

2011 SMAP Early Adopters**Stephane Belair**

Meteorological Research Division,
Environment Canada (EC)

*Assimilation of SMAP active and
passive data in the Canadian Land
Data Assimilation System (CaLDAS)*

Lars Isaksen and Patricia de Rosnay

European Centre for Medium-Range
Weather Forecasts (ECMWF)

*Implementation of monitoring of
SMAP soil moisture and brightness
temperature at ECMWF*

Xiwu Zhan

NOAA National Environment Satellite, Data
and Information Service, Center for Satellite
Applications and Research (NOAA-
NESDIS-STAR)

*Transition of NASA SMAP research
products to NOAA operational
numerical weather and seasonal
climate predictions and research
hydrological forecasts*

Hosni Ghedira

Masdar Institute, United Arab Emirates

*Estimating and mapping the extent of
Saharan dust emissions using SMAP-
derived soil moisture data*

Zhengwei Yang and Rick Mueller

National Agriculture Statistics Service
(NASS)

*U.S. national cropland soil moisture
monitoring using SMAP*

Amor Ines and Stephen Zebiak

International Research Institute for Climate
and Society (IRI), The Earth Institute at
Columbia University

*SMAP for crop forecasting and food
security early warning applications*

Catherine Champagne

Agriculture and Agri-Food Canada (AAFC)

Soil moisture monitoring in Canada