



THE SMAP APPLICATIONS PROGRAM & CMS INITIATIVE WORKSHOP

Sunday, May 18, 2014, 9:00 AM – 5:00 PM (local time)

Sheraton Anchorage Hotel, 401 East 6th Avenue, Anchorage, Alaska

Global measurements of soil moisture and its freeze-thaw state from NASA's Soil Moisture Active-Passive (SMAP) mission coupled with the initiatives of the Carbon Monitoring System (CMS) to develop terrestrial vegetation carbon and biomass inventory information, global maps of land-atmosphere and ocean-atmosphere carbon exchange, as well as spatially resolved sources and sinks of CO₂ concentrations, have the potential to drastically improve our understanding of carbon cycle processes.

This one-day workshop will describe the planned SMAP and CMS carbon products, including product uncertainties, and provide an opportunity to address their potential applications. We define applications as innovative uses of data products in decision making activities for societal benefit. Because application requirements are different for each user, we will address the individual resolution, access and accuracy concerns by thematic discipline. During the workshop, we aim to identify individuals and institutions that work in the area of application for methane and permafrost analysis, especially those relevant to high latitude carbon cycle dynamics and permafrost change. We will also explore effective ways of communicating modeling and analysis uncertainties and biases in data products to decision makers.

Our goal is to bring together experts from the NASA SMAP Mission, CMS initiative, and the US International Association for Landscape Ecology (IALE) community to discuss synergistic opportunities for enhancing the applications for SMAP and CMS data products. For more information please visit: <http://usiale.org/anchorage2014/workshops>

**2014 US-IALE
SYMPOSIUM
FULL DAY
WORKSHOP**

**SOIL MOISTURE
ACTIVE PASSIVE
(SMAP)
APPLICATIONS
PROGRAM AND
NASA'S CARBON
MONITORING
SYSTEM (CMS)
INITIATIVE**

**WE ARE LOOKING FOR
ECOSYSTEM ECOLOGY
EXPERTS CONDUCTING
RESEARCH IN ARTIC-
BOREAL REGIONS TO SPEAK
ABOUT POSSIBLE LINKAGES
WITH FUTURE SMAP AND
CMS DATA PRODUCTS. FOR
MORE INFORMATION
PLEASE CONTACT US.**

VANESSA ESCOBAR

Mission Applications Deputy
Coordinator

NASA Goddard Space Flight
Center

301-614-6654

vanessa.escobar@nasa.gov