



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

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](#)

[Mapping and Monitoring Lakes and Reservoirs with Satellite Observations](#)





Remote Sensing Training for Water Resource Management

Intermediate

[Monitoring Coastal and Estuarine Water Quality: Transitioning from MODIS to VIIRS](#)

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](#)

[Advanced Webinar: Monitoring Coastal and Estuarine Water Quality Using Remote Sensing and In Situ Data](#)

