



Welcome to the SAR Altimetry Workshop

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Background

- This SAR Altimetry Workshop is organized by EUMETSAT and CNES in the framework of the "New era of altimetry, new challenges" event.
- Unique opportunity to explore the mission performances of the SAR altimetry measurements in synergy with the traditional Ocean Surface Topography Science Team meeting
- Continuity with the **CP40** and **SCOOP** ESA programs and the ESA/EUMETSAT **SAR Altimetry Expert Meeting** (Southampton 2013) initiatives
 - SAR training courses: Konstanz 2014, next one in Florence, Feb 2017
- Large SAR datasets already available with CryoSat-2 and Sentinel-3 (first mission providing a global coverage)
 - CryoSat-2: several years over SAR mode patches
 - Sentinel-3:
 - Data set accessible to expert data users (S3VT)
 - Official S-3 STM data release to the user community (L1A, L1B, L2WAT & L2LAN products) is planned for early December 2016
 - The L1B-S have still to be QC'ed before official data release. This will nominally happen Q1 2017.

Objectives

The main objectives of the workshop are to:

- Provide a forum for experts and users to exchange views and to initiate and encourage close collaboration between research groups
- Review the progress status of SAR altimetry processing and applications over open ocean, coastal areas and inland waters.
- Explore new SAR processing methods for reaching enhanced performance
- Review and assess the maturity and operational readiness of Sentinel-3 products (as well as CryoSat-2 over the SAR patches)

Organisation and Sessions

The workshop is organized around papers and posters selected by the Scientific Committee.

Large number of contributions: (44 abstracts submitted)

18 oral presentations

26 posters

Agenda:

10:10 - 10:30: **SAR altimetry: precedent, present, and prospects (fifty years following Apollo 17)**

Invited paper presented by R. Keith Raney (2kR-LLC)

10:30 - 11:00 coffee

11:00 - 12:30: **Innovative SAR processing methods**

Chairs: Robert Cullen, Salvatore Dinardo, Walter H.F. Smith

12:30 - 14:00 lunch

14:00 - 15:30: **SAR mode performances: SAR CALVAL from Cryosat-2 and Sentinel-3**

Chairs: Pierre Féménias, Monica Roca, Pierre Thibaut

15:30 - 16:00 coffee

16:00 - 17:30: **Applications: SAR for science**

Chairs: Jérôme Benveniste, David Cotton, Remko Scharroo

17:30 - 18:30: **Future missions, recommandations and round table**

Chairs: Craig Donlon, Lee-Lueng Fu, Nicolas Picot

18:30 - 19:30: **Poster Session (posters are on display all day)**

@Grande Halle

This evening: posters and Aquarium visit

Come to the poster session – SAR workshop posters **can be put up now and can stay up all week**

Visit to the aquarium: this evening 19:30 to 21