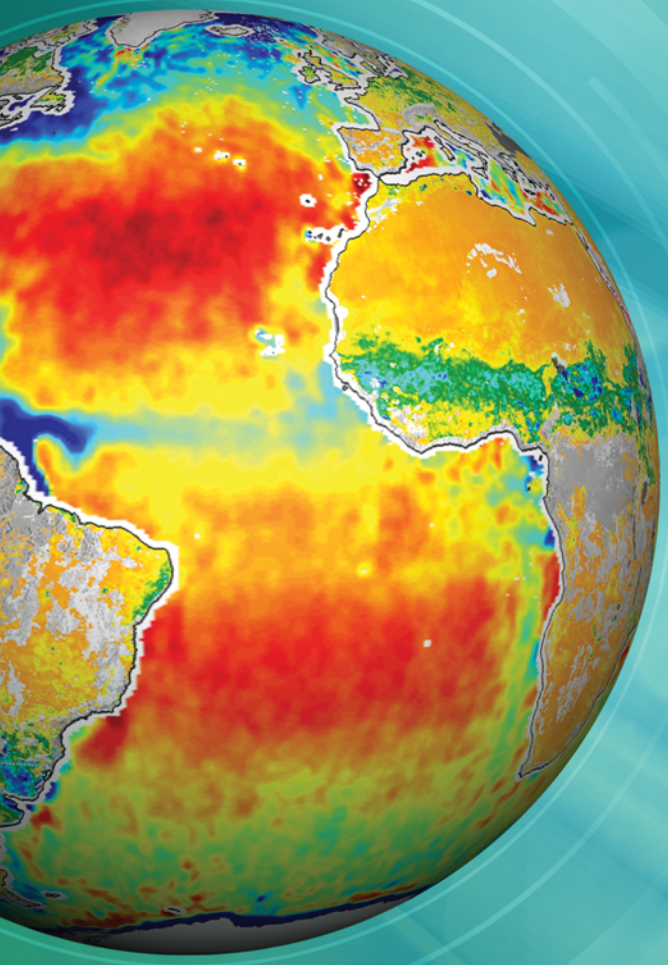

→ ESA SPECIAL SESSION

SMOS – an ESA Earth Explorer satellite: From technology demonstrator to operational applications

Tuesday 24 July | 18:30 to 20:00 | Auditorium 1A

Opening address by ESA's Director of Earth Observation Programmes, Josef Aschbacher

18:30	Welcome	**Mónica López, CDTI**
18:35	The first interferometric L-Band radiometer flown in space	**Manuel Martin-Neira, ESA**
18:40	MIRAS: The SMOS instrument: a technology challenge	**Josep Closa, EADS CASA**
18:45	Agricultural applications: root zone soil moisture, drought index, vegetation optical depth	**Yann Kerr, CESBIO**
18:50	SMOS neural network soil moisture assimilation for NWP	**Patricia de Rosnay, ECMWF**
18:55	Fire-drought relationship and wildfire prediction with SMOS	**Maria Piles, University of Valencia**
19:00	Operational High Resolution Soil Moisture for Desert Locust Management	**Maria Jose Escorihuela, isardsat**
19:05	Using SMOS soil moisture in the Copernicus Climate Change Service (C3S)	**Wouter Dorigo, Vienna University of Technology**
19:10	Impact of SMOS Sea-ice thickness and salinity observations in the Copernicus Marine service	**Antonio Reppucci, Copernicus Marine Environment Monitoring Service**
19:20	Severe storms over ocean	**Roberto Sabia, ESA on behalf of Nicolas Reul, IFREMER**
19:25	High-resolution SMOS salinity products in the Mediterranean	**Antonio Turiel, Barcelona Expert Centre**
19:30	Sea Surface Salinity: a tracer of Ocean and Atmosphere anomalies during ENSO events'	**Jacqueline Boutin, LOCEAN**
	Closing remarks and aperitif	**Susanne Mecklenburg, ESA**