



Information Resources Exchange Group Highlights

Wednesday, March 8, 2023

The 126th meeting of the DVRPC's Information Resources Exchange Group (IREG) was held virtually as a webinar and hosted by IREG Organizer, Christopher Pollard, from the DVRPC. Over 40 people attended this virtual meeting.

IREG is dedicated to sharing innovation and development in information technology related in particular to geospatial technology, data visualization, geographic and tabular data, data management practices and tools, and spatial analysis.

Presentations

1. Nearmap's Proactive High-Resolution Imagery Data Insights & Two-Way Integrations - Kevin Korth, Enterprise Account Executive, Nearmap | Tim Lyons, Government Solutions Engineer, Nearmap

Kevin and Tim presented on [Nearmap](#)'s unique fixed wing aerial imagery capture program and data insights. Kevin highlighted recent release enhancements with NearMaps AI feature extractions (5th generation) and the depth of attribute fields and metadata that are incorporated into each AI generated dataset. Tim demonstrated how two-way ESRI integrations and artificial intelligence data can be used to save trips to the field and share spatial information to a broader audience across the enterprise. He walked through the ease of adding feature and map services into Mapbroswer, showcased the new edit style tool for quickly changing map layer symbology. Nearmap also has an Esri Marketplace item that allows for easy integration into ArcGIS Online.

2.DVRPC Data Management Assessment - Kim Korejko | Manager, Office of Data Coordination | DVRPC

DVRPC conducted a Data Management assessment using the [NCHRP Report 814: Data to Support Transportation Agency Business Needs: A Self-Assessment Guide](#). Kim and other technical staff from DVRPC participated in this data assessment that was facilitated by [Spy Pond Partners](#). One of the key takeaways from this activity was actually having an outside facilitator to keep DVRPC on track, organized, and first hand insight into the assessment tool. The assessment scored DVRPC on how well or poorly they were doing with data management and standards, and provided lessons learned. Kim explained how DVRPC will be taking what they discovered from the assessment and applying it to a data action plan.

3. High-precision GIS Utilizing RTK, GNSS, and UAS - Chris Kahn | Founder, [AlphaRTK](#)

Chris gave a presentation explaining the data-intensive, high-precision GIS driven efficiencies when using UAS (drones), GIS, and RTK GNSS (GPS) combined together. The accuracy and efficiency can save countless hours and provided near accurate measurements and data collection not just for one data collection session but over the span of months/years. Chris showed examples of infrastructure management and precision agriculture research at Rutgers University, as well as golf course design & development in the Caribbean. AlphaRTK, is a four-constellation, GNSS correction network serving New Jersey and Eastern PA.

Webinar Recording (Zoom)

https://dvrpc.zoom.us/rec/share/ldaKJCfHOa0FDjBO3iZ_am5sbKvP6hjGih0tROkmXPKkIAYc1JV9tjEZ66hAOfsH.3-DAIISWAmEgbULk?startTime=1678288038000

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Information Items

- The next scheduled IREG meeting is planned for June 2023.
- DVRPC recently launched their new Data Center (<https://www.dvrpc.org/data/>)

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