

Spatial Technology Talks

This is a semi-regular series, hosted by spatial@ucsb, which aims to promote discussion and interaction within the university's spatial technology community and also share tools and techniques for mapping and spatial analysis.

Science and Spatial Technology at the California Department of Conservation

Jeff Onsted and **Nathaniel Roth**

November 28, 2018

UCSB Geography Ph.D. alumnus **Jeff Onsted** and UC Davis alumnus **Nathaniel Roth** teamed up to discuss the publication of spatial data and the production and use of spatial tools at the California Department of Conservation.

Abstract: The California Department of Conservation's scientists and engineers are dedicated to balancing today's needs with tomorrow's obligations by fostering the wise use and conservation of energy, land, and mineral resources. Our spatial technologies support this work by enabling us to collect, store, analyze, visualize, report, and share data on the state's resources and serves as a core ingredient to discharging our regulatory, advisory, and conservation responsibilities. Whether mapping the state's geology and geologic risks, identifying changes within the state's agricultural spaces, managing portions of the state's carbon portfolio, or regulating the California's mineral and petroleum extraction industries, high quality spatial data is essential to meeting our mandates. With very few exceptions, all of our spatial data is either available now or will be in the very near future.

Nathaniel Roth, Geographic Information Officer, California Department of Conservation, Ph.D. Geography, UC Davis, 2016; M.A. Geography, UC Davis 2012; B.S., Environmental Biology & Management, UC Davis 2000.

Jeff Onsted, Chief Science Adviser, California Department of Conservation, Ph.D. Geography, UC Santa Barbara, 2007; M.A. Geography, UC Santa Barbara, 2002; B.A. Urban Studies and Planning, UC San Diego, 1995.