

AmericaView – A State-Based Remote Sensing Initiative Developing Remote Sensing Applications through Education, Training, Internships, and Pilot Projects

TRAINING INITIATIVES INTEGRATING GEOSPATIAL TECHNOLOGIES WITH LOCAL ISSUES



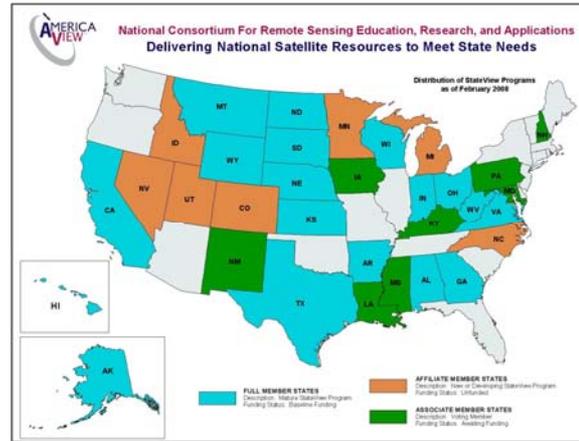
Virginia Geospatial Extension Program and VirginiaView team up for the Virginia Extension Agent GIS Program Introductory Workshop held on to train twenty-four extension agents and natural resource managers.

IDENTIFY TARGET AUDIENCE

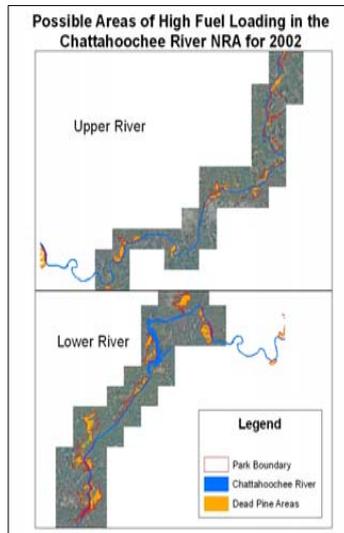
- State government agencies
- County governments
- Local governments
- Federal government agencies
- Universities and Colleges
- Community Colleges
- Technical Schools
- K-12 School Districts
- Non-profit organizations

AmericaView (AV) is a nationwide program administered through a partnership between the USGS and the AmericaViewSM Consortium. AV was created to:

- Advance the availability, timely distribution, widespread use of land remote sensing data
- Focus on helping the university, secondary-education, and public sectors in each state identify, develop, and distribute the kinds of remote sensing applications each state needs.
- Establish a network of university-led, state-based consortia working to build a nationwide network of state and local users.

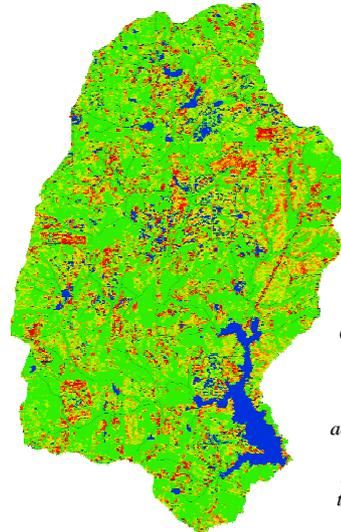


Mapping Invasive Kudzu Vine, Pine Forest Death, and Fire Fuel Loading in Chattahoochee River National Recreation Area, Georgia



GeorgiaView interns used the images to identify where the dead pine stands are located, in turn highlighting areas with the potential for higher fuel loading. This information helped park managers to implement more effectively-targeted fuel load management strategies.

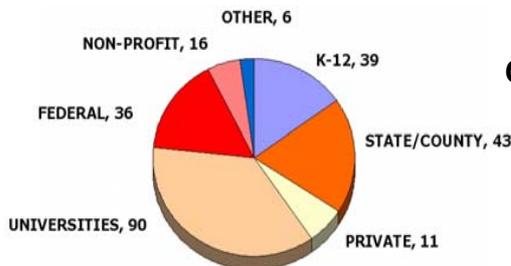
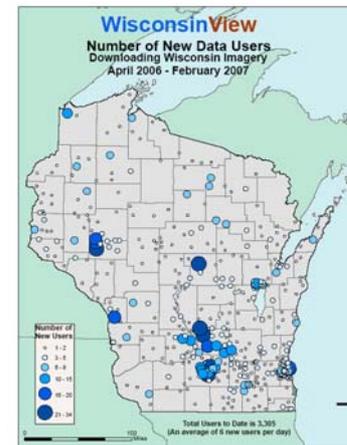
GeorgiaView Helps Carroll County Water Authority Improve Erosion Control Planning for a Local Drinking Water Reservoir



GeorgiaView's analysis for CCWA used satellite images, other data, and a soil loss model to help CCWA understand how different activities are affecting soil loss around the reservoir. The highest erosion risk areas in the reservoir's watershed are shown in red.

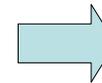
AmericaView members help agencies adopt cost-effective applications by leveraging shared data archives and research facilities to develop cooperative pilot projects that demonstrate the value and utility of the technology.

Change detection techniques can help map damage areas following severe weather. This image shows the ground trace of an F3 tornado that touched down August 18, 2005, on the north side of Stoughton, Wisconsin. ERSC researchers produced this image for Wisconsin Emergency Management using the blue and green spectral bands of a TM image acquired one month before the storm and the red band of a Terra ASTER image acquired 10 days after the storm.



AmericaView Program Impacts In 33 states to date....

- Well-connected, informed user community
- Public domain archives
- Data sharing agreements
- Sharing resources & expertise
- Enhanced education and workforce training opportunities



- Increased access to remote sensing data at the state level
- Current workforce is both willing and able to use the data
- Future workforce is engaged
- Increased number of demonstration projects, pilots, applications
- Cross-pollination of applications within and between states