

Emerging Botanical Field Methods

*using new technologies to identify, map,
and explore wild diversity*

March 31, 2012



Recent years have seen a burst of innovation in tools that give professional botanists and amateur naturalists new ability to identify plants in the field, precisely map plants, report beautiful or important discoveries, and explore diversity and distribution from mountaintop, desktop, or laptop. These tools include easy mobile phone apps, web-based applications, and GPS cameras. Unfortunately, tools can be duplicative, confusing, and often exaggerate their true utility – and who wants to be looking at their phone while they're outside enjoying wild California!? We all know there are great new tools available, but what really works, what is easy, and how do we enhance our ability to botanize without wasting time focusing on gadgets?

This training workshop introduces participants to the diversity of technical tools available for exploring California's botanical diversity and helps them to understand their various uses. We'll review

the range of tools, and then talk about those few that are really valuable, really easy, and add rather than detract from our field experience. We will provide enough iPhones, Android phones, tablets, and GPS cameras to ensure that every attendee has the chance to get "hands on" and familiar with using these tools. All workshop attendees will receive a free Professional registration to Calflora, and will get to use these individual registrations to explore a range of exciting tools available through the Calflora website and electronic field tools. By the end of this class you'll be ready for your best spring wildflower season ever! (If you are interested in buying a \$70.00 phone for mapping, please contact Dan Gluesenkamp.)

Daniel Gluesenkamp is Executive Director of The Calflora Database, where he helps the leading source of California wild plant information to develop innovative new mapping, data analysis, and management planning tools. Prior to joining Calflora Dan worked for Audubon Canyon Ranch, leading habitat protection and restoration work across 30 properties and conducting research on invasive turkey impacts and nitrogen deposition impacts on vernal pools. He earned his Ph.D. in 2001 with "The ecology of native and introduced thistles," and in 2009 discovered a Franciscan manzanita plant growing on a traffic island at the Golden Gate Bridge. Daniel Gluesenkamp is a founder and past president of the California Invasive Plant Council and co-founder of the Bay Area Early Detection Network (BAEDN).

This workshop will meet Saturday, March 31, 2012, from 9:30 a.m. to 4:00 p.m. in Holt Hall room 129 at CSU Chico. The registration fee is \$100.00 personal, \$125.00 business, \$40.00 student (only 2 seats at this price), \$90.00 for members of Friends of the Herbarium. Please register in advance; class size is limited to 25 participants (class cancelled without a minimum of 10 participants). For more information about workshop content please contact Dan Gluesenkamp at dan@calflora.org or 415-939-6681. For more information about workshop registration please contact the Biology office at (530) 898-5356 or jbraden@csuchico.edu.



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workshop registration form

Please make your check payable to “Friends of the Herbarium” and mail to
Friends of the Herbarium
California State University, Chico
Chico, CA 95929-0515

NAME: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

PHONE: _____

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AMOUNT ENCLOSED: _____

