

SMAP Early Adopters		
	Investigator and Institution	Applications Research Topic
Selected in 2011		
1	Stephane Belair , Meteorological Research Division, Environment Canada (EC)	<i>Assimilation and impact evaluation of observations from the SMAP mission in Environment Canada's Environmental Prediction Systems</i>
2	Hosni Ghedira , Masdar Institute, UAE	<i>Estimating and mapping the extent of Saharan dust emissions using SMAP-derived soil moisture data</i>
3	Zhengwei Yang and Rick Mueller , USDA National Agricultural Statistical Service (NASS)	<i>U.S. National cropland soil moisture monitoring using SMAP</i>
4	Catherine Champagne , Agriculture and Agri-Food Canada (AAFC)	<i>Soil moisture monitoring in Canada</i>
5	Amor Ines and Stephen Zebiak , International Research Institute for Climate and Society (IRI) Columbia University	<i>Seasonal climate forecasts with dynamic crop simulation models for crop forecasting and food security early warning applications</i>
6	Lars Isaksen and Patricia de Rosnay , European Centre for Medium-Range Weather Forecasts (ECMWF)	<i>Monitoring SMAP soil moisture and brightness temperature at ECMWF</i>
7	Xiwu Zhan, Michael Ek and John Simko , NOAA National Environmental Satellite Data and Information Service, Center for Satellite Applications and Research (NOAA-NESDIS-STAR)	<i>Transition of NASA SMAP research products to NOAA operational numerical weather and seasonal climate predictions and research hydrological forecasts</i>
Selected in 2012		
8	Curt Reynolds , USDA Foreign Agricultural Service (FAS)	<i>Enhancing USDA's global crop production monitoring system using SMAP soil moisture products</i>
9	John Eylander , U.S. Army Engineer Research and Development Center (ERDC) Cold Regions Research and Engineering Laboratory (CRREL)	<i>U.S. Army Engineer Research and Development Center (ERDC) SMAP adoption for USACE civil and military tactical support</i>
10	Jim Reardon and Gary Curcio , US Forest Service (USFS)	<i>Wildfire danger and estimated smoldering potential in the organic soils of the North Carolina coastal plain</i>
11	Gary McWilliams, Li Li, Andrew Jones and George Mason , Dept. of Defense - Soil Moisture Applications Consortium (SMAC)	<i>Exploitation of SMAP data for Army and Marine Corps mobility assessment</i>
12	Michael Ek, Marouane Temimi, Xiwu Zhan , NOAA National Centers for Environmental Prediction (NCEP)	<i>Integration of SMAP freeze/thaw product into the NOAA NCEP weather forecast models</i>
13	John Galantowicz , Atmospheric and Environmental Research, Inc. (AER)	<i>Use of SMAP-derived inundation and soil moisture estimates in the quantification of biogenic greenhouse gas emissions</i>
14	Jingfeng Wang, Rafael Bras and Aris Georgakakos , Georgia Institute of Technology (GIT)	<i>Application of SMAP observations in modeling energy/water/carbon cycles and its impact on weather and climatic predictions</i>
15	Kyle McDonald , City College of New York (CUNY) and CREST Institute, and Don Pierson , New York City Dept. of Environmental Protection	<i>Application of SMAP freeze/thaw and soil moisture products for supporting management of New York City's potable water supply</i>
16	Chris Funk, Amy McNally and James Verdin , US Geological Survey & UC Santa Barbara	<i>Incorporating soil moisture retrievals into the Famine Early Warning System (FEWS) Land Data Assimilation System (FLDAS)</i>
17	Fiona Shaw , Willis, Global Analytics	<i>eNCOMPASS - A risk identification and analysis system for insurance; Multiple catastrophe risk models, risk rating tools and risk indices for insurance and reinsurance purposes including a Global Flood Model</i>
18	Rafael Ameller , StormCenter Communications, Inc.	<i>SMAP for enhanced decision making (emergency management)</i>
Selected in 2013		
19	Jonathan Case and Clay Blankenship , Marshall Space Flight Center and Universities Space Flight Center	<i>Application of Next-Generation Satellite Data to a High-Resolution, Real-Time Land Surface Model with SMAP.</i>
20	Barbara S. Minske , University of Illinois and sponsored by John Deere Inc.	<i>Comprehensive, Large-Scale Agriculture and Hydrologic data Synthesis</i>