

Short Course on Water Quality Monitoring Using NASA Remote Sensing Observations

May 5, 2016

8:30 a.m. – 12:00 p.m.

National Water Quality Monitoring Conference, Tampa, FL

As part of the National Water Quality Monitoring Conference, ARSET will offer an introductory in-person workshop. It will provide an overview of NASA remote sensing observations relevant for monitoring water quality in coastal oceans, estuaries, and lakes, and will provide hands-on experience in access, interpretation and applications of the remote sensing data with the aid of specific case studies.

8:30-8:40 a.m.

Introduction to ARSET

8:40-9:15 a.m.

Presentation: Overview of NASA Remote Sensing Data & Data Access Tools Relevant for Water Quality Monitoring

9:15-10:00 a.m.

Hands-on Exercise: Using NASA Web Tools

- Learn to use SeaDAS and Giovanni: Selection, Visualization, and Downloading Water Quality Data
- Analysis of Near Real-Time and Past Chlorophyll-a Concentration in the Great Lakes and Gulf of Mexico

10:30-11:45 a.m.

Hands-on Exercise

- Learn to Access and Interpret Landsat Imagery for Water Quality Monitoring

11:45 a.m. – 12:00 p.m.

Course Summary and Question & Answer