**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 - RHESSys 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, ii) collaborators & opportunities, iv) gaps*

1. regolith properties & processes
2. physics/chemistry/biology & critical zone function
3. altered climate/biota
4. disturbance & regulation
5. 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)

**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*

1. Earth system modeling of SSCZO processes - Naomi Tague
2. Core measurements - Matt Meadows, Roger Bales
3. Data management - Matt Meadows, Erin Stacy
4. Drilling, sampling & imaging regolith - Cliff Riebe, Toby O'Geen
5. Weathering & regolith formation - Sam Traina, Toby O'Geen, Cliff Riebe

**1050** short break

**1100** Continue SSCZO implementation plan

1. Elevation/climate & water/carbon exchange - Michael Goulden
2. Elevation/climate & nutrient cycling - Steve Hart
3. Forest management - Martha Conklin
4. Water management - Roger Bales

**1220** Working lunch, catered sandwiches

**1300** SSCZO programs, communications & leveraging

1. SSCZO E & O program
2. PSW collaboration: science & logistics
3. NEON, AFRI, WSC and other programs

**1415** short break

**1430** resume

1. CZO network responsibilities: program & science
2. SSCZO advisory committee, reporting & reviews
3. SSCZO communications & meetings

**1545** Wrap-up discussion

**1600** Break for day