

**2024 Montana Geohazards Workshop – May 1-2, 2024 in Missoula**  
[Emergency Operations Center \(EOC\), 140 N Russell St, Missoula, MT](#)

**AGENDA**

**Day 1, Wednesday May 1, 2024**

**9:30-10:00am. Welcoming Remarks, Roundtable Introduction**

John LaFave, Research Division Chief, Professor (MBMG)

Yann Gavillot, Research Geologist, Associate Professor, Geohazards Program (MBMG)

Mike Stickney, Geologist, Professor, Director of Earthquake Studies Office (MBMG)

**10:00-12:00 pm. Geohazards research and monitoring in Montana**

Speakers [15 min each]:

**Yann Gavillot** (MBMG) Fault and landslide investigations in southwest and western Montana.

**Mike Stickney** (MBMG) Montana Regional Seismic Network and recent seismicity.

**John Sanford** (MBMG) MBMG GIS Hub Site overview and subsurface fault mapping.

**Hilary Martens** (UM) Updates on the University of Montana Seismic Network and on Water-Resource Monitoring in the Western United States

**Becks Bendick** (EarthScope) Overview of the EarthScope Consortium and GPS/GNSS network in Montana.

**Robb Moss** (CalPoly) Living with seismic hazards – lessons learned, challenges, and outlook for communities and infrastructure in Montana.

Discussion: 30 min

Moderators: (MBMG)

**12:00-1:00pm. Lunch Break**

**1:00-3:00 pm. Presentations and updates from agencies across Montana**

Speakers [5-15 min each]:

**Andrew Long** (MT-DES)

**Jeff Jackson** (Montana Department of Transportation)

**Jeff Blend** (MT-DEQ)

**Troy Blandford** (Montana State Library)

**Sean McGowan/Michael Sawyer** (FEMA)

**Matt Wanger** (Resilience Action Partners)

**Anna Lang** (Zylient, Inc)

Discussion: 30 min

Moderators: (MBMG)

**3:00-3:15pm. Break**

3:15-5:00pm. **Earthquake Hazards for the Bitterroot Valley and Missoula metropolitan area.**

Speakers [15 min each]:

**Yann Gavillot** (MBMG) Recent results from Bitterroot fault earthquake hazards studies in geological mapping, slip rates, and prehistoric earthquakes.

**Robb Moss** (CalPoly) Preliminary results for probabilistic fault displacement hazards mapping in the Bitterroot Valley.

**Sean McGowan/Mike Stickney** (FEMA/MBMG) Overview of new update to the *HAZUS* Model for Bitterroot Valley and Missoula.

**Missoula DES office:** Mitigation and Disaster Planning Strategies for the city of Missoula and Bitterroot Valley.

Discussion: 45 min

Moderators: (MBMG)

5:00 pm. **Adjourn day 1**

TBA. **Evening social event**

## **Day 2. Thursday May 2, 2024**

9:30-11:30pm. **Inception Meeting of the Montana Earthquake Working Group (MEWG)**

- LOI signed from stakeholders
- Review organization chart and roles from members
- Draft white paper on mission statement and objectives.
- Plan for webpage and recurring virtual meetings.
- Plans for Montana Seismic Safety Commission(?) and State Legislature in 2025

Discussion: 2 hours

Moderators: (MBMG)

11:30-12:00pm. **Panel Discussion on collaborative projects and future plans.**

- Table-top earthquake exercise
- Drafting Earthquake Clearinghouse Plan
- Building an inventory of sensitive/URM buildings.
- 2025 Montana Geohazards Workshop

12:00-1:00 pm. **Lunch**

1:00-5:00 pm **Half Day Field Trip (optional; more info to come)**