



**2020 UTAH EARTHQUAKE WORKING GROUP MEETINGS  
BASIN AND RANGE PROVINCE EARTHQUAKE WORKING GROUP  
AGENDA**

**Wednesday, February 5, 2020**

**Utah Department of Natural Resources Building, Auditorium (1<sup>st</sup> floor)  
1594 West North Temple, Salt Lake City, Utah**

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- 8:00 Refreshments
- 8:30 Welcome and Overview of Meeting: Emily Kleber, Utah Geological Survey
- 8:45 Update on the U.S. Geological Survey (USGS) External Grants Program and Topics Across the Intermountain West Region: Ryan Gold, USGS Geologic Hazards Science Center

State Presentations on Technical Issues Facing the Basin and Range Province (15 minutes each)

- 9:00 Arizona – Jeri J. Young, Arizona Geological Survey
- 9:15 California – Gordon Seitz, California Geological Survey
- 9:30 Colorado – James McCalpin, GeoHaz Consulting
- 9:45 Break (30 minutes)
- 10:15 Idaho – Zach Lifton, Idaho Geological Survey
- 10:30 Montana – Mike Stickney, Montana Bureau of Mines and Geology
- 10:45 New Mexico – Daniel Koning, New Mexico Bureau of Geology and Mineral Resources
- 11:00 Nevada – Rich Koehler, Nevada Bureau of Mines and Geology
- 11:15 Wyoming – Seth Wittke, Wyoming Geological Survey
- 11:30 Utah – Emily Kleber, Utah Geological Survey
- 11:45 Upcoming Events in the IMW – Group Discussion
- 12:00 Working Lunch - register at <https://2020uewg.eventbrite.com> for on-site hot lunch).  
Short presentation focused on the scientific side of the Ridgecrest earthquake sequence, to prepare for the afternoon discussion – Gordon Seitz, California Geological Survey and others

Technical Presentations and Discussion

- 1:00 Fault Databases and Hazard Estimates – Ivan Wong, Lettis Consultants International, Inc.
- 1:15 Initial Paleoseismic Investigation of the Phillips Valley Fault – Mark Zellman, BGC Engineering Inc.

- 1:30 Source Fault Model Update for USGS 2023 National Seismic Hazard Model – Alex Hatem & Ryan Gold, USGS Geologic Hazards Science Center
- Overview of update process, which consists of three primary tasks: 1) create UCERF3-style database with separate fault and geologic site databases, 2) identify new data – external input needed, and 3) update fault network to better represent potential fault connectivity.
  - Timeline: New data submissions requested by May 29, 2020.
  - Discussion
- 2:30 Break (30 minutes)
- 3:00 Group Discussion – Ridgecrest Earthquake Response  
Panel: Gordon Seitz, California Geological Survey; Rich Koehler, UNR/NBMG; Chris DuRoss, USGS
- 4:00 Discussion – Basin and Range Province Earthquake Hazards Issues and Investigation Priorities
- Quaternary fault databases and cross-border Quaternary fault issues.
  - Coordination and funding opportunities for collaborative work on cross-border faults, lidar data collection, paleoseismic trenching, etc.
  - Input and planning for the February 1 – 5, 2021 Basin and Range Earthquake Summit (BRPSHSIV)
- 5:00 Adjourn

### **Working Group Members**

Steve Bowman	Utah Geological Survey
Chris DuRoss	U.S. Geological Survey, Earthquake Hazards Program
Ryan Gold	U.S. Geological Survey, Earthquake Hazards Program, Intermountain West Coordinator
Alex Hatem	U.S. Geological Survey, Earthquake Hazards Program
Adam Hiscock	Utah Geological Survey (BRPEWG UGS Liaison)
Emily Kleber	Utah Geological Survey (BRPEWG Chair)
Dan Koning	New Mexico Bureau of Geology and Mineral Resources
Rich Koehler	Nevada Bureau of Mines and Geology
Zach Lifton	Idaho Geological Survey
William Lund	Utah Geological Survey, Emeritus
James McCalpin	Geohaz Consulting, Inc.
Matt Morgan	Colorado Geological Survey
Gordon Seitz	California Geological Survey
Mike Stickney	Montana Bureau of Mines and Geology
Seth Wittke	Wyoming Geological Survey
Jeri J. Young	Arizona Geological Survey