GIS Colorado
Hybrid Winter Meeting - January 28, 2022

Sponsored by:

LOCATION:

The Touber Building, Mt Shavano Room
488 East 1st Street, Salida, CO

9:00-9:15

Welcome/Announcements & Introductions

9:15 - 10:00
Weed Warriors: Engaging Volunteers with Survey123
Victoria McKennan, GIS Analyst and Karen Scopel, Environmental Planner, City of Greeley
vmckennan@gmail.com

Survey123 is a user-friendly, form-based data collection tool that allows field crews to gather data correctly and accurately. Last summer, for the City of Greeley's Natural Areas and Trails Department, field crews included local residents volunteering their time to not only treat noxious weeds, but to report their observations and work back to the City. Survey123 allowed volunteers to engage with the City's efforts and make a meaningful contribution in a new way. This presentation will cover the goals of this project, successes and lessons learned, and plans for 2022.

10:00-10:30
BREAK

10:30-11:00
UAS Data Collection and Campus Mapping 2.0
Steven Hick – Professor of the Practice, University of Denver
shick@du.edu

Twenty-five years ago, the University of Denver, Facilities Management department, teamed with the Department of Geography to integrate GIS technology into the facilities inventory and maintenance operations. Since that time, the university has relied on obtaining aerial photography for campus mapping from regional sources like the Denver Regional Council of Governments (DRCOG). That imagery

has been available in spatial resolutions of one-foot, six-inches, and more recently, three-inches. Unfortunately, regionally-sourced imagery is flown every two years, in even numbered years, and is not available to the university for another one or two years after the data is collected and at a cost thought nominal given the size of the DU campus. The availability of aerial photography often does not coincide with major changes on campus. Six years ago, the Department of Geography and the Environment embraced Unmanned Aerial System (UAS) technology for use in teaching and research. There is little question about the growth and popularity of UAS technology in a wide variety of disciplines. In the spring of 2021, two DU community members flew the DU campus collecting one-inch resolution imagery ushering in a new era of high-resolution data collection and on-demand campus mapping. In this presentation we will explore the application of UAS technology in the mapping sciences and focus on the UAS missions that made capturing a DU campus-wide image possible.

11:10-11:40
Grand Junction Report a Concern App
Scott Larsen - GIS Analyst/Developer, City of Grand Junction
scottla@gjcity.org

Grand Junction recently launched our "Report a Concern" application, a GIS-based application where residents can report city-related issues, as well as monitor the reported issue's progress until completion. Reported issues are automatically routed to the appropriate department, and both internal and external users are notified via email. We will discuss how the City of Grand Junction decided on this platform, implementation steps, overview of the application features and workflow, automation, department buy in, and lessons learned.

11:45-1:15
LUNCH

1:15-2:15
4Ls Retrospective Roundtable
Victoria McKennan, GIS Analyst, City of Greeley
vmckennan@gmail.com

It's a new year! What do we want to bring forward and what do we want to leave behind? What specific actions can we each commit to elevate our work, our careers, and the GIS profession? The 4 Ls is a retrospective technique where participants identify and share what they loved, loathed, learned, and longed for in their work. This interactive discussion will use this simple framework to reflect back on the past year of work as GIS professionals and explore what we've learned.

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