AGU 2017 in New Orleans was a great success. Laura introduced the Experiment in the GEOGLAM poster session and was able to meet with several JECAM partners. Heather made some good connections at the APEC Meeting in Santiago, Chile with some potential new partners.

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
1st Annual Report to CSA and JECAM Partners
Launch of Activity 2 for both Components

February 2018
Emerging Technologies and Methods in Earth Observation for Agricultural Monitoring (A joint workshop sponsored by AAFC, USDA, EOFSAC, NATCAS)
Heather, Laura, and Andrew attending

EXPERIMENT PROCESSING
AAFC Crop Inventory operational processing currently utilizes a Gamma Map speckle filter with a window size of 7 x 7. Because of the wide variety of field sizes across the JECAM partner sites, SAR speckle filter testing on filter type and window size in relation to field size is in progress.
We selected three test sites and three generalized crops types of corn, soybean, wheat/no wheat/double crop. Field sizes range from small (~3 ha) to large (~60 ha).

Canada Casselman: small field size (~3 ha)
Argentina: medium field size (~25ha)
USA Iowa: large field size (~30-60 ha)

Filters: Gamma Map (current operational filter), Multi-Temporal (Quegan et al., 2000) and Touzi (Touzi, 2002) with multiple window sizes and passes. Initial results indicate there may be a slight importance to window size in relation to field size.

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