PennsylvaniaView is a collaborative effort of a consortium of members throughout the Commonwealth of Pennsylvania. PAView was established in September of 2005 and is a full member of the AmericaView program. The current members who have a wide range of research and outreach interests include: California University of Pennsylvania, Bucknell University, Clarion University, Villanova University, the Pennsylvania State University, and Pennsylvania Spatial Data Access—the public access GIS clearinghouse for the Commonwealth of Pennsylvania. PAView was developed to further one of the primary goals of the AmericaView program—educating the public about remotely sensed imagery and to provide an additional portal to data and information in a public forum.

The goals of PAView are: 1) To build partnerships within the Commonwealth to support interests in public domain remotely sensed data. 2) To create resources for K-12 teachers to utilize in their classrooms to educate students about satellite imagery. 3) To promote the sharing of data through connections with existing resources and acquisition of new data resources. 4) To work with undergraduate educators and institutions through the Commonwealth to enhance access to satellite data and encourage its use in their courses.

PA View has:

1) Two of the PAView’s previous work include assisting Washington, PA of a HAZUS flooding analysis and a creation of a Landfire exercise. Dr. Thomas Mueller and a student completed a HAZUS analysis of Washington, Pennsylvania.

2) Led an effort to create Chesapeake View - a collaborative effort between the following State Views – West Virginia, Virginia, Maryland, and Pennsylvania

3) The PI has co-led the effort for increased visualization of Earth Observation Day (including initial discussions with AGI, led social media efforts, created lessons, co-led local mapathons, etc.)

4) Worked with teachers on using geospatial technology including imagery in their classrooms.

5) Worked on Humanitarian Mapping to assist Humanitarian agencies

Federal consortium members identified above do not receive funding from AmericaView.
PennsylvaniaView’s High Impact Activity this year was to build a presentation and exercise for a freshman college-level geography courses using CropScape, a National Agriculture Statistics Service (NASS) web service. It “…provides a raster, geo-referenced, crop-specific land cover map for the continental United States.” - https://data.nal.usda.gov/dataset/cropscape-cropland-data-layer. The CropScape layers were developed using many sensors including Landsat imagery. After a rough draft was developed, the documents were evaluated by college students and scientists from the National Agriculture Statistics Service (NASS). In the exercise, students evaluate the Top 5 Crops in Pennsylvania and then examine the changes in Pennsylvania crop acreage over the past 10 years.

The PAView consortium members work on a wide variety of efforts related to remotely sensed data at their universities.

California University of Pennsylvania
Co – PI: Thomas Mueller, Ph.D., GISP
Pennsylvania State University
Clarion University of Pennsylvania
Bucknell University
Villanova University

And Our New Member for 2019-2020
Montour High School

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