

Delegation of scientists from China Geologic Survey (15 members) visits Oct 30 – Nov 3

Goals: to work with US researchers in the field/lab to understand the work process, methods, and equipment necessary to study the Critical Zone in Shale Hills.

Oct 30th:

9:00am – 12:00pm – Dr. Susan Brantley, Dr. Tao Wen (9 to 11, conversations about CZ science and the CZO...in 117 EES Building)

12:00pm - Dr. Wenjing Liu, Assoc Professor Institute of Geology and Geophysics, Chinese Academy of Sciences

1:00pm - 3:00pm, lunch downtown

4:00pm – Dr. Kathleen Lohse, Director of Reynolds Creek CZO, presents “**Improving prediction of soil carbon and fluxes at the plot to landscape scale**” in 107 Forest Resources Building.

6:00pm - Climate Justice Public Forum discusses “**The Consequences of a Changing Climate on Communities Around the World**” in Freeman Auditorium at the HUB

Oct 31st:

9:00am - 11am – Introduction to three case studies in China, 117 EES Building

11 am -1 pm Jing Wang will take them to Arboretum and lunch

1pm - 3 pm. Meet Eissenstat’s lab group 103 FRB.

3 pm - 4pm Jing Wang will take group around campus and to seminar in Deike Bldg

4:00pm – Dr. Daniella Rempe, Asst Professor of Geological Sciences, U Texas Austin, presents “**Direct measurements of water storage dynamics in Earth’s Critical Zone: the implications of rock moisture on geochemical and ecological processes**” in 22 Deike Building.

Nov 1st:

9:00am - 12pm – Dr. Xin Gu and Brandon Forsythe lead field trip to Shale Hills; Dr. Roman DiBiase leads group through Garner Run

12pm-1pm – will enjoy self-pack lunches

Dacheng will bring the group to 250 MRL

1-1:30 group overview presentation - Li Li

1:30 - 3 Dacheng, Wei, Hang,

3-4 Li lab and MRL tour

4-5 Dacheng escort to art museum or walk around campus (weather permits)

5:00pm - 7:00pm – CZO Social at Federal Taphouse (130 South Fraser Street, Suite 200), light hors d'oeuvres served and cash bar.

Nov 2nd:

8:30am - 9:30am – Dr. Tom Richard, PSIEE, presents to delegation - 117 EES Building

10:00am - ??? – Yuting, Dacheng. 117 EES building. Discuss model-data synthesis work (first describe the observations, and then show how they are being used to evaluate/ develop/ calibrate the modeling system).

EVERYONE ATTENDS: 12:20pm – 1:10pm – Gary Shenk, USGS, presents **“Stakeholder-Driven Nutrient Modeling for the Chesapeake Bay”** in 217 Forest Resources Building.

1:15pm- 3:00pm - lunch at creamery, HUB, or downtown

4:00pm - Dr. Alfonso Mejia - discussion on urban hydrology in 117 EES Building

Nov 3rd:

9:00am – 12:00pm – Dr. Henry Lin’s group (ASI 324), meeting on campus

12:00pm - 4:00pm – Dr. Henry Lin’s group, field trip to the SHCZO

9:00am-9:30am Group overview presentation – Dr. Li Guo

9:30am-10:00am Soil moisture dynamics and its link to root density and soil-landscape features – Qicheng Tang

10:00am-10:30am The role of microbial on the spatial organization of preferential flow – Dr. Xiaoqing Zong

10:30am-11:00am Linking catchment hydrology and landscape evolution on the Loess Plateau – Dr. Zhao Jin

11:00am-11:30am Applying the CZ concept on agriculture water management – Dr. Yichang Wei

11:30am-12:00pm Investigating the interplay between subsurface structures and subsurface hydrology in the SHCZO – Dr. Li Guo

12:00pm– 1:00pm Lunch break

1:00–3:00 pm Shale Hills

3:00 –5:00 pm Ganer Run + Cole Farm