

Day 1, Monday 4/11		
	SMOS: the Past, Present and Future	Y. Kerr, M. Drusch
9:30	Introduction, Objectives, Mission Extension	Matthias Drusch
9:50	To make a long story short	Yann Kerr
10:10	The Corbella Equation	Manuel Martin-Neira
10:30	15 years of SMOS Brightness Temperature data	Roi Oliva
10:50	ESA SMOS mission's geophysical products status and evolutions	Raffaele Crapolicchio
11:10	Coffee Break	
	SMOS for Climate and Fundamental Data Records	R. Sabia, D. Miralles
11:30	Climate Space Programme and how SMOS can contribute.	Susanne Mecklenburg
11:50	Using SMOS in climate data records: what have we learned, what do we need next?	Wouter Dorigo
12:10	Overview of the ESA CCI+ Sea Surface Salinity project	Jacqueline Boutine
12:30	Salinity Signatures of Gulf Stream Eddies: statistics over 15-years of SMOS observation	Nicolas Reul
12:50	Improving SMOS-Derived Sea Surface Salinity in Areas Impacted by RFI and Greenland Coastal Waters	Fabrice Bonjean
13:10	Lunch	
	SMOS and Interfaces & Coupling in the Earth System I	P. de Rosnay, M-J. Escorihuela
14:20	Water Cycle Linkages to Variations in Terrestrial Biosphere and Regional Hydroclimate based on Global Land Radiometry	Dara Entekhabi
14:40	Unraveling soil moisture feedbacks during drought and heatwaves using satellite data	Diego Miralles
15:00	Machine learning SMOS soil moisture product assimilation at ECMWF	Kirsti Salonen
15:20	Passive microwave radiometry to monitor near-daily river flow and lake level on a global scale	Zsofia Kugler
15:40	Coffee Break	
	SMOS and Interfaces & Coupling in the Earth System II	J. Boutin, L. Kaleschke
16:00	Indo-Pacific salinity variability shaped by interplay of climate variability, water cycle, and inter-basin exchange	Tong Lee
16:20	Tracing Freshwater Pathways in the Indonesian Maritime Continent: Insights from SMOS Remote Sensing and High-Resolution Ocean Modeling	Bayu-Edo Pratame
16:40	Arctic Freshwater, Salinity, Sea Ice Formation	Julian Schanze
17:00	Melt detection in Greenland and Antarctica from SMOS enhanced resolution brightness temperatures	Pierre Zeiger
17:20	Aperitivo at Castello San Marco	

Day2, Tuesday 5/11		
	SMOS an the Carbon Cycle	N. Rodriguez-Fernandez, E. Olmedo
9:00	SMOS Assimilation in Carbon Models	Marko Scholze
9:20	Overcoming Challenges in Developing Soil Moisture and Vegetation Optical Depth Retrievals for Forested Areas using L-band Radiometry	Andreas Colliander
9:40	Exploiting Long-Term L-Band Passive Microwave Observations for Above-Ground Biomass Estimation	Julio-César Salazar-Neira
10:00	The SMOS Freeze-Thaw Product: Development and Its Role in Methane Emission Studies at FMI	Kimmo Rautiainen
10:20	SMOS for ocean carbon and Ocean Acidification	Roberto Sabia
10:40	Coffee Break	
	SMOS for Energy and Water Cycles	G. Macelloni, N. Reul
11:00	SMOS L-band data for Numerical Earth-system Weather prediction at ECMWF	Patricia de Rosnay

11:20	Salinity under warming: A Dynamic Indicator for Understanding Water Cycle Intensification	Lisan Yu
11:40	15 Years of Sea Ice Thickness Observation from SMOS	Xiangshan Tian Kunze
12:00	Retrieving ground, snow, and vegetation parameters from SMOS during winter	Manu Holmberg
12:20	On the retrieval of ice sheet temperature by using SMOS observations	Marion Leduc-Leballeur
12:40	Lunch	
	Advanced Methods in L-band Radiometry	R. Crapolicchio, I. Corbella
13:50	Temperature Dependence of L-band Vegetation Optical Depth over the Boreal Forest from 2011 to 2022	Mike Schwank
14:10	SMOS contribution for Solar Physics studies and Space Weather applications	Consuelo Cid
14:30	Vertical Total Electron Content maps from SMOS radiometric data: Analysis of geomagnetic storms	Veronica Gonzalez
14:50	The Earth Observation RFI Scanner: SMOS RFI mitigation performance evaluation from the European Centre for Medium-Range Weather Forecasts	Raul Onrubia
15:10	Coffee Break	
	Cal-Val and Airborne Systems	R. Diez, M. Schwank
15:30	Advancing Satellite Sea Surface Salinity Validation: The Evolution and Expansion of the PiMEP Platform	Sebastien Guimbar
15:50	Fiducial Reference Measurements for Soil Moisture (FRM4SM) and their contribution to SMOS science	Alexander Gruber
16:10	Swiss national soil moisture and drought monitoring – activities and plans	Simone Bircher Adrot
16:30	A near-space surveillance capability for natural disaster risk prediction and monitoring	Jeff Walker
16:50	SLAP Airborne L-Band Observations: Providing Insights for SMOS and SMAP in Boundary Layer, Soil Freeze/Thaw, Salinity, Wildfire, and RFI Applications	Edward Kim
17:10	End of Day - Social Dinner	

Day3, Wednesday 6/11

	SMOS for Societal Benefits: Extremes, Hazards and Operational Services	S. Bircher, Z. Kugler
9:00	ESA SMOS+ Hydrology: On the value of SMOS observations for hydrological modelling	Hans Lievens
9:20	High resolution drought monitoring based on SMOS Soil Moisture data	Maria Jose Escorihuela
9:40	Monitoring Ocean Storms with SMOS - Lessons learned in Extreme Air-Sea interactions	Nicolas Reul
10:00	Detection of Solar Radio Burst from SMOS Mission	Federica Guarnaccia
10:20	Coffee Break	
	Future L-band Radiometer Mission Concepts	I. Corbella, R. Oliva
10:40	The Copernicus Imaging Microwave Radiometer (CIMR): from L-band to Ka-band	Catherine Prigent
11:00	CryoRad: a new ultrawide band low frequency radiometric mission	Giovanni Macelloni
11:20	The Fine Resolution Explorer for Salinity, Carbon and Hydrology (FRESCH): a mission to study ocean-land-ice interfaces	Nemesio Rodriguez-Fernandez
11:40	Sea-Air-Ice-Land Interactions (SAILIN) mission: taking the pulse of our planet's fluxes.	Estrella Olmedo
12:00	The Global L-band Observatory for Water Cycle Studies (GLOWS) – SMAP Continuity Mission: Project status and updates	Rajat Bindlish
	Wrap Up	Y. Kerr, M. Drusch
12:20	Wrap-Up by session chairs	
13:10	End of Day - Lunch	

Posters (on display on all Days)

CATDS: SMOS L3/L4 products generation and dissemination	Stéphane Tarot
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The long-term L-band brightness temperature experiment in Concordia – DOMEX-3: 12 years in the field	Francesco Montomoli
TriHex Imaging Simulation	Ignasi Corbella
Advanced melt indicators by combining SMOS and AMSR2 observations in Antarctica	Marion Leduc-Leballeur
Retrieving the soil surface temperature below the snowpack in the Arctic permafrost area from SMOS brightness temperature.	Juliette Ortet
New regional SSS fields available at CATDS CEC-OS	Jacqueline Boutin
SMOS brightness temperature monitoring at ECMWF	Kirsti Salonen
The Level-2 Product Algorithm Development (L2PAD) project : preparing open-source algorithms and software for the Copernicus Imaging Microwave Radiometer (CIMR) mission	Verónica González-Gambau
SMOS in QA4SM: Quality assessment through an online validation platform	Wolfgang Preimesberger
L-VOD initialization methodology for SMOS level 2 retrieval algorithm using GEDI and ICESat-2 data	Cristina Vittucci
Characterization of SMOS, SMAP and Aquarius uncertainties in the CCI SSS processing	Jean-Luc Vergely
Application of SMOS SSS L4 data to improve the understanding of the salinity dynamics and circulation of the Baltic Sea	Rafael Catany
Hydrological drought monitoring in the Ebro basin: Standardized Soil Moisture Index	Guillem Sánchez Alcalde
Data Quality monitoring to support SMOS Fundamental Climate Data Record (FCDR) characterization.	Raúl Díez García