

Planting the Seed for Citizen Science:

Climate Change and Phenology Workshops for Educators and Scientists in Southern California

Have you been wondering about ways to integrate climate change science and education into your classroom or outdoor education & research activities? Come to a free, one-day workshop focused on climate change, citizen science, and phenology (the science of the seasons, such as when a flower blooms in the spring) to find out how!

Help! Our climate is changing and scientists throughout the country need your assistance! Concerned citizens throughout the country are monitoring the pace of the seasons and contributing to a new national database designed to track the effects of climate change on plants and animals. It's easy to do on your own or with a group of students. Join us at one of our upcoming workshops and learn how you can participate in the project.

The Phenology Stewardship Program at the University of California Santa Barbara (UCSB) is offering four workshops this summer and fall in partnership with the US Fish and Wildlife Service (USFWS) and the Santa Monica Mountains National Recreation Area (NPS). Educators, scientists, and citizen scientists are invited to attend a day of engaging discussions, hands-on activities, and brainstorming sessions to incorporate phenology monitoring into your scientific or education efforts.



What will you learn at this workshop?

- Botany Basics
- Phenology and its relationship to climate change
- How to integrate phenology and climate change into your classroom
- How to get involved in a national program to help scientists track the effects of climate change on plants & animals



“Phenology... is perhaps the simplest process in which to track changes in the ecology of species in response to climate change.”

Intergovernmental Panel on Climate Change, 2007

Visit usanpn.org and budburst.org to learn more!



All workshops will take place 9am-3pm at the Santa Monica Mountains NRA Headquarters in Thousand Oaks and will include an afternoon field trip to the Satwiwa Native American Culture Center. Lunch will be provided. Choose one of the following dates:

August 14 September 10 September 18 October 1

Space is limited, please RSVP to:

Kate Eschelbach (USFWS Education & Outreach Specialist): Kate_Eschelbach@fws.gov or (805)644-1766



If you have any questions, please contact Kate or the workshop instructors:

Dr. Susan Mazer (UCSB): mazer@lifesci.ucsb.edu or (805)893-8011

Brian Haggerty (UCSB): haggerty@lifesci.ucsb.edu or (805)893-8066

