

# Remote Sensing for California's Rangelands

## *Assessing Current Science, Needs, and Expectations*

*Sponsored by: The Nature Conservancy, Central Coast Rangelands Coalition, California Rangelands Conservation Coalition, and the Elkhorn Slough Coastal Training Program*

Tuesday, April 19, 2011

10 a.m. – 4 p.m.

Vallejo US Forest Service Office

### **Objectives:**

- 1) Those attending understand and agree upon the capacities for various methods of remote sensing and analysis to address land conservation/management issues
- 2) Scientists and technicians working with remote sensing in rangelands understand the remote sensing and analysis needs of those managing land.
- 3) Land management priorities for developing remote sensing methods and analysis are agreed upon by participants

### **Agenda:**

10:00 Welcome, introductions, agenda review

10:15-11:35 Presentations

10:15-10:35 Monitoring California's Central Coast rangeland easements using satellite imagery

*Miriram Tsalyuk, UC Berkeley*

10:35-10:55 An evaluation of monitoring methods for giant kangaroo rats at multiple scales

*Tim Bean, UC Berkeley*

10:55-11:15 Strategies for using remote sensing to promote collaboration between range managers and scientists

*Carolyn Malmstrom, Michigan State University*

11:15-11:35 Rangeland forage production from satellite remote sensing

*Chris Potter, CASA2100*

11:35-11:55 Use of imaging spectroscopy in rangeland research

*Susan Ustin, UC Davis*

11:55-12:25 Presentation clarification question and answer to presenters

## **Agenda, continued**

- |            |                                                                                      |
|------------|--------------------------------------------------------------------------------------|
| 12:30-1:00 | Lunch                                                                                |
| 1:00-1:30  | Presenter panel exercise: opportunities and constraints of remote sensing techniques |
| 1:30-2:00  | From the manager's experience...what is needed from remote sensing                   |
| 2:00-2:30  | Clarification: can remote sensing meet needs?                                        |
| 2:30-2:45  | Break                                                                                |
| 2:45-3:30  | Group discussion: expectations for future remote sensing?                            |
| 3:30-3:50  | Next steps: defining opportunities                                                   |
| 3:50-4:00  | Closing                                                                              |