



SAR INTER-COMPARISON EXPERIMENT

Welcome to 2018! There is a lot happening with the Experiment this month including finalizing processing techniques for the data stacks for Activity 1, preparation for upcoming data collections for 2018 and a re-vamp of the www.jecam.org website.

Launching 2018 Data Collection!

As part of the JECAM SAR Inter-Comparison Experiment we will be looking to simulate Compact Polarimetry data through the acquisition and prioritization of fine quad-polarization data to be acquired in 2018.

To ensure a robust data set and successful experiment, we are looking to our partners to confirm intent for field data acquisition during the upcoming months. This may be through crop surveying and/or through acquisition of field measurements such as Biomass, LAI, soil moisture etc.

Please email Laura.Dingle-Robertson@agr.gc.ca if you are collecting field data in 2018 and are interested in this next phase!



Hernán Aguilera (pictured) and Dr. Stanley Best of Instituto de Investigaciones Agropecuarias (INIA) demonstrate drone data collection over a blueberry field in the Chilean JECAM site.

EVENTS

Past
September 2017
 SPIE. Remote Sensing
 Warsaw, Poland
 Mehdi Presented

December 2017
 APEC Meeting 2017
 Santiago, Chile,
 Heather attended
 AGU 2017, New Orleans
 Laura attended

Upcoming
January 2018
 Launch of data collection
 for both Components

February 2018
 Emerging Technologies
 and Methods in Earth
 Observation for Agricultural
 Monitoring
 Washington, DC
 Heather, Laura, and Andrew
 attending

CURRENT EXPERIMENT PROCESSING

SAR speckle filter testing on filter type and window size in relation to field size is almost complete.

We are finalizing results by assessing classification accuracies only utilizing SAR imagery. Typically AAFC's classifier incorporates both SAR and optical data, however we feel to fully assess the benefits of the different filters we need to compare the classifications without the Optical influence.



www.jecam.org

We are in the process of updating the JECAM website to add more functionality and ease for our JECAM partners. This will include the ability to enter your site information directly online and keep the site up-to-date with your most recent activities.

Watch the Newsletter for further exciting details on the new www.jecam.org !

CONTACTS: LAURA.DINGLE-ROBERTSON@AGR.GC.CA
MEHDI.HOSSEINI@CARLETON.CA