

**Living Planet Symposium - AGORA on
SMOS – an ESA Earth Explorer satellite:
From technology demonstrator to operational applications**

**Monday 13 May 2019
13:00 to 14:50
Agora Giardino**

	Title	Presenter
13:00	Welcome and opening address	Josef Aschbacher D/EO ESA
5 min each presentation	The first interferometric L-Band radiometer flown in space	Manuel Martin-Neira, ESA
	Agricultural applications: root zone soil moisture, drought index	Yann Kerr, CESBIO
	Current and future SMOS based operational applications at ECMWF: soil moisture assimilation for NWP, fire risk and flood forecasting	Patricia de Rosnay, ECMWF
	Fire-drought relationship and wildfire prediction with SMOS	Maria Piles, University of Valencia
	SMOS for monitoring global-scale plant water storage and carbon balance	Feng Tian, Lund University, Sweden
	Quantifying methane exchange using SMOS soil freeze and thaw data	Juha Lemmetaynen, FMI
	Operational High Resolution Soil Moisture for Desert Locust Management	Maria Jose Escorihuela, isardsat
	Sea ice thickness from SMOS and in synergy with Cryosat	Lars Kaleschke, AWI
	Impact of SMOS observations in the Copernicus Marine service	Benoit Tranchant, Copernicus Marine Environment Monitoring Service
	Severe storms over ocean	Nicolas Reul, IFREMER
	High-resolution SMOS salinity products in the Mediterranean	Antonio Turiel, Barcelona Expert Centre
	SMOS for the terrestrial cryosphere	Giovanni Macelloni, IFAC
	Sea Surface Salinity: a tracer of Ocean and Atmosphere anomalies during ENSO events'	Jacqueline Boutin, LOCEAN
	Closing remarks	Susanne Mecklenburg, ESA