DRONES & GEOSPATIAL TECHNOLOGY WORKSHOP

June 7-8, 2017

UC Forestry Camp, Meadow Valley

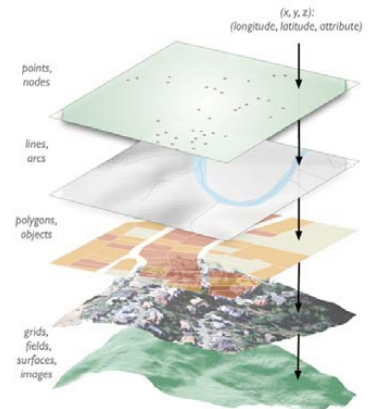8091 Schneider Creek Rd. Meadow Valley, CA 95956

http://ucanr.org/GIS

Goal: To provide an overview of cutting edge geospatial technologies to natural resource practitioners and Cooperative Extension educators, with practical hands on experience using new and exciting geospatial tools.

Workshop Content: This educational event combines 2 workshops and a presentation (on the first evening) on new developments in GIS and remote sensing technology by the UC Berkeley Geospatial Innovation Facility from the UC Division of Agriculture and Natural Resources, Informatics and GIS statewide program.

The first day of the workshop will introduce you to new and exciting geospatial technologies for environmental data collection, including mobile data collection apps and unmanned aerial systems (UAS – drone technology). After a brief presentation on contemporary drone technology and regulations, you will go outside for a UAS demonstration, and hands on experience with a common quad-copter platform and collect GPS records with your smartphone. You will then return to the classroom for a brief introduction to a Pix4D data processing exercise.

Using data from the first day, the second day will include an introduction to the types of analyses and visualization GIS may be used. You will then follow an interactive exercise that will introduce you to ArcGIS Desktop software while mapping environmental features in the Northern Sierra Nevada area. Both of these workshop segments have been designed for participants with little to no experience with GIS or UAS, and will serve as an introduction to some of the most cutting edge of today's geospatial technologies.

Audience: Public and private resource professionals as well as UC Cooperative Extension Advisors and Specialists.

When & Where: June 7-8, 2017, 1 pm to noon the next day with overnight lodging available. UC Forestry Camp, Meadow Valley, CA: https://forestrycamp.berkeley.edu/experience-camp/location/

Cost: $60. Course cost does not include meals and lodging. See registration website for meals and lodging costs.

Register: Go to http://ucanr.edu/gis_workshop to register. Registration is limited to 24 participants, so register early.

Contact: Sean Hogan, 530-750-1322, sdhogan@ucanr.edu

University of California
Agriculture and Natural Resources ■ Informatics and GIS Program