

# Climate change and lake temperature in the Sierra Nevada: There's no business like snow business

Water temperature regulates a broad range of fundamental ecosystem processes in lakes. While climate can be an important factor controlling lake temperatures, in many lakes, water temperatures are responding differently than air temperatures. We analyzed multiple decades of climate and water temperature data from a high-elevation catchment in the southern Sierra Nevada to illustrate the magnitude of warming taking place and to demonstrate the role of winter snow-pack in regulating lake temperatures.

COMMUNITY PRESENTATION

Feb.  
9

5:30 – 7 p.m.

Tahoe Center for Environmental  
Sciences, 291 Country Club Dr.,  
Incline Village, Nevada

\$5 suggested donation,  
refreshments and no-host bar 5:30  
p.m., presentation begins at 6 p.m.

Please register for your seat at  
<http://tahoe.ucdavis.edu/events/>

Dr. Steve Sadro, assistant professor UC Davis, is a limnologist and ecosystem ecologist, interested in how physical, chemical, and biological factors interact to regulate aquatic ecosystems.

*Emerald Lake in the autumn just days before it ices over for the winter  
Photo by Steve Sadro*



The Tahoe Environmental Research Center (TERC) is a global research leader providing the science for restoring and sustaining Lake Tahoe and other treasured lakes worldwide. TERC educates the next generation of leaders and inspires environmental stewardship.