



**COST ESSEM COST Action ES1001:
SMOS Mission Oceanographic Data Exploitation (SMOS-MODE)**

Work Group 1 & 2 Meetings

Bremen (Germany), on 2 & 3 December 2013

Draft Agenda

Monday, 2 December 2013

09:00 – 09:15: Welcome and Logistics (MC Chair and Local Host)

WG1 Session

09:15 – 09:25: TBC: Status of the SMOS mission

09:25 – 09:35: T. Lee, NASA: Update of the Aquarius/SAC-D mission and data products

09:35 – 09:45: S. Yueh, NASA: Status of the Soil Moisture Active Passive (SMAP) mission

09:45 – 10:00: H. Park, Spain: High Angular Resolution RFI Detection in Synthetic Aperture Interferometric Radiometers Using Direction of Arrival Estimation

10:00 – 10:15: A. Turiel, Spain: Advances in image reconstruction in SMOS based on nodal representation

10:15 – 10:30: S. Yueh, NASA: Galactic reflection correction algorithm for salinity retrieval

10:30 – 11:00: **Coffee Break**

11:00 – 11:10: N. Reul, France: Improved Sea surface roughness corrections for SMOS

11:10 – 11:25: M. Migliaccio, Italy: Gradient method for radiometer spatial-resolution amelioration in L2 and Lp spaces

11:25 – 11:30: J. Boutin, France: SMOS salinity in the subtropical north Atlantic region

11:30 – 11:35: T. Lee, NASA: Consistency of SMOS and Aquarius SSS in studying the effect of Mississippi River discharge in the Gulf of Mexico

11:35 – 11:50: S. Guimbard, Spain: SMOS and Aquarius SSS fusion based level 4 product

11:50 – 12:05: U. Kanjir, Slovenia: Automatic ship detection from optical satellite data



12:05 – 12:35: WG1 Round Table

12:35 – 14:00: **Lunch Break**

WG2 Session

- 14:00 – 14:15: R. Sabia, The Netherlands: SMOS-based T-S diagrams and water masses
- 14:15 – 14:20: J. Ballabrera, Spain: Creating level 4 SSS products with Data Assimilation
- 14:20 – 14:25: A. Alvera Azcarate or I. Tomazic, Belgium: Latest advancements in the analysis of SMOS data using DINEOF
- 14:25 – 14:40: J. Azzopardi, Malta: Availability and Quality of SMOS SSS Data in the Central Mediterranean Area
- 14:40 – 14:45: T. Lee, JPL, NASA: Comparison of Aquarius SSS with Argo, TAO, WOA climatology, and HYCOM
- 14:45 – 14:50: Y. Samuel-Rhoads, Cyprus: Examination and comparison of SMOS and MYOCEAN global salinity data
- 14:50 – 14:55: E Słomińska, Poland: Towards SMOS-iceberg products
- 14:55 – 15:00: L. Toudal Pedersen and R. Tonboe, Denmark: Advances in sea-ice applications of SMOS data in Denmark
- 15:00 – 15:15: I. Jónsdóttir, Iceland: Remote sensing methods for sea-ice monitoring in Greenland Sea
- 15:15 – 15:30: C. Gabarró, Spain: Can we detect melt ponds with SMOS?
- 15:30 – 16:00: **Coffee Break**
- 16:00 – 16:15: G. Heygster, Germany: Thickness of thin sea ice from SMOS observations - more validation and time series for climate model validation
- 16:15 – 16:20: J. Boutin, France: SMOS salinity in the subtropical north Atlantic salinity maximum: Observation of the surface thermohaline horizontal structure and of its seasonal variability
- 16:20 – 16:35: G. Marteinsdóttir, Iceland: Marsin – Construction of hydrodynamic information system for the mid North Atlantic
- 16:35 – 16:50: A. Ten Doeschate, Ireland: Measuring upper ocean variability in Temperature, Salinity and Dissipation during SPURS
- 16:50 – 17:05: A. Machado, Portugal: Upper ocean salt budgets in the Northwestern Iberia: seasonal to interannual variability in a high-resolution simulation



17:05 – 17:20: R. J. Catany, U.K.: Detecting hurricane induced upwelling in satellite and in situ measurements of sea surface salinity and temperature

17:20 – 17:50: WG2 Round table

20:00: **Social Dinner**

Tuesday, 3 December 2013

08:30 – 09:30: WG1 & WG2 Summary - Round table

9:30 – 10:00: **Coffee Break**

Management Committee Meeting

10:00 – 12:00: MC Meeting

12:00 – 13:30: **Lunch Break**

13:30 – 15:00: MC Meeting