

# Using phenology to detect plant responses to climate change



Join us for this fun and informative (and free!) half-day workshop designed to introduce participants to the science of phenology – the study of seasonal cycles in plants and animals – and how it’s used to track the effects of climate change on our diverse landscapes. Come find out how *you* can participate in the San Luis Obispo region and contribute to an important scientific effort to collect phenological data across the state and nation.

**Who:** scientists, educators, citizen scientists, and nature enthusiasts of all ages!

**Where:** UC Rancho Marino Reserve 393 Ardat Dr., Cambria, CA

**When:** May 26, 9am-3pm



## Workshop Agenda

- 8:45am** Arrive at Rancho Marino Reserve
- 9:00 – 10:30** Indoors: Presentation and discussion
  - ✓ What is phenology, and how is it linked with changing climatic conditions over the short-term and long-term?
  - ✓ Introduction to the California Phenology Project and the USA National Phenology Network, including the roles of UC Natural Reserves and California’s National Parks
  - ✓ Basics of phenological monitoring
- 10:30 – 10:45** Break
- 10:45 – 12:15** Outdoors: Hands-on practice monitoring plant phenology!
- 12:15 – 1:00** Lunch Break (everyone should bring their own lunch)
- 1:00 – 3:00** Discussion, guided activity session, and wrap-up
  - ✓ We have data... now what?
  - ✓ Getting *your* community involved
  - ✓ Developing educational activities around phenological monitoring
  - ✓ Moving forward at Rancho Marino Reserve and around the San Luis Obispo region (and beyond!)



To reserve a spot & get directions contact the workshop coordinator ASAP:

**Don Canestro** Reserve Director Rancho Marino Reserve [canestro@lifesci.ucsb.edu](mailto:canestro@lifesci.ucsb.edu) 805-927-6833

### Workshop leaders

**Brian Haggerty** PhD student UC Santa Barbara [haggerty@lifesci.ucsb.edu](mailto:haggerty@lifesci.ucsb.edu) 805-893-8066

**Susan Mazer** Professor UC Santa Barbara [mazer@lifesci.ucsb.edu](mailto:mazer@lifesci.ucsb.edu) 805-893-8011

For more info on phenology projects check out:

USA National Phenology Network: <<http://www.usanpn.org/>> & <<http://www.usanpn.org/participate/observe>>

California Phenology Project: <<http://www.usanpn.org/cpp>>