**Monday, August 4 (Science highlights & plans)**

**1200** Working (catered) lunch – sandwiches

**1245** Goals of meeting. SSCZO – year in review and directions for next 4 years -- Roger

**1305** Science highlights, ideas & plans; each investigator/collaborator

*Short summary i) past efforts, ii) recent results/findings, iii) proposed aims/methods*

*8 spots, 5 min each with some time for discussion*

- Toby O'Geen

- Pete Hartsough

- Carlos Oroza

- Zeshi Zheng

- Emma Aronson

- Steve Hart

- Ryan Lucas & Martha Conklin

- Roger Bales

- REU Students Alex Newman & Oby Offorjebe

- Frank Davis

- Matt Busse

**1505** short break

**1515** *8 spots, 5 min each with some time for discussion*

- Mike Goulden

- Eric Waller

- Naomi Tague (& Kyongho Son)

- Ryan Bart

- Carolyn Hunsaker

- Emma McCorkle

- Paige Kouba & Stacy Bogan

- Paige Austin

- Morgan Barnes

- Chelsea Carey

**1715** Open discussion \*\*

**1730** Short feedback;Break for day

**1830** Dinner – Catered food at Casa Meadows, 8525 N Richelle Ave, Fresno CA 93720

***\*\* Follow up on research questions – where do we stand one year in for our research questions?***

***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 measurements*

**Tuesday, August 5 (Planning)**

**0830** Announcements, coffee & snacks

**0845** Education and outreach summary, opportunities to get involved – Erin Stacy

**0900** Field Campaign – Summary and upcoming – new field manager

**0920** Recap of prior day's discussion

**0940** Cross-CZO initiatives, projects& network opportunities – Roger Bales

*20 min presentation, 60 minute discussion\*\* (see note above)*

* ***What controls CZ properties and processes?*** 
  + *How does the critical zone development depend on lithology and geologic legacy?*
  + *How does critical zone development vary with climate?*
  + *What is the role of microbes ~~deep~~ in the critical zone in mediating solute evolution of runoff water and carbon processing?*
  + *How does hillslope aspect, as it influences local climate, affect critical zone evolution and structure?*
* **What is response of CZ structure, stores, and fluxes to climate?**
* *Concentration-discharge relationships*
* *Soil-organic carbon relationships, both shallow & deep*
* *Fluxes across boundaries*

**1100** short break

**1115** Continue cross-CZO projects (that will be a focus @ All-Hands meeting)

* **What is response of CZ structure, stores and fluxes to land use change?**
* *Climate change & land-use/management effects*
* *How regolith affects vegetation*
* *Regolith influences on water & C through vegetation*
* *Fluxes across boundaries*
* **How can CZ understanding be used to enhance resilience and sustainability, and restore ecosystem function?**
* *Water resources*
* *Disturbance*
* *Ecological indicators*
* *Sustainability*

**1215** Working lunch, catered sandwiches

**1300** SSCZO programs, communications & leveraging

1. For AH, we will bring 1-2 posters on a topic (think more NatGeo map/infographic than research presentation) to facilitate discussion and cross-CZO ideas and give a sense of place, progress and plan – Need topics, volunteers *(Could be CZTope, Site selection, Drill the Ridge)*
2. PSW collaboration: science & logistics
3. NEON, 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; Feedback & check-in

**1600** Break for day

**1800 / Wednesday Morning** – Optional post-meeting focus group (not part of main meeting)

Ecohydrology, vegetation influence on water cycle

Please contact Mike Goulden or Naomi Tague if you wish to participate