Undergraduate Use of PAView for Community Outreach

By

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Yes, Virginia there is a California in Pennsylvania
California University of PA
Welcome to PennsylvaniaView

The Pennsylvania landscape is a diverse and rich environment for those interested in remotely sensed data. From its broad vistas of the ridge and valley province, to its rich farmlands and massive state park systems, to its densely populated urban areas, the Commonwealth provides a unique setting for understanding the importance of satellite derived data and its role in decision-making and education.

News

PAView now provides access to daily Moderate Resolution Imaging Spectroradiometer (MODIS) via the Pennsylvania geospatial data clearinghouse, PASDA. The MODIS instrument is operating on both the Terra and Aqua spacecraft. It has a viewing swath width of 2,338 km and
Quote

“If you are going to be in academia, do not live your whole life in the ivory tower” – Dr. Jay Morgan
Students want real-world applications

- Diploma is not a ticket to a job
- There are issues in “real-world” data: Misspellings, changes to types of streets
Students need to learn how “to adapt and improvise.” – Clint Eastwood: Heartbreak Ridge

Service Learning Issues

- Town and Gown Issues
- Internships are the most obvious option
- However my students could complete projects that maybe companies want completed but are low on the priority list
- Academic Calendar
- Legal Constraints of Data Sharing
- Sample Projects??
Open Project – Washington Co.

- “deeply appreciated”
- “allowed for improved understanding of emergency services”
- “credit to you, your program and your university”
HAZUS - 100-year Flood in California, PA
Jeannette Flash Flood

- “students maintained high standard in relation to data integrity”
- “department will utilize this data frequently”
- “extend deepest appreciation to students”
Pictometry and Education

- Pictometry contacted me about POL
- First thought – Great for universities
- Second thought – Even better for K – 12 education
- Discussed my ideas with my Graduate Assistant and Work Study
- How can we integrate POL into the K – 12 education?
- Create Lessons based on Standards
Bearing down the Street
K – 12 Plan: Part 2

- We needed teachers to use the lessons, however....
- State Tests
- Overworked with different lessons, etc.
- Idea – Teachers create their own lessons based on something they ALREADY teach
- POL can assist teachers!
- Funding from AmericaView helped.
Teachers’ Lessons
More at Kennywood
Pictometry and Physics
Conclusion

- Give Students a Chance
Thank you

- PennsylvaniaView
- Dr. Jay Morgan – My GIS Father
- All of my students
- All the institutions
Questions ?????

http://blog.zap2it.com/frominsidethebox/2012/05/get-ready-for-mrs-eastwood-company-with-12-classic-clint-eastwood-movies.html