

## Agenda

### Border-Area Water Management Remote Sensing Workshop

June 8-9, 2011  
Doubletree San Diego Downtown  
1646 Front Street, San Diego, CA

#### Wednesday June 8

- 11:00 am **Registration**
- 1:00 pm **Welcome and Opening Remarks, Workshop Purpose & Desired Outcomes**  
Brad Doorn, *National Aeronautics & Space Administration*  
Jeanine Jones, *California Department of Water Resources (DWR)*
- 1:30 pm **Background On/Lessons Learned from California ARRA Project**  
Jeanine Jones, *DWR*
- 1:45 pm **Remote Sensing Capabilities Applicable to Border Region**  
“Why Remote Sensing/What Can be Measured?” Overview of relevant technologies & missions – Ed Sheffner, *NASA Ames Research Center*  
  
“Limitations on Use of Remote Sensing” – Stephanie Granger, *NASA Jet Propulsion Laboratory*
- 2:30 pm **Capabilities for Tacking Land Use/Land Cover/Vegetative Water Use**  
“Introduction to Landsat/MODIS Cata and Commercial Products” – Forrest Melton, *CSU Monterey Bay/NASA Ames*  
  
“Cropland Mapping with Satellite Data” – Rick Mueller, *US Department of Agriculture, National Agricultural Statistics Service*
- (Break)**
- “Estimating Condition of Native Vegetation” – Kyle McDonald, *NASA JPL*
- “Using LCRAS for Estimating Lower Colorado River Basin Water Use – Jeff Milliken, *US Bureau of Reclamation*
- “Integration of Satellite and Surface Observation Networks for Estimation of Agricultural Water Use in the California Irrigation Management Information System – Forrest Melton, *CSUMB/NASA Ames*
- 5:15 pm **Adjourn**
- 5:30 pm **Reception – Cash Bar**

## Thursday June 9

7:30 am **Continental Breakfast**

8:30 am **Capabilities for Hydrologic Monitoring and Other Applications**

“Real-time Global Precipitation Mapping” – Soroosh Sorooshian, *UC Irvine*

“Precipitation Estimation in Mexico with Ground-based NEXRAD Radar” – Mariana Felix, *University of Alabama*

Monitoring Rocky Mountain Snow Water Equivalent – Noah Molotch, *University of Colorado*

“Synthetic Aperture Radar Monitoring Abilities, e.g. Delta levees” – Cathleen Jones, *NASA JPL* (invited)

“Rio Grande Hydrologic Applications” – Steve Niemeyer, *Texas Commission on Environmental Quality*

10:00 am **Break**

10:15 am **Case Study – the Ciénega de Santa Clara**

Ed Glenn, Karl Flessa, *University of Arizona*  
Osvel Hinojosa-Huerta, *Pronatura Noroeste*

12:00 am **Lunch**

“Remote Sensing Applications in the Mexicali Valley” -- Alejandro Hinojosa, *Centro de Investigación Científica y de Educación Superior de Ensenada*

1:30 pm **Potential Assistance Available for Remote Sensing Projects in Border Area**

“How to Engage with NASA” – Brad Doorn, *NASA*

“Lessons Learned on Border-area Projects” -- Douglas Stow, *San Diego State University*

“Availability of Binational Mapping Databases” -- Daniel Pearson, *USGS*

“Role of Regional Integrated Sciences and Assessments (RISA) Centers in Translation of Information from Research to Operations” – Dan Ferguson, *University of Arizona, Climate Assessment for the Southwest*

3:00 pm **Break**

3:15 pm **Group discussion -- Strategies for Advancing Use of Remote Sensing, Funding Opportunities**

4:15 pm **Action Items & Closing Remarks**

4:30 pm **Adjourn**