

**5<sup>th</sup> RISE Symposium (Research Insights in Semiarid Ecosystems)  
Saturday, 11 October 2008**

**Marley Building, Room 230**

8:30-9:00	<b>Registration</b>	
9:00-9:05	<b>Mitch McClaran and Susan Moran</b>	RISE Welcome
9:05-9:10	<b>Mary Nichols USDA-ARS SWRC</b>	<b>Update:</b> New Research Opportunities at WGEW
9:10-9:15	<b>David Breshears UA SNR</b>	<b>Update:</b> National Ecological Observatory Network (NEON)
9:15-9:20	<b>Mitch McClaran UA SNR</b>	<b>Update:</b> Livestock Grazing Management Program on SRER
9:20-9:25	<b>Jake Weltzin USA-NPN</b>	<b>Update:</b> USA National Phenology Network (USA-NPN)
9:30-9:50	<b>Russ Scott USDA-ARS SWRC</b>	Taking the pulse of a mesquite savanna on the Santa Rita Experimental Range
9:50-10:10	<b>Erik Hamerlynck USDA-ARS SWRC</b>	Rapid carbon-exchange responses of intact desert grassland to a simulated rainfall pulse
10:10-10:30	<b>Pierre Deviche ASU SOLS</b>	Environmental controls on rufus-winged sparrow biology and behavior
10:30-11:00	Poster introductions	Poster abstracts presented by poster authors
11:00-1:00	<b>Poster Session</b> (Accepting submissions)	Authors will be with their posters in the hall outside the conference room
12:00-1:00	Lunch w/ Posters	<i>Provided at the meeting; included in RISE registration fee</i>
1:00-1:15	<b>Peter Gierlach (Petey Mesquithey) KXCI Radio</b>	Thank You Jack Kerouac: Observations from life in a semiarid ecosystem
1:20-1:40	<b>Heather Throop (NMSU) and Steve Archer (UA SNR)</b>	Shrub encroachment, land management and litter decomposition
1:40-2:00	<b>Jeff Stone USDA-ARS SWRC</b>	Erosion processes and the loamy upland state and transition model, S.E. Arizona
2:00-2:20	<b>Cecil Schwalbe UA SNR</b>	Frog Wars! Metapopulation response of the Chiricahua leopard frog to bullfrog removal
2:20-2:30	Discussion	All speakers and poster authors will be in attendance

**POSTERS**

P1	<b>Phil Heilman, USDA-ARS SWRC</b>	Rangeland Cover Estimates from MODIS
P2	<b>Jennifer Davison, OALS</b>	Remotely sensed vegetation dynamics along Sky Island woody plant gradients: barometers of climate change and variability
P3	<b>Michele Cavanaugh, UA SNR</b>	Two-Site Comparison of Transpiration by <i>Larrea tridentata</i>
P4	<b>Greg Barron-Gafford, UA EEB</b>	Integrating measures of soil respiration across spatial and temporal scales along a woody plant encroachment gradient using traditional and innovative techniques
P5	<b>Jean McLain, USDA-ARS ALARC</b>	Using Real-Time Quantitative PCR to Examine the Dynamic Role of Soil Fungi in C and N Cycling of Rangeland Soils
P6	<b>Lisa Ebbs, HHMI-NMSU</b>	Spatial Patterns of Soil Organic Carbon and Total Nitrogen in Mesquite Coppice Dunes
P7	<b>Wade Leitner, BirdWorks LLC</b>	The Santa Cruz River Bird Monitoring Network
P8	<b>Julia Fonseca, Pima County</b>	Change in Wetland Cover, 1992-2001, Pima County, Arizona
P9	<b>Kimberly Franklin, UA SNR</b>	Effects of conversion of native rangeland to exotic grass pasture on ant assemblages in Sonora, Mexico
P10	<b>Ashley Shepherd, UA SNR</b>	Differences in Buffelgrass abundance between wash and upland habitats, Santa Rita Experimental Range

P11	<b>Averill Cate, UA SNR</b>	The Santa Rita Experimental Range Historic Study Area Database Search Application
P12	<b>Grey Nearing, UA ABE</b>	Likelihood calibration of a soil moisture model with radar backscatter to account for speckle
P13	<b>Eva Osmer, UA SNR</b>	Native grass characteristics within xeroriparian communities of the Barry M. Goldwater Range-East, Arizona
P14	<b>Chris McDonald, UA SNR</b>	Using a big tool box: Managing Lehmann lovegrass using multiple techniques
P15	<b>Lisa Benton, UA SNR</b>	Analysis of flowering in the repeat-blooming creosotebush ( <i>Larrea tridentata</i> ) using ground-based digital photography
P16	<b>Juan C Villegas, UA SNR</b>	Ecohydrological consequences of vegetation cover and seasonality: trends in soil evaporation from a mesquite-dominated gradient at Santa Rita Experimental Range
P17	<b>Daniel B. Hewins, NMSU</b>	An Exploration of Soil Movement Effects on Leaf Litter Decomposition in a Chihuahuan Desert Grassland
P18	<b>Viktor Polyakov, USDA-ARS SWRC</b>	Tracing sediment movement on semi-arid watershed using Rare Earth Elements
P19	<b>Anna Van Devender, UA SNR</b>	Does High Xylem Conductance Give <i>Prosopis velutina</i> an Advantage?
P20	<b>Steve Woods, UA SNR</b>	Precarious seedling establishment in <i>Larrea tridentata</i> : Soil moisture and a taproot elongation threshold

<p><b>RISE Organizing Committee:</b>  Mark Heitlinger, Mitch McClaran, Susan Moran  <a href="mailto:markh@Ag.arizona.edu">markh@Ag.arizona.edu</a>  <a href="mailto:mcclaran@u.arizona.edu">mcclaran@u.arizona.edu</a>  <a href="mailto:susan.moran@ars.usda.gov">susan.moran@ars.usda.gov</a></p>	<p><b>Undefined Acronyms:</b>  ABE: Agricultural and Bioscience Engineering  ARS: Agricultural Research Service  ASU: Arizona State University  EEB: Dept. of Ecology &amp; Evolutionary Biology  HHMI: Howard Hughes Medical Institute  USA-NPN: USA National Phenology Network  NMSU: New Mexico State University  OALS: Office of Arid Lands Studies  SOLS: School of Life Sciences  SNR: School of Natural Resources  SRER: Santa Rita Experimental Range  SWRC: Southwest Watershed Research Center  UA: University of Arizona  USDA: United States Department of Agriculture  USGS: United States Geological Survey  WGEW: Walnut Gulch Experimental Watershed</p>
--	--