



**2021 UTAH EARTHQUAKE WORKING GROUPS—  
2021 VIRTUAL BASIN AND RANGE PROVINCE EARTHQUAKE  
WORKING GROUP VIRTUAL MEETING AGENDA  
Tuesday, February 9, 2021**

**REGISTRATION - <https://2021brpewg.eventbrite.com>**

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The 2021 Utah Earthquake Working Group meetings will be occurring virtually due to the ongoing COVID-19 pandemic. The Basin and Range Province Earthquake Working Group (BRPEWG) meeting will occur virtually on Tuesday, February 9, 2021. This meeting is separated into a morning session with presentations, and two afternoon sessions with presentations and discussion. The format of this meeting will allow participants to attend the parts that are most relevant to them and provide flexibility with the virtual format.

**Morning Welcome (45 minutes)**

**9:00am -9:45 am (MST)**

- Welcome, Overview, Technical Overview, and Review of Last Year: Emily Kleber, Utah Geological Survey (10 minutes)
- Update from USGS (35 minutes)
  - Update from Chris DuRoss, Intermountain West Regional Coordinator, U.S. Geological Survey
  - Update on NSHM from Alex Hatem, U.S. Geological Survey
  - Q&A and discussion

**Morning Session: Recent Studies in the Basin and Range (1.5 hours)**

**10:00am -11:30 am (MST)**

General Basin and Range Earthquake Geology Updates— 5 minute “Lightning Talks” (max 3 slides)

- Arizona
- California
- Colorado
- Idaho
- Montana
- Nevada
- New Mexico
- Oregon
- Utah
- Wyoming
- Discussion

**Afternoon Session: IMW Earthquakes (2 hours)**  
**1:00pm – 3:00 pm (MST)**

Presentations (30 minutes each)

- Summary of the 18 March 2020, M 5.7 Magna, Utah Earthquake: Emily Kleber, Utah Geological Survey
- Summary of the 31 March 2020, M 6.5 Stanley, Idaho Earthquake: Zach Lifton, Idaho Geological Survey
- Summary of the 15 May 2020, M 6.5 Monte Cristo, Nevada Earthquake: Rich Koehler, Nevada Bureau of Mines and Geology/University of Nevada, Reno

Group Discussion (30 minutes)

- Open discussion (some ideas below)
  - Scientific response
    - State survey and USGS response process
  - Seismic hazard and geologic record of moderate-magnitude earthquakes (i.e., no scarps)
    - Moderate earthquakes in NSHM as sources?
  - Ideas or continued discussion from presentation Q&A

**Afternoon Session: IMW Earthquakes (cont.) and Working Group 2022 Priorities (1 hour)**  
**3:30pm – 4:30 pm (MST)**

Group Discussion

- Earthquake clearinghouses
- Fault databases
- Working group priorities for 2022

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