



# Introductory Webinar: Satellite Remote Sensing for Agricultural Applications

April 14, 21, 28 & May 5, 2020

10:00-11:30 and 16:00-17:30 EDT (UTC-4)

This training will address how to use remote sensing data for agriculture monitoring, specifically drought and crop monitoring. The webinar will also provide end-users the ability to evaluate which regions of the world agricultural productivity is above or below long-term trends. This informs decisions pertaining to market stability and humanitarian relief.

## Part 1: Overview of Agricultural Remote Sensing

This section will cover the ARSET program and give a general overview of remote sensing as it pertains to agriculture. This part will include the history of Earth observations (EO) for agriculture, satellites and sensors that can be used, the limitations of satellite data, an introduction of NASA HARVEST, examples of current EO applications in agriculture, and a Q&A session.

## Part 2: Soil Moisture for Agricultural Applications

This part of the training provides an overview of SMAP and case studies for agricultural applications and an overview of soil moisture and shallow ground water from the Land Data Assimilation System (LDAS), as well as a Q&A session.

## Part 3: Earth Observations for Agricultural Monitoring

This section will cover previous ARSET trainings that relate to agricultural monitoring and present case studies of EO being used for agricultural monitoring. There will also be a Q&A session.

## Part 4: Evapotranspiration (ET) & Evaporative Stress Index (ESI) for Agricultural Applications

This section includes a presentation from guest speaker Dr. Christopher Hain, along with an overview and case studies of ET and ESI in agricultural applications. This section will conclude with a Q&A session.



ARSET empowers the global  
community through remote  
sensing training.

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