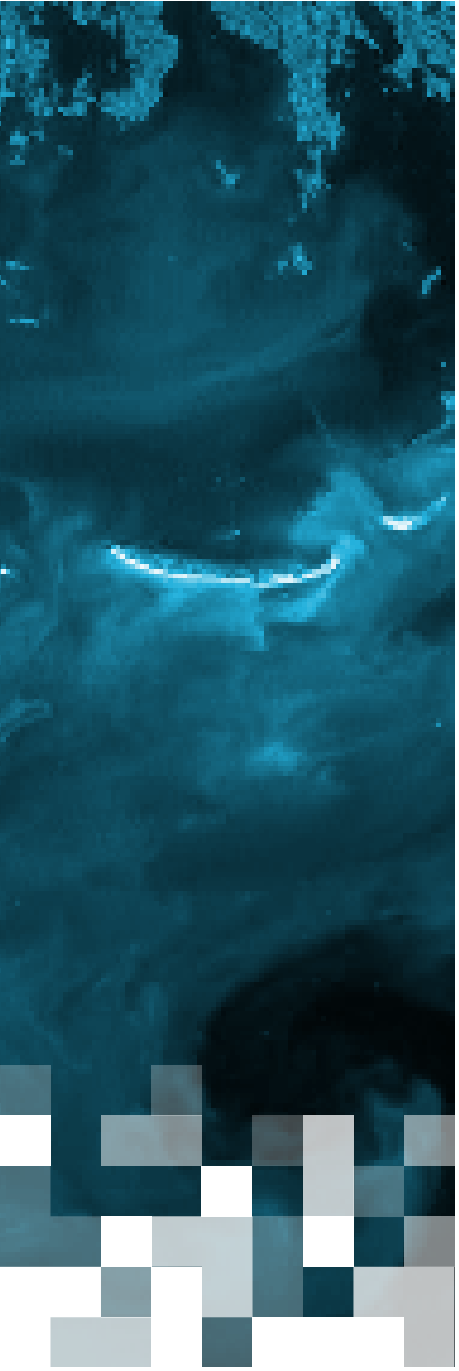


Remote Sensing Training for Water Resource Management

In person and online trainings focus on accessing, interpreting, and processing NASA Earth Observation data for a variety of water availability and quality parameters. Topics include rainfall, soil moisture, evapotranspiration, groundwater, harmful algal blooms, and water temperature.

After Water Resources Fundamentals, any Introductory and Advanced Series can be taken dependent upon topic and interest.

1. **Fundamentals Session 2B: Satellites, Sensors, and Earth Systems Models for Water Resources Management**

2. **Introductory**

Water Resource Management Using NASA Earth Science Data

Introduction to Global Precipitation Measurement (GPM) Data and Applications

Applications of Remote Sensing to Soil Moisture and Evapotranspiration

Introduction to Remote Sensing of Harmful Algal Blooms

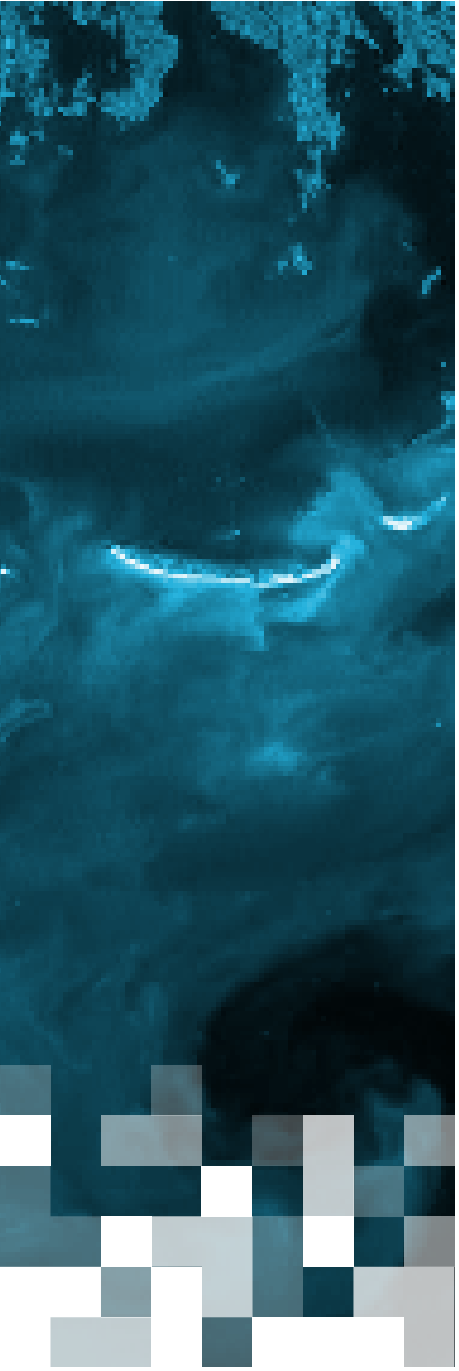
Introduction to Using the VIC Hydrologic Model with NASA Earth Observations

Introductory Webinar: Using Earth Observations to Monitor Water Budgets for River Basin Management

Introductory Webinar: River Basin Delineation Based on NASA Digital Elevation Data

Introductory Webinar: Satellite Remote Sensing for Agricultural Applications

Groundwater Monitoring using Observations from NASA's Gravity Recovery and Climate Experiment (GRACE) Missions



Remote Sensing Training for Water Resource Management

3. Advanced

Advanced Webinar: Remote Sensing of Drought

Advanced Webinar: Processing Satellite Imagery for Monitoring Water Quality

Advanced Webinar: Integrating Remote Sensing into a Water Quality Monitoring Program

Advanced Webinar: Applications of GPM IMERG Reanalysis for Assessing Extreme Dry and Wet Periods

Advanced Webinar: Using Earth Observations to Monitor Water Budgets for River Basin Management II