Introduction to NASA Remote Sensing Data for Water Resources Management

NASA Applied Remote Sensing Training Program (ARSET)
http://water.gsfc.nasa.gov
Webinar Dates: October 17 – November 14, 2013
Every Thursday, 5 webinars: one hour per week

Registration: *Course is free but you must register. Please register for one session only. Space is limited. You will be notified by email if your registration has been approved.*

Agenda:

Week 1: Overview of NASA Remote Sensing and Earth Systems Modeling Data for Water Resources Management
> *Course Introduction*
> *Fundamentals of Remote Sensing*
> *Introduction to Atmosphere-Land Models*
> *Strengths and Limitations of Remote Sensing and Model-based Data*

Week 2: Overview of Precipitation, Run Off
> *Satellites, Sensors, and Models for these Data*
> *Examples of Data Applications:* Extreme Precipitation and Flood Monitoring

Week 3: Overview of Soil Moisture, Evapotranspiration
> *Satellites, Sensors, and Models for these Data*
> *Examples of Data Applications:* Irrigation Management, Agricultural Mapping, Drought Monitoring

Week 4: Overview of Reservoir Water Height, Ground Water
> *Satellites, Sensors, and Models for these Data*
> *Examples of Data Applications:* Reservoir and Lake Height Monitoring, Drought Monitoring, Terrestrial Water Sustainability

Week 5: Overview of Web-tools for Data Access and Imaging (with live demos)
> Spatial and Temporal Selection of Data, Access to Digital Data
> Data Mapping, Importing Data into GIS