



**SAR INTER-COMPARISON EXPERIMENT**

**DATA STACKS** are ready for Activity 1 of Crop Type Identification & Mapping; emails will be coming to those participating Partners for next steps. Don't forget the special session at IGARSS 2018 in Valencia on July 25<sup>th</sup>! 2018 image acquisitions are underway – read about the types of data we are simulating from those acquisitions!

## EXPERIMENT PROCESSING

The stacks of preprocessed SAR and optical imagery are now complete for Activity 1: Applying Operational SAR and Optical Classification Methodologies to Multiple Regions.

For those JECAM partners who indicated they will apply their classification methodologies to other partners' data we will be sending you an email with instructions on how to access the stacks. This access will be staggered across the next few weeks to ensure the large amount of data to be transferred quickly and efficiently via our secure FTP site.

You will also be provided with instructions on how to proceed with the comparative portion of Activity 1. For example, which data stack to run; how the field data is parsed into training and validation data and how to report your findings back to Laura to be included in the statistical comparison paper of the various methods across the sites. We are very excited to be moving forward on this part of the experiment!

### NISAR Science Meeting

Washington, DC, June 2018

Heather attended the science meeting for the upcoming NASA-ISRO SAR Mission (NISAR) L- and S- band satellite that is expected to launch in 2020-21.

Heather provided an overview on JECAM and there was keen interest in the JECAM network for future endeavours. Stay tuned!



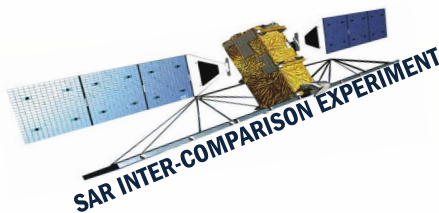
Attendees of the NISAR Science Meeting – June 2018, Washington, DC.

## JECAM Annual Meeting - September 2018

The *Earth Observation Technologies for Crop Monitoring: A Workshop to Promote Collaborations among JECAM/Asia-RICE* will be held September 17 – 20 in Taichung City, Taiwan.

The meeting will focus on the broad GEOGLAM research agenda, with a special focus on rice monitoring, and a concerted effort to share science between JECAM and Asia-RICE.

The meeting will also develop a GEOGLAM Research Agenda for the next 5+ years that will improve operational monitoring for food security and market. It will be used to construct the research framework that will drive the evolution of GEOGLAM towards more quantitative metrics on essential agricultural variables and prepare the community for its contribution to the emerging priorities of SDG's, Paris Accord, and Sendai. Watch for upcoming emails regarding this meeting.



## 2018 Field Data Collection

**DON'T FORGET!** RADARSAT-2 quad polarization data are being collected for 2018. We will be simulating ~40 Compact Polarimetry polarimetric parameters for those sites where R2 data are being acquired. Similar to Activity 1, these images will be released to those countries participating in this portion of the Experiment.

The data simulation and field data collection are an integral part of the next phase of the JECAM SAR Inter-Comparison Experiment! Your commitment to field data collection for Crop Surveys and/or LAI & Biomass is key!

If you have any questions about the next phase of the experiment please contact Laura or Mehdi.

## EVENTS

### Past

#### **April 2018**

Workshop on Data and Systems Requirements for Operational Agricultural Monitoring - GEOGLAM  
Ispra, Italy  
Andrew attended

#### **May/June 2018**

International Coordination for Spaceborne Synthetic Aperture Radar Data Acquisition, Processing and Analysis for Earth Science and Applications  
Pasadena, California  
Heather attended

#### **June 2018**

NISAR Science Team Meeting  
Washington, DC  
Heather attended

### Upcoming

#### **July 2018**

IGARSS 2018  
Valencia, Spain  
Heather and Mehdi attending

#### **September 2018**

*Earth Observation Technologies for Crop Monitoring: A Workshop to Promote Collaborations among JECAM/Asia-RiCE*  
Taichung City, Taiwan  
Andrew attending

#### **December 2018**

AGU 2018  
Washington, DC  
Laura attending



## IGARSS 2018, Technology-Industry-Education (TIE) Forum

**Wednesday July 25, 2018**

**16:50 – 18:30**

We welcome you to a special event during the 2018 International Geoscience and Remote Sensing Symposium (IGARSS 2018).

16:50	Overview: JECAM and SAR Inter-Comparison Experiment, Mehdi Hosseini, co-lead, Ottawa, Canada
17:10	Partner 1: Katarzyna Dabrowska-Zielinska, Head of Remote Sensing Center Institute of Geodesy and Cartography, Warszawa, Poland
17:20	Partner 2: Dipankar Mandal & Avik Bhattacharya, Indian Institute of Technology Bombay, Centre of Studies in Resources Engineering (CSRE), Mumbai, India
17:30	Partner 3: Anna Balenzano, Italian National Research Council, Apulian Tavolieri, Italy
17:40	Partner 4: Gérard Dedieu, Venµs co-PI, Centre d'Etudes Spatiales de la Biosphère (CESBIO), Toulouse, France
17:50	Spontaneous Lightning Partner Talk(s)
18:00	Moderated Discussion, Heather McNairn, co-Principal Investigator, Ottawa, Canada