**Tuesday, August 20 (Science highlights & plans)**

**1200 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 + questions)**

*Use 3 ppt slides: i) prior aims/methods, ii) recent results/findings, iii) proposed aims/methods*

Roger Bales - Waterbalance & ET

Ryan Lucas - Constraining groundwater and evapotranspiration 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

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

Emma Aronson

**1430** short break

**1445** Continue science highlights, ideas & plans

Max Moritz/Eric Waller - Water budgets under scenarios of expanding shrublands

Roger Bales as a proxy for Glaser team - Wireless Sensor Network update

Cliff Riebe - Drilling, sampling & imaging regolith

Marilyn Fogel - Stable Isotope Ecology in the CZO

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

Xiande Meng - Managing data for access and digital safety in redundancy

Matt Meadows - Linking sensor networks within the SSCZO

Erin Stacy - Growing our education and outreach program

**1510** “Yes…you do need a permit!” - Matt Meadows with special guest Annette Lambert

**1540** SSCZO questions & synthesis – from proposal Fig 3 - Naomi Tague with Michael Goulden

*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

**1710** Open discussion

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

*Reservations have been made for Tuesday at 6:30 pm, roughly 25 people, with deposit*

**Wednesday, August 21 (PI planning discussion)**

**0830** Start, coffee/snacks

**0845** Recap of prior day’s discussion

Opportunity forSteve Glaser, Steve Hart to present 3 minute blasts if desired

**0915** Cross-CZO & network opportunities

**0930** SSCZO implementation plan – Roger Bales to present/lead

*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, Steve Glaser
3. Data management - Matt Meadows, Erin Stacy
4. Drilling, sampling & imaging regolith - Cliff Riebe
5. Weathering & regolith formation - Toby O'Geen

**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** Catered lunch – sandwiches

**1300** Follow-ups from Tuesday; Toby, Marilyn, Max?

**1330** SSCZO programs, communications & leveraging - Roger Bales

1. SSCZO E & O program - Erin Stacy
2. PSW collaboration – science & logistics - Roger Bales or Steve Hart
3. CZO network responsibilities – program & science - Roger Bales
4. SSCZO advisory committee, reporting & reviews - Roger Bales
5. SSCZO communications & meetings - Roger Bales

**1600** Wrap-up discussion