Component 1, Activities 1a, 1b & 2, and Component 2, Activity1 are closed OCTOBER 15th 2017! We will send a new Participation Form in January 2018 for interest in Activity 2 for both Components! Thank you for your interest!

Presentation at SPIE 2017



(From left: Medhi Hosseini, AAFC, and Katarzyna Dabrowska-Zielinska, Poland.)

Medhi Hosseini presented his work on the Water-Cloud Model at SPIE 2017 in Warsaw, Poland, While he was there he met with the JECAM Poland lead Katarzyna Dabrowska-Zielinska, head of the Remote Sensing Center, Institute of Geodesy and Cartography, Poland.

PARTICIPANTS

Component 1, Activities 1a, 1b & 2,

Argentina, Belgium, Brazil -Tocantins, Canada, France, India, Italy, Poland, Ukraine, USA-Georgia, USA-Iowa and USA-North Dakota!

Component 2, Activity 1

Canada, India, Italy, Poland, Taiwan, Ukraine, USA-Georgia, USA-lowa and **USA-North** Dakota!

EXPERIMENT PROCESSING

EO Data Processing: We are re-processing the Sentinel 1, Landsat 8, Sentinel 2 and Radarsat-2 data for those files that failed our QC phase.

Field Data Processing: We continue to refine the field data received from the partners to create the most consistent in situ data sets

EVENTS

Past August 3, 2017

LAI & Biomass Webinar #2

September 2017

SPIE. Remote Sensing Warsaw, Poland Mehdi Presented

Upcoming December 2017 JECAM site visits

December 2017

AGU 2017, New Orleans Laura attending

January 2018

1st Annual Report to CSA and **JECAM Partners**

LAI & Biomass Model Testing Update

We will be testing 4 LAI and Biomass models utilizing the data that has been uploaded, and the EO data that has been acquired and pre-processed.

3 variations of the Water -Cloud Model Canada

Hosseini, M., McNairn, H., Merzouki, A., and Pacheco, A. (2015). "Estimation of Leaf Area Index (LAI) in corn and soybeans using multi-polarization C- and L-band radar data.", Remote Sensing of Environment, 170, pp. 77-89.

Belgium

Beriaux E., Lambot S., and Defourny P. (2011), "Estimating surface-soil moisture for retrieving maize leaf-area index from SAR data.", Can. J. Remote Sensing, 37, pp. 136-150.

Poland

Dabrowska-Zielinska K., Inoue Y., Kowalik W., Gruszczynska M. (2007). "Inferring the effect of plant and soil variables on C- and L-band SAR backscatter over agriculture fields based on model analysis.", Advances in Space Research, 39, pp. 139-148

Italy

Method: Band Ratios

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