

DEADLINES

Invited Session Proposals	4 September 2015
Call for Papers	30 October 2015
Registration	15 February 2016
Notification of Acceptance	20 December 2015
Preliminary Programme	15 January 2016
Full Paper Submission	12 February 2016

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 and accommodation expenses.

ORGANISATION

The conference will offer several session formats:

- Oral presentations in Regular Sessions
- Oral presentations in Invited Sessions
- Demo / poster / exhibition sessions to allow industry, open source projects, and researchers to interact with the conference participants.

REGISTRATION AND ABSTRACT SUBMISSION

We invite to submit two-page abstracts for Regular and Poster Sessions. For Invited Sessions, we invite to submit a proposal explaining objectives and topics of the session, and the list of planned talks. All submissions will be peer reviewed by the Programme Committee. Further information and guidelines regarding the abstracts submission and registration can be found at:

<http://congrexprojects.com/bids16>



Auditorio de Tenerife | Santa Cruz de Tenerife, Spain

CONFERENCE REGISTRATION

ESA Conference Bureau

esa.conference.bureau@esa.int

Phone: +39 06 94180 912



→ 2016 CONFERENCE ON BIG DATA FROM SPACE – BiDS'16

Research, Technology and Innovation

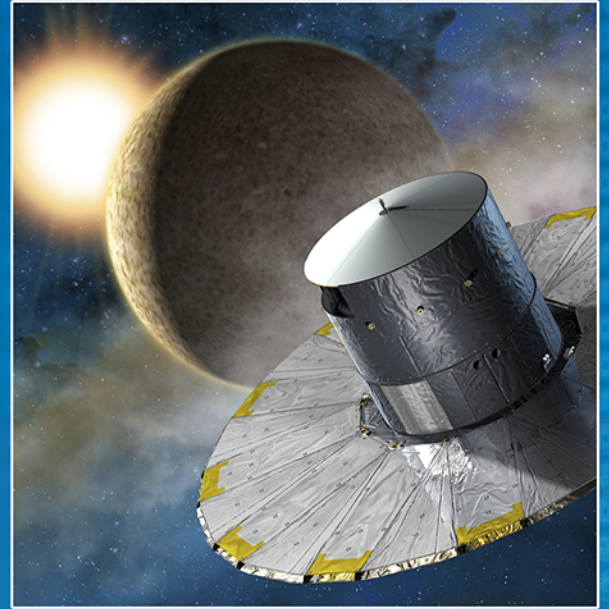
Call for papers and participation

15–17 March 2016 | Auditorio de Tenerife | Santa Cruz de Tenerife, Spain

BACKGROUND

Big Data from Space refers to the massive spatio-temporal Earth and Space observation data collected by space-borne and ground-based sensors. This emerging domain is currently facing sharp increase - fortunately paralleled by tremendous amount of new developments and breakthroughs software developments, such as multi-temporal data analysis, data management and information extraction technologies. In addition, the recent multiplication of open access initiatives to Big Data from Space is giving momentum to the field by widening substantially the spectrum of users as well as awareness among the public while offering new opportunities for scientists and value-added companies.

The objective of the Big Data from Space conferences is to bring together researchers, engineers and users working in the area of Big Data from Space. The 2016 Big Data from Space conference (BiDS'16), is jointly organised by the European Space Agency (ESA), the Joint Research Centre (JRC) of the European Commission, and the European Union Satellite Centre (SatCen), in collaboration with the Instituto de Astrofísica de Canarias (IAC). It follows the success of BiDS'14 organised by the same institutions and the seminal big data from space event organised by ESA in 2013.



THEMES

We invite contributions to the Big Data from Space Conference on all the aspects related to data volume, velocity, variety, veracity and value. The themes addressed by the Conference include (but are not limited to):

1 | DATA LIFECYCLE

- a) Processing and Analysis
- b) Visualization and Visual Analytics
- c) Multi-temporal Analysis
- d) Onboard Computing, Compression and Transmission
- e) Quality, Provenance and Trust

2 | INFRASTRUCTURES AND SERVICES FOR BIG DATA

- a) Storage and computing platforms
- b) Interoperability and Standards
- c) Heterogeneous Data Sources
- d) Linked Data and Semantics
- e) Data Openness, Privacy and Security
- f) Software Defined Networking
- g) User Management and Access to Resources

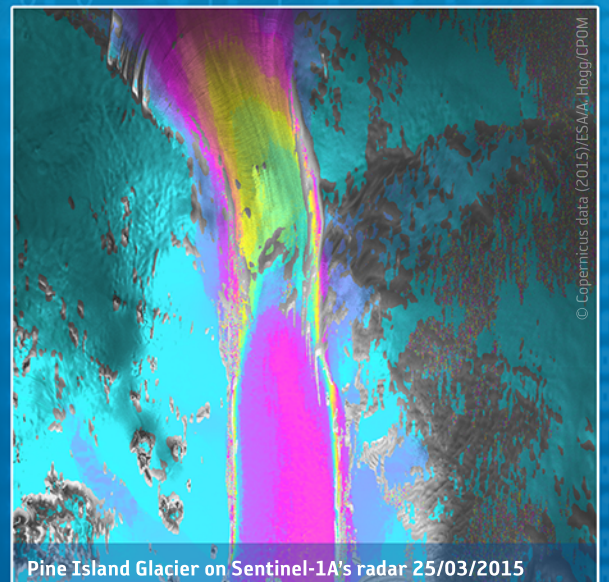
3 | BIG DATA SCENARIOS

- a) Space Science
- b) Earth Observation
- c) Space and Security
- d) Big Data Exploitation

OBJECTIVES

The main objectives of Big Data from Space Conference are:

1. Identify priorities for research, technology development and innovation;
2. Widen competences and expertise of universities, research institutes, labs, SMEs and industrial actors;
3. Foster networking of experts and users towards better access and sharing of data, tools and resources;
4. Leverage innovation, spin-in and spin-off of technologies, and business development arising from research and industry progress;
5. Increase and promote the value stemming from the exponentially increasing space data flows;
6. Contribute to the EO innovation for Europe, as one of the main pillars for the Ground Segment evolution strategy.



Pine Island Glacier on Sentinel-1A's radar 25/03/2015