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## פרופ' ארנון קרניאלי

המעבדה לחישה מרחוק  
המכונים לחקר המדבר ע"ש יעקב בלאושטיין  
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<http://www.bgu.ac.il/BIDR/research/phys/remote>

*Science from Above*

April 15, 2019

Dear colleagues,

### Re: VEN $\mu$ S periodic news – 15 April 2019

#### 1. New processing

The production of the L2/L3 in 5 m resolution is postponed to May in order to update the MACCS-ATCOR Joint Algorithm (MAJA) with some improvement in the multitemporal cloud detection. In this regard, the website will be updated as soon as possible with the L2/L3 products of April.

#### 2. MAJA – waiting for your feedback

MAJA developer, Olivier Hagolle, is seeking for the MAJA's L2 data quality. Please send your feedback to [Olivier.Hagolle@cnes.fr](mailto:Olivier.Hagolle@cnes.fr) and [venus@post.bgu.ac.il](mailto:venus@post.bgu.ac.il). More information about MAJA exists at <http://www.cesbio.ups-tlse.fr/multitemp/?p=6203>.

#### 3. New VEN $\mu$ S sites

The equisition of the international sites that were requested by Israeli scientists has started as planned. Images are ready to download from the CNES website at <http://www.theia-land.fr/en/products/venus>. If anybody has experienced any difficulty, please notify [venus@post.bgu.ac.il](mailto:venus@post.bgu.ac.il).

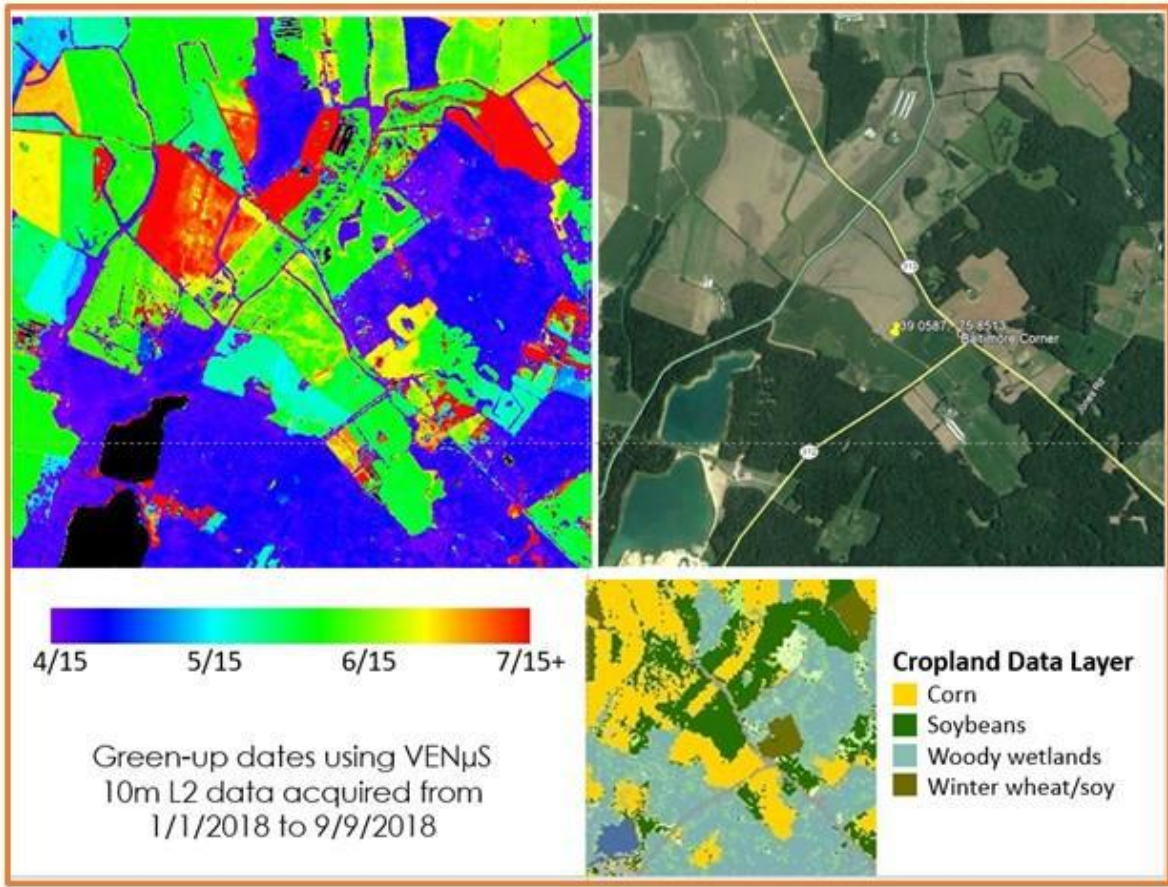
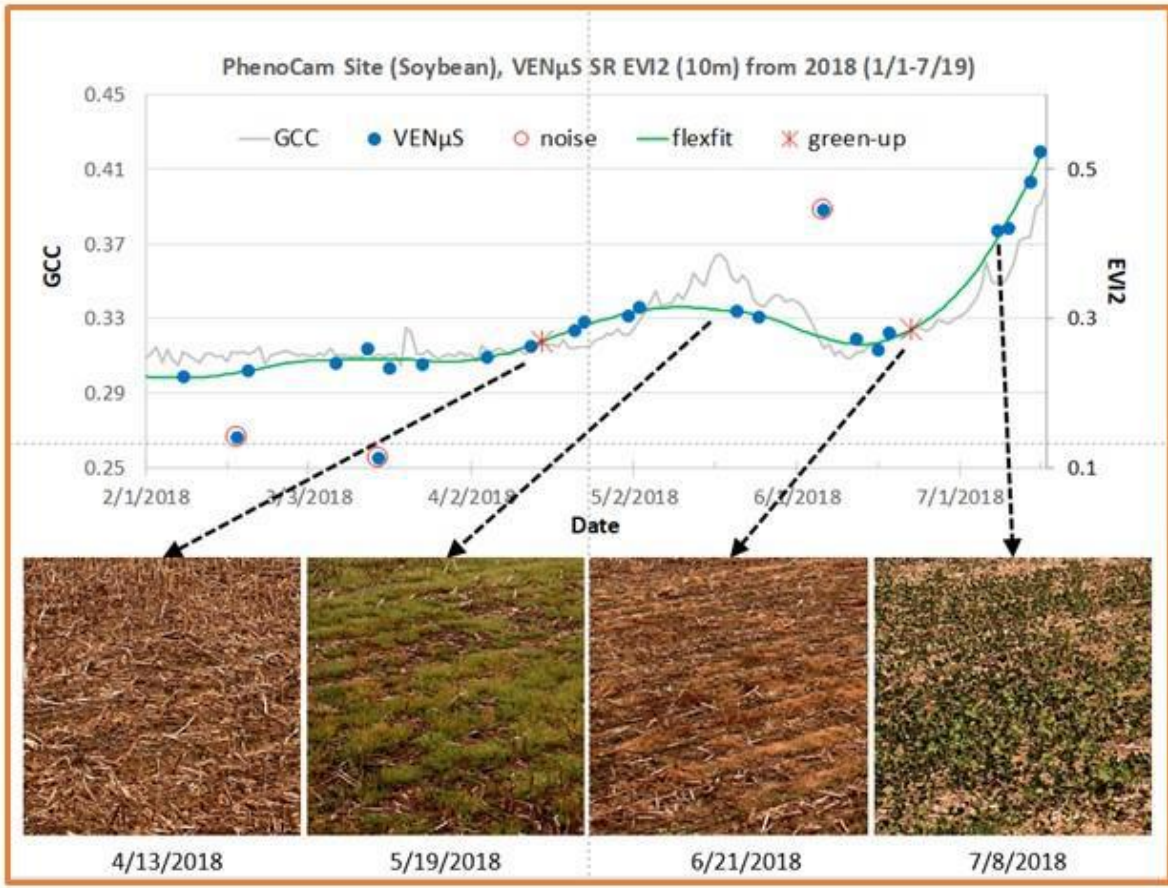
#### 4. Feature study using VEN $\mu$ S

##### **Monitoring Crop Conditions and Water Use using VEN $\mu$ S Data**

*Feng Gao, Bill Kustas, Martha Anderson, Joseph Alfieri, Craig Daughtry*

This project seeks to achieve two overarching goals over the Choptank site, Maryland, USA in the attempt of monitoring crop growth conditions and water use by utilizing the high spatial and temporal resolution of VEN $\mu$ S data. This project builds on the team's considerable experience with remote sensing data products, data fusion approaches, land surface modeling and multi-scale field validation. The project is supported by the U.S. Department of Agriculture (USDA) and the National Aeronautics and Space Administration (NASA).

The slides below are part of Martha Anderson's presentation in the Land Cover Land Use meeting, entitled: "Characterizing field-scale water use, phenology, in Agriculture Landscape". The meeting was held in Rockville, Maryland, on Apr. 9-11, 2019. Slides show the mapping of crop emergence using VEN $\mu$ S imagery.



5. Deadline is close for the 4th COSPAR Symposium

The 4th COSPAR Symposium on “Small satellites for sustainable Science and Development” will be held on November 4-8, 2019, at Hotel Daniel, Herzliya, Israel.

Sessions will be devoted to “Scientific results of the VEN $\mu$ S Earth observation mission”. Abstract submission is now open with a deadline on April 30, 2019.

The Call for Abstracts was released in the December issue of Space Research Today and is available on the Symposium web site: <http://www.cospar2019.org/>



Space Research - The Fourth COSPAR Symposium  
November 4-8, 2019 | Herzliya, Israel [View Online](#)

The Fourth  
**COSPAR Symposium**  
Small Satellites for Sustainable Science and Development

November 4 - 8, 2019 | Daniel Hotel, Herzliya, Israel

## Call for Papers

“Small Satellites for Sustainable Science and Development”

**Final deadline for abstract submission: April 30, 2019**

[Submit Your Abstract](#)

COSPAR recently initiated a new series of scientific meetings, the Symposia, aimed at promoting space research at a regional level and to be organized in countries with medium or small size space infrastructures.

The upcoming 4th COSPAR Symposium will be held in Israel, on 4-8 November 2019, and will address the broad topic of “Small satellites for sustainable Science and Development”. It will feature plenary lectures as well as parallel sessions and poster sessions.

In parallel to the Symposium, there will be a teacher training event with talks and hands-on activities for local school teachers. A COSPAR Capacity Building Workshop on “Small Satellites” will take place during the week preceding the Symposium. Participants will be young professionals and post-docs from Southern Europe, North Africa and the Middle-East and will be selected by application.

Hag Sameach!

Manuel and Arnon

