

DEADLINES

Submission of Abstracts and registration **14 January 2013**
Notifications of Acceptance and Issue of Programme **25 February 2013**

ON-LINE REGISTRATION

Workshop participants are requested to complete the registration form and submit it through the workshop webpage (www.smosaquarius2013.org) by **14 January 2013**. There will be no registration fee.

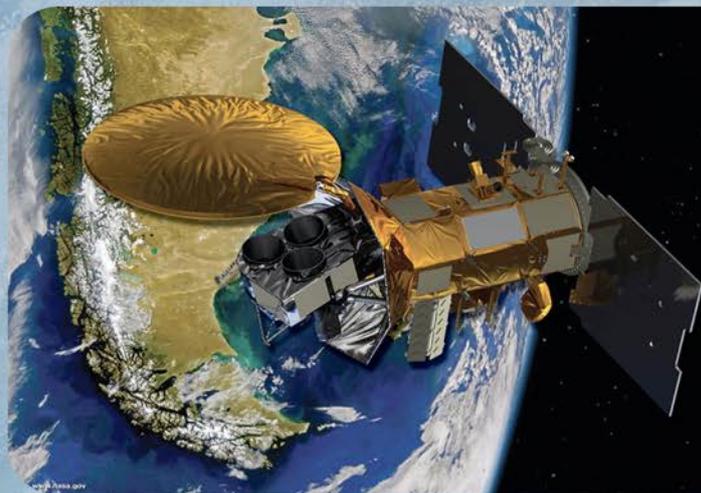
ORGANISATION

The workshop will be organised around oral and poster presentations as well as invited talks from key experts. Common topics to ocean and land applications will be presented in a plenary session.

There will be parallel sessions for land and ocean only applications, including sufficient time for discussion. For specific topics on sea surface salinity and soil moisture (see above), dedicated working group meetings will be organised. The official language of the workshop is English.

TRAVEL AND ACCOMMODATION

Participants are expected to finance their own travel and accommodation. A list of hotels is available at www.smosaquarius2013.org



Artist conception of the Aquarius/SAC-D satellite over Patagonia. Aquarius/SAC-D is a joint US-Argentina mission to measure surface salinity, wind, rain, temperature and other environmental variables.

SCIENTIFIC COMMITTEE

Nicolas Reul | IFREMER

Yann Kerr | CESBIO

Jordi Font | ICM/CSIC

Antonio Turiel | ICM/CSIC

Gary Lagerloef | ESR

Peter Hacker | NASA

David Le Vine | NASA

Jacqueline Boutin | LOCEAN

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Matthias Drusch | ESA-ESTEC

Susanne Mecklenburg | ESA-ESRIN

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Yi Chao | JPL

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POINTS OF CONTACT

For local organizational queries (travel and accommodation) please contact:

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ORGANISING COMMITTEE

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Marie-Laure Quentel and Francine Loubrieu | IFREMER Conference Bureau

Susanne Mecklenburg | ESA

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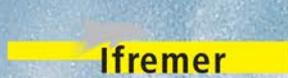
David Le Vine | NASA

Carole Larigauderie | CNES

George Zodiatis | SMOS MODE

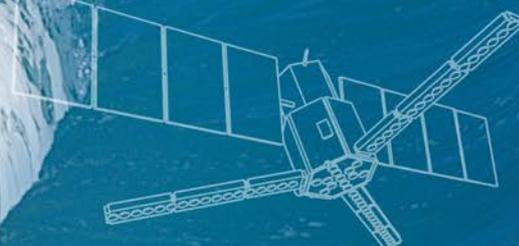
PARTICIPATION

The workshop is open to scientists and students interested in exploiting **SMOS and Aquarius data**. The workshop will be held at IFREMER Centre de Brest, Technopôle Pointe du Diable, Plouzané, 29280, France.



→ SMOS & AQUARIUS SCIENCE WORKSHOP

15 -17 April 2013 | IFREMER | Brest, France



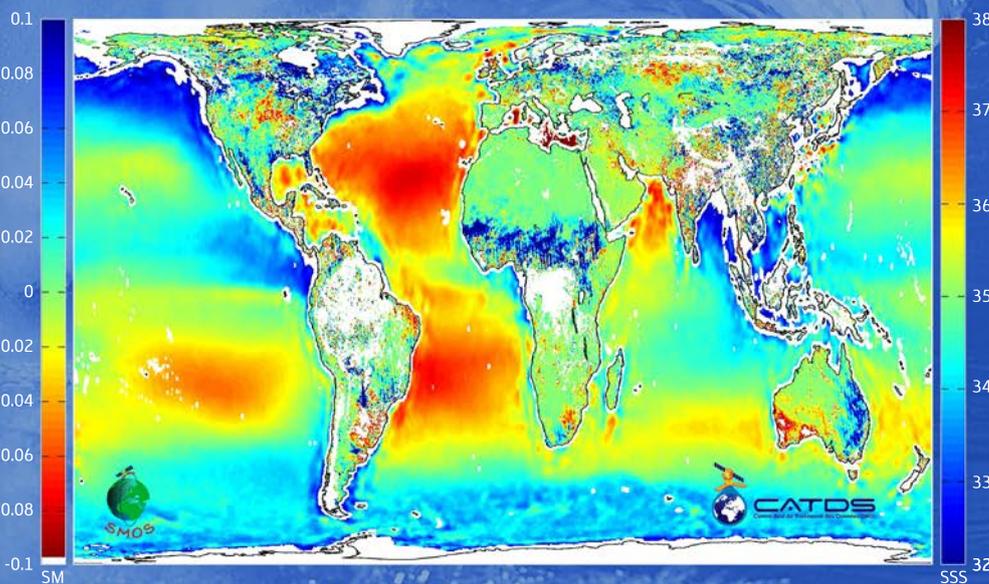
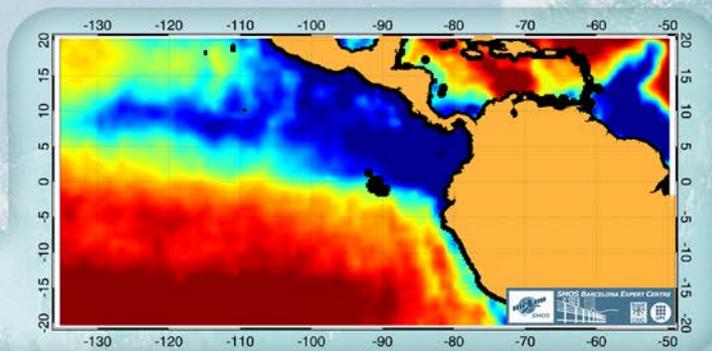
OBJECTIVES

- Provide the SMOS and Aquarius science communities with an overview on the present quality of the provided data, and an outlook on future algorithm developments.
- Explore common L-band sensor and algorithm issues for sea surface salinity and soil moisture retrievals derived by SMOS and Aquarius data.
- Present broader science achievements of both missions, including modelling results.
- Explore synergistic use of and validation approaches for SMOS, Aquarius and other sensors' data over land and ocean.
- Provide a forum for discussion on specific topics related to improving sea surface salinity and soil moisture retrievals through dedicated working groups.
- Two dedicated working groups on surface stratification and inter-calibration (for ocean and land) issues are foreseen.

Sea surface salinity level 4 map (0.25x0.25 deg, 10-day composite for 10-19 July 2011) at the Equatorial Eastern Pacific. Low-salinity water progresses into the Pacific driven by tropical instability waves generated by the interaction of the equatorial current with the Galapagos islands. Credits: BEC, ICM, ESA.

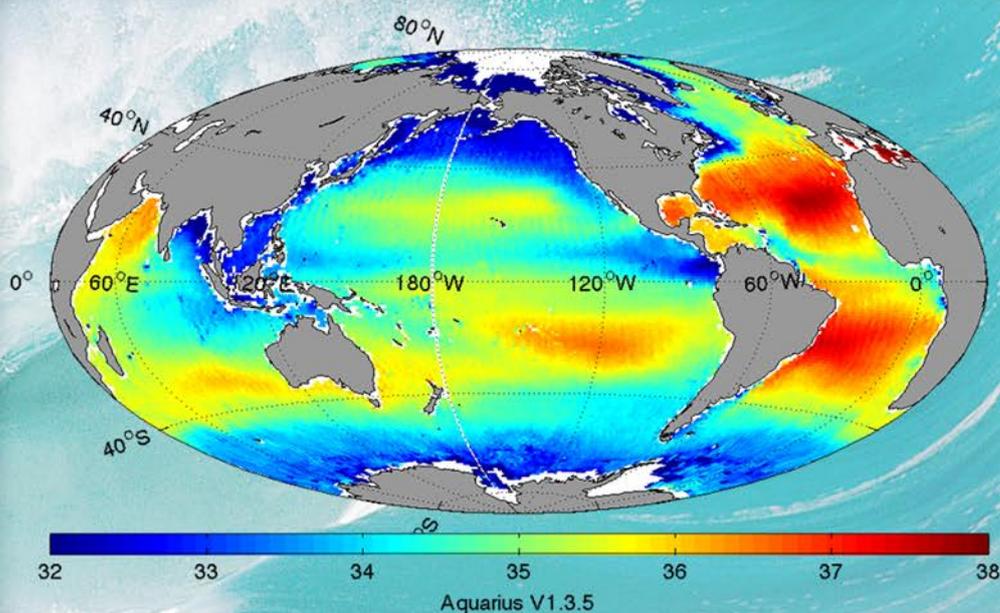
THEMES

- SMOS' and Aquarius' mission status (instrument calibration, data quality, evolution of retrieval algorithms)
- Sea surface salinity
- Soil moisture
- Cryospheric applications using SMOS and Aquarius data
- Synergistic use of SMOS and Aquarius data
- Combination of SMOS and Aquarius data with other sensors



Global sea surface salinity (averaged, in psu, for May 2010 to June 2012) and volumetric soil moisture (for July 2011 to July 2012) derived from ESA's SMOS mission.

Credits: CNES, CESBIO, IFREMER, ESA.



Average of the first 12 global monthly level 3 salinity maps (Sep 2011 – Aug 2012). These are simply 1x1 degree interpolated fields from the calibrated level 2 (swath) data with no special enhancements. The data are version 1.3.5 evaluation products prior to the V2.0 release planned for Dec 2012. Additional updates are expected before the workshop.

Credit: NASA