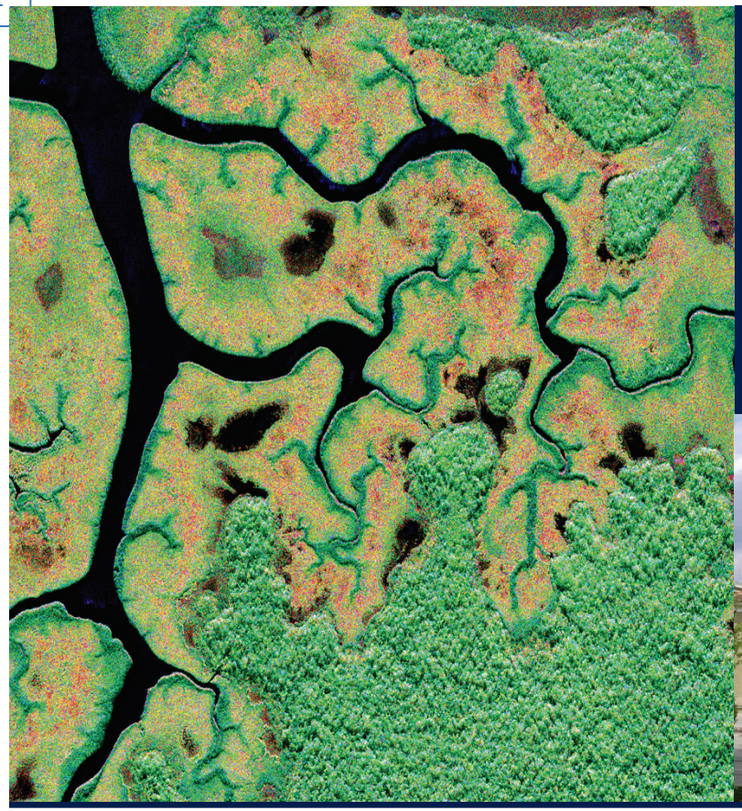
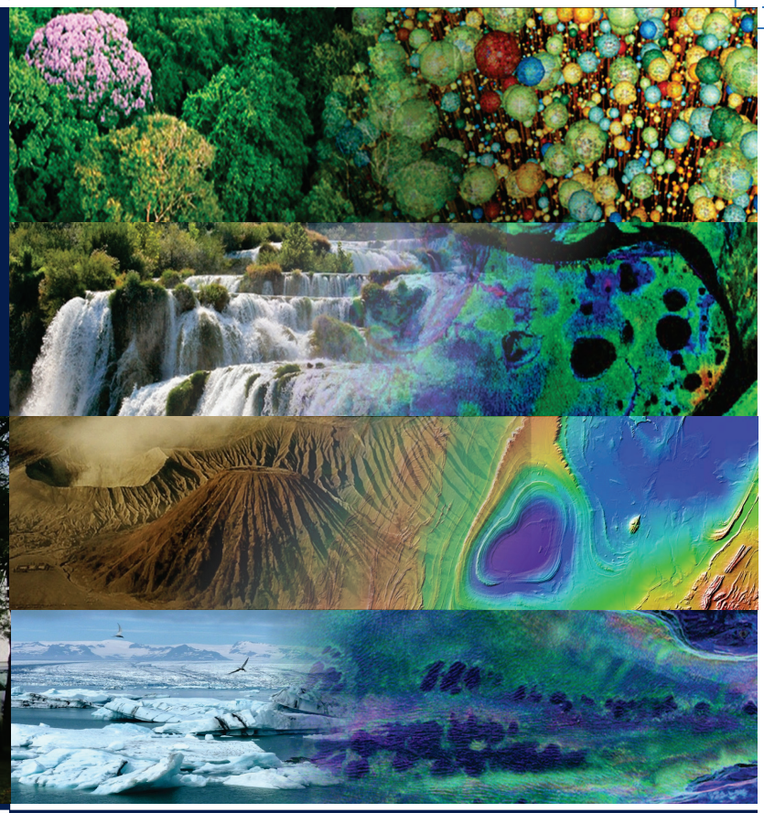


The workshop will be hosted by the Microwaves & Radar Institute at the German Aerospace Center (DLR) in Oberpfaffenhofen nearby Munich

German Aerospace Center - DLR
Microwave and Radar Institute
Münchener Straße 20
82234 Weßling
Germany



Announcements and Call for Abstracts

Abstract submission opening	July 2018
Abstract submission closure	7 September 2018
Notification of acceptance	October 2018
Registration opening	July 2018
Issue of preliminary programme	October 2018
Issue of final programme	at the workshop
Workshop dates	13–15 November 2018

REGISTRATION AND ABSTRACT SUBMISSION

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

http://biogeosar.esa.int

CONTACT POINTS & LOGISTICS

Workshop organising committee:

Björn Rommen (ESA)
Konstantinos Papathanassiou (DLR)
Sandra Reigber (DLR)

Workshop Logistics:

Overall logistics (e.g., venue, recommended hotels) will be included on the workshop website by September.

Website:

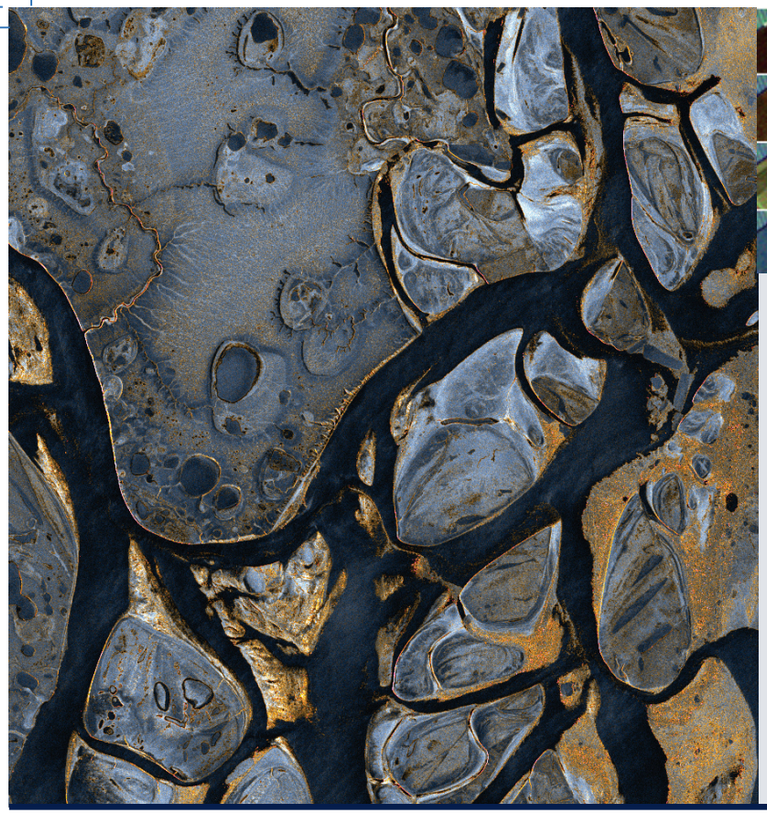
http://biogeosar.esa.int

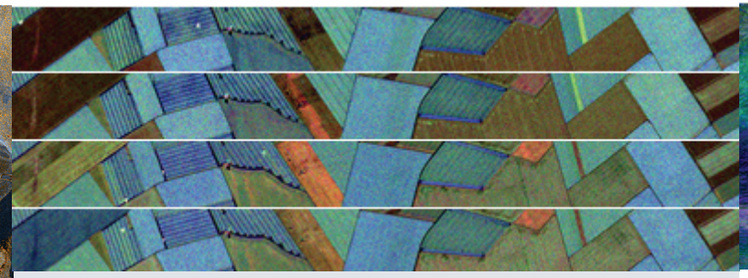
esa

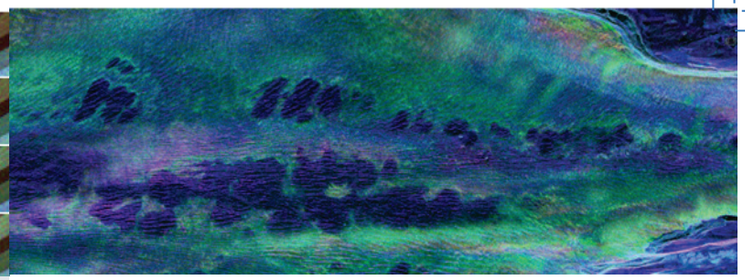
DLR

7th International Workshop on Retrieval of Bio- & Geophysical Parameters from SAR Data for Land Applications

DLR Oberpfaffenhofen, Germany
13-15 November 2018







SEED QUESTIONS

In order to trigger the discussion at the workshop and to provide some guidance to authors, the following seed questions have been prepared:

- For the development of new and/or the improvement of existing products based on bio-/geo-physical parameters retrieved from SAR data:
  - What is the impact of multi-temporal acquisitions? What temporal resolutions (i.e. revisit times) are required?
  - What is the importance of combining measurements at different frequencies? What is the added value of simultaneous multi-frequency acquisitions?
  - How important are repeat-pass interferometric observables?
  - How critical are quad- / dual-polarimetric measurements?
- What are the SAR applications that have an unquestionable added value with respect to other non-SAR techniques? Which new applications are suitable for commercialisation?
- What is the importance of Ku- and Ka-band SAR measurements for the development/improvement of applications? Which applications have the potential to profit the most?
- What are potential new bio- and geophysical products that can be derived from either tomographic SAR measurements or through exploiting multi-static SAR geometries?
- What applications would mostly profit from a combined use of space-borne optical remote sensing data with SAR data? What is the complementary nature of such a combination?
- To what extent are new machine learning algorithms able to complement EM modelling and inversion practices?

PARTICIPATION

The workshop is open to scientists, students, representatives from national, European and international space agencies and value adding industries.

ORGANISATION

The workshop is organised around oral presentations selected by the scientific committee, invited overview presentations, round table discussions with seed questions and summary sessions.

BACKGROUND & SCIENTIFIC PROGRAM

Stimulated by the launch of ESA's ERS-1/2 satellites and by the onset of data from airborne and space shuttle SAR missions, a series of workshops was initiated in the late 1990s to examine the state of the art and promote the development of SAR land applications that rely on the extraction of bio- & geophysical parameters. Six workshops were undertaken jointly between ESA and the scientific community at locations including ESTEC, Sheffield, Innsbruck, Bari and Harwell, linking the modelling and experimental communities and helping to stimulate ideas that have subsequently led to mission proposals such as BIOMASS, Tandem-L, etc. The program follows a similar setup as the earlier editions of the workshop. As such, contributions will be invited covering the following main themes:

- **Land-use and classification;**
- **Agriculture;**
- **Soil and hydrology;**
- **Forestry;**
- **Ice and snow.**

LANGUAGE AND FEES

The official language of the workshop is English.
No participation fees will be charged. Participants are expected to finance their own travel & accommodation expenses.

TUTORIALS

The workshop will offer full-day tutorial courses. The tutorial courses will be held on Monday, the **12th of November 2018** at the conference site and will include principles and basic theory, overview of applications and sensor systems.
The tutorials are addressed at all workshop participants who are interested in these topics, with minor and advanced technical knowledge on the particular field. No participation fees will be charged.
The tutorial topics and summaries will be announced on the workshop website (http://biogeosar.esa.int).