

Agenda for August 20-21, 2013 Annual Meeting - Southern Sierra CZO

Tuesday, August 20 (Science highlights & plans)

- 1200** Working (catered) lunch – sandwiches
1245 Update on national CZO program for next 5 years & discussion -- Roger
1315 Goals of meeting & overall SSCZO directions for next 5 years -- Roger
1345 Science highlights, ideas & plans; each investigator/collaborator (3 min each plus questions)
Use 3 ppt slides: i) prior aims/methods, ii) recent results/findings, iii) proposed aims/methods

Roger Bales - Water balance, ET

Ryan Lucas - Constraining groundwater and ET fluxes in montane meadows

Martha Conklin - Meadows across the Sierra: extending knowledge from the CZO

Anne Kelly - Climate controls on ecosystem structure and function

Mike Goulden - Technical Documentation and User's Guide to the Community Land Model's Dynamic Global Vegetation Model

Peter Hartsough - Coupled Soil Tree Hydro-Dynamics

Toby O'Geen - Understanding systematic variability of soil properties and deep regolith in the Southern Sierra CZO

Sam Traina - Soils

Naomi Tague - RHESys modeling: Where we are, what we've learned

1425 short break

1435 Continue science highlights, ideas & plans

Max Moritz - Water budgets under scenarios of expanding shrublands

Eric Waller - Satellite observations of climate and vegetation water use over the Sierra Nevada

Tom Harmon/Steve Jepsen - Catchment Scale Streamflow Response to Climate Variability in the Rain-Snow Transition Zone of California's Sierra Nevada Mountains

Emma Aronson - Microbial dispersal: by wind or invasion?

Cliff Riebe - Drilling, sampling & imaging regolith

Roger Bales, Carlos Oroza (for Steve G) - wireless sensor network

Marilyn Fogel - Stable Isotope Ecology in the CZO

Emma McCorkle - Using stable isotopes to determine sources of eroded carbon

Matt Meadows - COSMOS & linking sensor networks

Erin Stacy - Growing our education and outreach program

1515 short break

1525 "Yes...you do need a permit!" - Matt Meadows with special guest Annette Lambert

- 1550** SSCZO questions & synthesis – from proposal Fig 3 - Naomi Tague
Items to cover in each: i) science/importance, ii) overlay w/ plans, iii) collaborators & opportunities, iv) gaps
- regolith properties & processes
 - physics/chemistry/biology & critical zone function
 - altered climate/biota
 - disturbance & regulation
 - measurements

1705 Open discussion

1730 Break for day

1830 Dinner at Sequoia Brewing Co., North location (Suite 107, 1188 E Champlain Dr, 6 mi north)

Agenda for August 20-21, 2013 Annual Meeting - Southern Sierra CZO

Wednesday, August 21 (Planning)

- 0830** Announcements, coffee & snacks
- 0845** Science highlights, ideas and plans from those who missed Tue
- 0900** Recap of prior day's discussion
- 0915** Cross-CZO & network opportunities (see agenda for all CZO PI meeting)
- 0930** SSCZO implementation plan
Items to cover in each: i) approach, ii) gaps, resource needs & opportunities, iii) cross-CZO opportunities
- a) Earth system modeling of SSCZO processes - Naomi Tague
 - b) Core measurements - Matt Meadows, Roger Bales
 - c) Data management - Matt Meadows, Erin Stacy
 - d) Drilling, sampling & imaging regolith - Cliff Riebe, Toby O'Geen
 - e) Weathering & regolith formation - Sam Traina, Toby O'Geen, Cliff Riebe
- 1050** short break
- 1100** Continue SSCZO implementation plan
- f) Elevation/climate & water/carbon exchange - Michael Goulden
 - g) Elevation/climate & nutrient cycling - Steve Hart
 - h) Forest management - Martha Conklin
 - i) Water management - Roger Bales
- 1220** Working lunch, catered sandwiches
- 1300** SSCZO programs, communications & leveraging
- a) SSCZO E & O program
 - b) PSW collaboration: science & logistics
 - c) NEON, AFRI, WSC and other programs
- 1415** short break
- 1430** resume
- d) CZO network responsibilities: program & science
 - e) SSCZO advisory committee, reporting & reviews
 - f) SSCZO communications & meetings
- 1545** Wrap-up discussion
- 1600** Break for day