

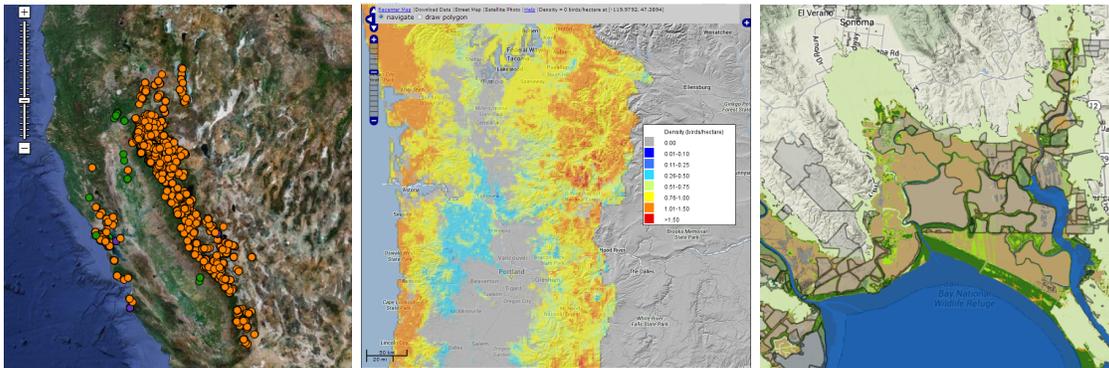
## **BeWORKSHOP TRAINING ANNOUNCEMENT**

**Dates:** September 16th - 19th, 2013

**Location:** UC Davis

### **Best practices for systematic conservation planning: A technical course**

We would like to invite you to an instructor-led workshop where we will present the state of the science for developing spatial decision support tools to inform the conservation of plants and animals in the context of climate adaptation planning. We will review modeling and prioritization tools and resources (e.g., web applications and data), go over best practices when using these tools to support decision making, and discuss how to understand and integrate the uncertainty inherent in species distribution models and climate models. We will demonstrate the applications and limitations for developing effective adaptation strategies to address rapid environmental change. These workshops are a collaborative project between Point Blue Conservation Science (formerly PRBO), the UC Davis Information Center for the Environment (ICE), Colorado State University and the U.S. Fish and Wildlife Service and are funded by the CA Landscape Conservation Cooperative (LCC).



### **Key Topics:**

#### *Species distribution models*

- assumptions, uncertainties, and limitations as they relate to the decision making process
- approaches and criteria for assessing and developing occurrence and environmental variables
- choosing appropriate parameters and evaluation of results
- model interpretation and limitations
- Tutorials using Maxent

#### *Conservation planning prioritization*

- review prioritization software types and appropriate application examples (Marxan and Zonation)
- target vs species based approaches
- integrating future uncertainty

#### *Integrating climate change*

- no-analog climates
- invasive species
- landscape connectivity and changing climate

### **Target Audience and Format:**

This workshop will be limited to 25 participants. The target audience for this course includes GIS analysts and statistical or technical staff with at least intermediate or higher GIS background and experience\*. The goal of this course to train participants to complete their own analysis focusing on using current best practices and appropriate tools, model outputs, and data. The course will include a mix of presentations and hands-on instruction in a UC Davis computer lab. Participants will complete hands-on exercises using real data to assess the entire modeling process and life cycle from data acquisition to applying and interpreting results for conservation planning and management .

\*Note that a less technical workshop targeted at management staff will also be presented as a separate course - more information on the Managers Course can be found [here](#).

### **Course Prerequisites**

Intermediate or higher GIS skills

Participants will be asked to read selected papers prior to course

### **Registration Information:**

Registration is free but space is limited. Register online [here](#)

### **Instructors:**

Patrick Huber, Ph.D., Project Scientist, UC Davis

Jim Quinn, Ph.D., Professor and Director of Information Center for the Environment, UC Davis

Sam Veloz, Ph. D. Spatial Ecologist Point Blue Conservation Science (formerly PRBO Conservation Science)

Nick Young - Research Associate, Natural Resource Ecology Laboratory, Colorado State University

**For more information contact Sam Veloz - [sveloz@pointblue.org](mailto:sveloz@pointblue.org)**

