

Advanced Webinar: Remote Sensing of Drought

Wednesdays, July 12 – 19, 2017
12:00 – 2:00 p.m. or 9:00 – 11:00 p.m. EDT (UTC-4)

Prolonged drought can result in economic, environmental, and health-related impacts. In this webinar, participants will learn how to monitor drought conditions and assess impacts on the ecosystem using precipitation, soil moisture, and vegetation data. The training will provide an overview of drought classification, as well as an introduction to web-based tools for drought monitoring and visualization. Lectures will be followed by hands-on demonstrations of data access and visualization.

Remote Sensing-Based Drought Monitoring

July 12, 2017

This session will include an overview of drought classification, an introduction to web-based drought monitoring tools, a demonstration of drought data visualization tools, and end with an exercise for attendees to practice downloading data.

Drought Monitoring Analysis and Application

July 19, 2017

This session will include a demonstration of soil moisture, groundwater, NDVI, and evapotranspiration (ET) data access and visualization, and will use a case study (California) exercise to demonstrate how participants can analyze drought conditions. Background will also be provided for a case study (northern Africa) to be used by participants to independently conduct their own analysis.