

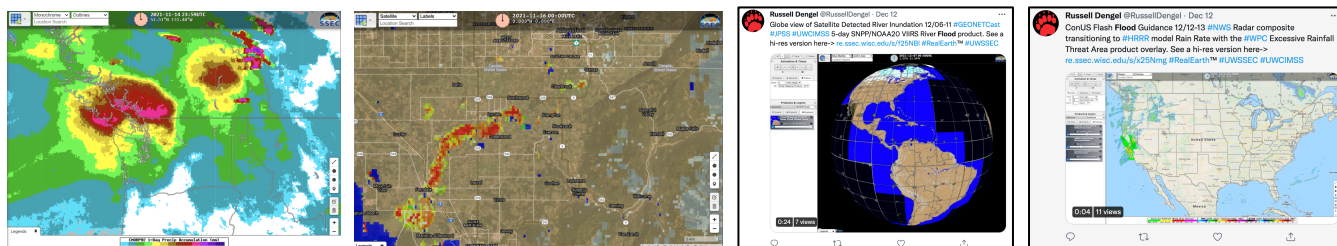


WISCONSINVIEW 2020 - 2021



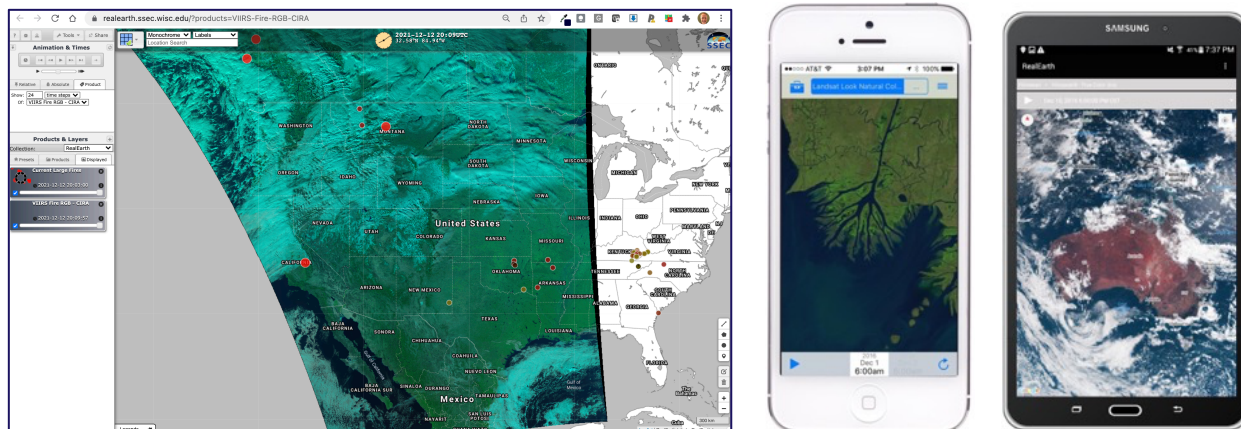
WISCONSINVIEW 2020 - 2021 ACTIVITIES

WisconsinView is engaged in two “High Impact Activities” (HIAs). The first involves bring satellite-derived flood mapping products from the atmospheric sciences into GIS formats to expand accessibility. This supports the establishment of strategic partnerships across disciplines. To bridge the gap between scientific data and public, we process the maps into our *RealEarth* mapping platform. Once in *RealEarth*, they also become available for sharing in social media. Here are some Blog and Twitter examples that utilize the results of this HIA:



Satellite-derived flood mapping products made available in map services (left two images) and picked-up by social media (right two images).

The Second HIA promotes the use of the *RealEarth* mapping platform among StateView members of AmericaView. Our goal is to assist StateViews in sharing their educational materials and research results by utilizing *RealEarth*. The platform is flexible and works in both web browsers and mobile devices. Mobile devices with locational services give educators an opportunity to put their students “into the data” as an immersive experience. This year PennsylvaniaView developed curriculum specifically to utilize *RealEarth* in the classroom, and WisconsinView used *RealEarth* in a virtual (Zoom) workshop for high school students. This HIA advances education, training, technology transfer, and outreach.



Examples of the RealEarth visualization platform from L to R: web browser, showing fire data from Colorado; iOS mobile app showing a Landsat 8 imager of a river delta; Android mobile app showing geostationary imagery of Australia.

WisconsinView is a member of the AmericaView Consortium, a nationally coordinated network of academic, agency, non-profit, and industry partners and cooperators that share the vision of promoting and supporting the use of remote sensing data and technology within each state. AmericaView is funded by USGS grant agreement G18AP00077.



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BENEFITS TO WISCONSIN

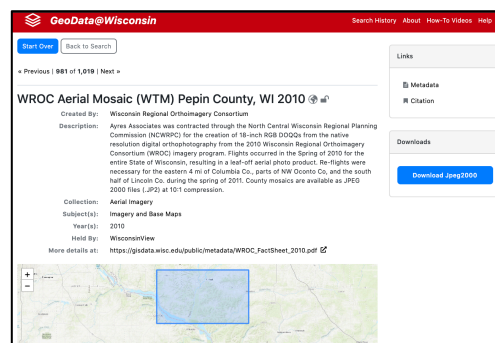
Since its establishment in 2004, WisconsinView has support Earth observation education and outreach across Wisconsin. We do this in the following ways:

- **Presenting** Earth observation data and information at public science events across the State and in local classrooms.
- **Enriching** access to high-value data sets such as LiDAR and aerial photography through a 100TB ftp server.
- **Demonstrating** how to utilize emerging web mapping technologies such as OGC WMTS in workflows by professionals as well as in the classroom.
- **Partnering** with organizations and agencies to leverage expertise and synergies.

We continue to collaborate with other StateViews as we learn from each other and leverage the power of the AmericaView network.



Students enjoy a 3D experience of a terrain model at a museum outreach event in Milwaukee, WI.



WisconsinView partners with the State Cartographers Office to catalog data sets for improved data discovery.

CURRENT WISCONSINVIEW CONSORTIUM PARTNERS



Federal consortium members identified above do not receive funding from AmericaView.

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<https://wisconsinview.org>



<https://ssec.wisc.edu/realearth>



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