 AM	<i>Break (15min)</i>	
10:00 AM	Partners Presentations on Airborne Science Contributions	Libby Larson
10:00 AM	Canadian Agencies & POLAR	Mike Gill
10:10 AM	Canadian Academic Research Projects	Merritt Turetsky & Phil Marsh

10:20 AM	GNWT	Andrew Applejohn
10:30 AM	Yukon Government (remote)	Aynsle Ogden
10:40 AM	NEON	John Musinsky
10:50 AM	NGEE-Arctic	Stan Wullschleger
11:00 AM	Review of approach for breakouts, updates & refinements	Peter Griffith
11:15 AM	Breakouts: review & discussion of airborne planning (3 groups)	
	Group 1-- Center Auditorium Group 2-- Room 2503 Group 3-- Room 3150	
12:30 PM	<i>Lunch and Poster Session</i>	
2:00 PM	Breakout groups continue review & discussion	
	Group 1-- Center Auditorium Group 2-- Room 2503 Group 3-- Room 3150	
3:00 PM	<i>Break (15min)</i>	
3:15 PM	Presentation of Updated Flight Line planning/concurrence	Peter Griffith, Liz Hoy
3:30 PM	Breakout Groups report back	
	<i>Discussion / presentation of desired modifications to notional flightlines with Q&A period</i>	
4:30 PM	Facilitated group discussion of plan forward	Chip Miller
	<i>Status of the current flight data acquisition plan Q&A period and final thoughts on evolution of the plan</i>	
5:30 PM	Recap, Closing remarks, Plan for the next 1.5 days	Scott Goetz