



ECSAT, Oxfordshire, UK

17-19th November 2015

The workshop will address the use of SAR data for land use, classification and change detection and will cover applications in the fields of agriculture, forestry, soil moisture, hydrology and snow

From the SAR data exploitation perspective, the workshop will also work towards defining needs for auxiliary data products from either other remote sensing satellites or ground-based networks and systems including climate and forecast models.

The workshop will be hosted in The Roy Gibson Building at ESA's facility in the UK, the European Centre for Space Applications and Telecommunications (ECSAT).



Announcement and
Call for Abstracts

**6th International
Workshop on Retrieval
of Bio- & Geo-physical
Parameters from SAR
Data for Land
Applications**

– BRIDGING THE GAP FROM RESEARCH TO OPERATIONS –

SINGLE PAGE ABSTRACTS

DUE BY 8TH SEPTEMBER

SUBMIT ABSTRACT AT:

[HTTP://BIOGEOSAR.ESA.INT](http://biogeosar.esa.int)

Stimulated by the launch of ESA's ERS-1 & -2 satellites and by the onset of data from multi-frequency airborne and space shuttle SARs (notably the JPL AIRSAR and the NASA/DLR SIR-C/X-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- and geo-physical parameters. Five workshops were undertaken jointly between ESA and the scientific community at locations including ESTEC, Sheffield, Innsbruck & Bari, linking the modelling and experimental communities and helping to stimulate ideas that have subsequently led to mission proposals such as Biomass and CoreH2O.

Today, we have a greatly expanded set of systems in space, offering SAR data at a range of wavelengths, polarisations, spatial resolutions, and repeat cycles. There is an ever greater need to establish a clear scientific basis for techniques and algorithms that can offer an expanded applications set from these and future missions such as NovaSAR. It is therefore very timely to hold a 2015 Workshop on Retrievals of Bio- and Geo-physical Parameters from SAR for Land Applications, located at the applications hub of Harwell that seeks to link with, learn from and give direction to the research community in support of such applications.



2015 Workshop

The workshop will include Round Table discussions in support of defining a global strategy to develop robust and operational applications that address real-life topics for society.



Participants will be invited to contribute papers/presentations with their answer and views on the current status of applications using SAR data as well as the foreseen evolution required to enable or maintain robust applications.



<http://biogeosar.esa.int>

