

ORGANISATION

The official language of the workshop is English.

The workshop is organised around:

- Papers and posters (interactive) selected by the Scientific Committee
- Round table discussions seeded with questions prepared by the Scientific Committee and ESA
- Demonstration of software tools

DEADLINES

<u>1st announcement</u>	<u>December 2017</u>
<u>Abstracts submission deadline</u>	<u>31 January 2018</u>
<u>Notification of Acceptance</u>	<u>18 February 2018</u>
<u>Issue of Preliminary Programme</u>	<u>March 2018</u>
<u>Registration</u>	<u>end April 2018</u>
<u>Release of Final Programme</u>	<u>At the Workshop</u>

Further information and guidelines regarding the registration and abstract submission can be found on the workshop website at:

<http://seasar2018.esa.int>



ORGANISING COMMITTEE

Marcus Engdahl (ESA) • Gordon Campbell (ESA) • Malcolm Davidson (ESA) • Yves-Louis Desnos (ESA) • Craig Donlon (ESA) • Diego Fernandez Prieto (ESA) • Sabrina Lodadio (Serco c/o ESA) • Nuno Miranda (ESA) • Pierre Potin (ESA) • Betlem Rosich-Tell (ESA)

SCIENTIFIC COMMITTEE

Sónia Antunes (EMSA, Portugal) • Fabrice Collard (Ocean Datalab, France) • Lotfi Aouf (MeteoFrance, France) • Merete Badger (DTU, DK) • Camilla Brekke (University of Tromsø, Norway) • Wolfgang Dierking (AWI, Germany) • Jose da Silva (University of Porto, Portugal) • Torbjørn Eltoft (University of Tromsø, Norway) • David Jackson (Canadian Ice Service, Canada) • Johnny A. Johannessen (NERSC, Norway) • Harald Johnsen (Norut, Norway) • Vincent Kerbaol (CLS, France) • Francisco Ocampo-Torres (CICESE, Mexico) • Roland Romeiser (RSMAS-OCE, University of Miami, USA) • Jing Song Yang (SIO, China) • Marjolaine Krug (CSIR, SA) • William A. Perrie (Fisheries and Oceans, Canada)

CONTACT POINTS

Workshop Coordinator:

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Cover image:
Hurricane Maria
Ocean Surface wind speed from S-1
processed by Laboratoire
d'Océanographie Physique et Spatiale de
l'IFREMER (LOPS/IFREMER)



→ **SEASAR 2018**

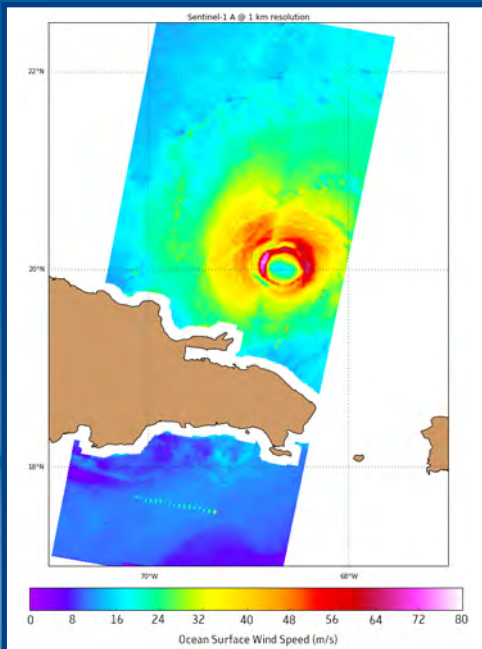
Advances in SAR Oceanography

7–10 May 2018

ESA-ESRIN | Frascati (Rome), Italy



European Space Agency



BACKGROUND

The European Space Agency is organizing the fifth SAR oceanography workshop, SeaSAR 2018, entitled “**Advances in SAR Oceanography**”, which is to be hosted in ESA-ESRIN from 7 to 10 May 2018. The workshop is part of the **#EOScience4Society** – scientific exploitation programme element, to foster the new opportunities in research platforms, to exploit data from ESA and operational EO Missions (e.g. Copernicus Sentinels) for science and application development.

PARTICIPATION

The workshop is open to ESA Principal Investigators, co-investigators, Sentinel-1 users, scientists, students, representatives from national, European and international space agencies and value adding industries.

No participation fees will be charged. Participants are expected to finance their own travel and accommodation expenses and no student grants are foreseen for this workshop.

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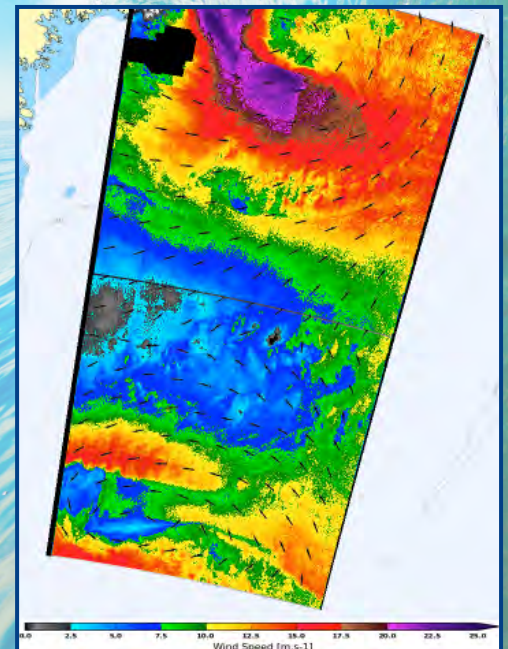
← Hurricane Irma

Ocean Surface wind speed from S-1
processed by Laboratoire d'Océanographie Physique et Spatiale de l'IFREMER (LOPS/IFREMER)

OBJECTIVES

The main objectives for the workshop are:

1. Report on progress/status of recommendations of SeaSAR 2012
2. Provide a forum for scientific exchange and to assess the state of art in SAR coastal and marine applications, virtual labs, tools, virtual platforms.
3. Initiate and encourage close collaboration between individual research groups
4. Stimulating and supporting the exploitation of the ESA Earth Explorer and Copernicus Sentinel Missions. Formulate recommendations for algorithm and new products development
5. Present exploitation results from spaceborne SAR missions and application projects
6. Present SAR marine and ice services developed under the Copernicus Programme
7. Group-work and discussion, to develop new skills in the application of complementary satellite for ocean remote sensing data sets and their application in synergy for science and applications serving society.



PROPOSED THEMES

The workshop will focus around the following themes:

- Sentinel-1
- Wave mode processing algorithms, product validation and assimilation
- Ocean wind retrievals and applications
- Ocean current retrievals and applications
- Wave retrievals and applications
- Sea ice retrievals and applications
- Oil spill and ship detection
- Methodology and techniques



Greenland Sea

Ocean Surface wind speed from S-1
processed by CLS, France