



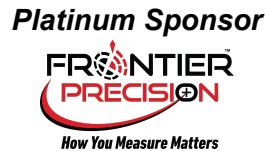
Winter Quarterly Meetup

January 26-27, 2023

Pueblo, Colorado



Thank you to our sponsors!



Thursday January 26, 2022

Open Source Geospatial Analysis using Python and GDAL

8:00 AM to 3:00 PM [1.5 hour lunch break] — *Instructor:* Lucas Kaim Thelen, Senior Support Engineer

- Installing Geospatial Data Abstraction Library (GDAL) and Python
- Use python to solve challenging spatial problems

Prerequisites: This course requires you to have taken an introductory Python course and at least one GIS course before. This course assumes that you can write a python for loop already.

Meeting Location: Emergency Services Center Conference Room, Pueblo County Emergency Service Center, Sheriff's Department, 101 W 10th St, Pueblo CO 81003

Parking: see map below

Friday January 27, 2023 Meetup

Emergency Services Center Conference Room, Pueblo County Emergency Service Center, Sheriff's Department, 101 W 10th St, Pueblo CO 81003

Parking: see map below

Agenda

8:30 AM to 9:30 AM **Welcome! Coffee & Light breakfast**
Provided by Argis Solutions, Inc.

9:30 AM to 10:00 AM **Announcements & Introductions**

10:00 AM to 10:30 AM The Art of GIS Advocacy Within Your Org
Brady Hustad, CEO with Argis Solutions, Inc.

Organizational psychologist Adam M. Grant notes, “The art of advocacy is to lead you to my conclusion on your terms.” We’ll be sharing our best tips for building a strong GIS foundation within your organization. How competition, education, quantification, and new legislation can help you win over new allies for GIS.

10:30 AM to 10:45 AM *AM Networking Break - Sponsored by Argis Solutions, Inc.*

10:45 AM to 11:45 AM CODEX- a new tool supporting conservation
Michael Menefee, Data Distribution Coordinator
with Colorado Natural Heritage Program, CSU
(Virtual Presenter)

Colorado's Conservation Data Explorer (CODEX) serves data from many partners in a map visualization platform that generates reports to support conservation objectives, and connects the entire conservation community. In CODEX users can interact with data from CPW, TNC's Resilient and Connected Network, CNHP data, and other partner data. Users can generate reports on sensitive species, COMaP/protected lands, the return on investment of ecosystem services, and much more. In this session, attendees will learn how to get the most out of CODEX to become experts on their areas of interest!

11:45 AM to 1:00 PM *Networking Lunch*

1:00 PM to 1:30 PM The Resilient and Connected Network: A Foundation For
Climate-Resilient Conservation in Colorado
Drew Rayburn, Director of Conservation Science & Planning
with The Nature Conservancy in Colorado
(Virtual Presenter)

The Resilient and Connected Network is an innovative science-based mapping framework for prioritizing climate-resilient land protection and improved management across the U.S. In Colorado, land management agencies, land trusts, conservation funders, and stakeholders are applying the RCN to accelerate the pace and scale of climate-resilient conservation on natural and working lands for the benefit of nature and people. This presentation will include a RCN overview, current examples of Colorado applications, and a demonstration of the online tool.

1:30 PM to 2:00 PM On Demand, Custom, Topographic Maps with topoBuilder,
Carol Lydic with US Geological Survey
(Virtual Presenter)

The U.S. Geological Survey's National Geospatial Program has released the topoBuilder application, which enables users to create topographic maps on demand using the best available National Map data. In topoBuilder, users can generate topographic maps, called OnDemand Topo, centered anywhere in the United States or Territories, with customized contour smoothing, and export formats GeoTIFF or GeospatialPDF. Maps are made at

1:24,000-scale for the conterminous United States and Hawaii, 1:20,000-scale for U.S. territories, and 1:25,000 for Alaska. Future releases are planned for additional customizations such as user-selected layers, user-added content, GIS data exports, and other map scales. TopoBuilder, its capabilities, and OnDemand Topo maps will be demonstrated.

2:00 PM to 2:30 PM

GISCO 2022 Year in Review

Genie Hays, 2022-2023 Chair, GIS Colorado

2:30 PM

Wrap Up

Parking Information

