2024 GIS for Forestry & Natural Resource Management

A GIS introduction for professionals

March 19-20, 2024

5100 Sierra College Blvd

Rocklin, CA 95677

UCCE is offering an introductory GIS refresher for forestry and natural resource professionals. This two-day technical workshop will include topics on cartography, data management, ArcGIS Online (AGOL), and explore participant driven topics. In addition to hands-on exercises, the workshop will include an open workshop period on the second afternoon. Participants are encouraged to bring their own data and hardware to work on personal projects with UC experts. The workshop will begin at 9:00 am on both days with presentations in the morning and hands-on exercises in the afternoon. Exercises are based on forest and natural resources management applications.

This workshop is co-hosted by Sierra College, the California Association of Resource Conservation Districts, UCANR Cooperative Extension (UCCE), UC Informatics and GIS Program (IGIS) and is supported by the Renewable Resources Extension Act Capacity funding. The workshop will be held at Sierra College in Rocklin, CA on March 19-20th, 2024.

Due to limited space, we are requiring advance registration. The cost for this course is $40 and includes lunch and light refreshments.

Purpose: Guided training to learn about managing and editing data, best practices in cartography, and spatial analysis. Lectures and demonstrations are geared towards forest and natural resource management applications.

Who: Beginner ArcGIS PRO users interested in better utilization of GIS.

What to bring: Computers are provided, but space is limited. **If you have a laptop with ArcGIS already loaded, participants are encouraged to bring personal laptops and data to work on during open sessions for specific assistance.**

Workshop Agenda

<u>Day 1 - GIS Refresher & ArcGIS Pro</u>

8:30   **Welcome and Opening Remarks**
Ricky Satomi, UCCE Forest Advisor
Ryan Tompkins, UCCE Forest Advisor

9:00   **Fundamentals of GIS**
Andy Lyons, UCCE IGIS Program

10:00   **Getting Started with ArcGIS PRO**
Sean Hogan, UCCE IGIS Program

11:00   **Group Discussion: GIS Barriers**
Ryan Tompkins, UCCE Forest Advisor

Noon   **LUNCH**

1:00   **Organizational Administration and Spatial Data Management**
Ricky Satomi, UCCE Forest Advisor

2:00 - 5:00   **Open Session and Self-Paced Exercises**
Work on your data/apps/hardware with local experts

<u>Day 2 : Field Collection with ESRI</u>

8:30   **Field Collection Activity/Group Discussion**
Using Fieldmaps

9:30   **Introduction to WebMapping Applications/AGOL Permissions**
Sean Hogan, UCCE IGIS Program

10:00   **Setting up Fieldmaps (Starting from Scratch)**
Madison Thomson, Forester, CHY Company

Noon   **LUNCH**

1:00   **Fieldmaps continued (Starting with existing data)**
Madison Thomson

3:00   **Open Session and Self-Paced Exercises**
Work on your data/apps/hardware with local experts.
Other Topics: AGOL Webmapping, Advanced Cartography, survey123

Forestry Data: https://bit.ly/forestGISdata