



EARTHQUAKE SUMMIT 2022

**THURSDAY, MARCH 3
SAINT LOUIS SCIENCE CENTER**

#MOQUAKE2022

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EARTHQUAKE SUMMIT 2022

Thursday, March 3

Saint Louis Science Center | 5050 Oakland Ave

7:30 Registration Opens

8:30 Welcoming Remarks

Hosted by:

Jeff Briggs, Earthquake Program Manager
Missouri State Emergency Management Agency

Andrea Durham, Chief Officer for Science and Education
Saint Louis Science Center

Andrea Spillars, Administrator
FEMA Region 7

Daryl Sorrell, Chair
Missouri Seismic Safety Commission

8:45 Earthquake Hazards in the Central U.S.

Thomas Pratt, PhD, Research Geophysicist, Central and Eastern U.S. Coordinator
U.S. Geological Survey Earthquake Hazards Program

A look at the geology, seismicity and earthquake hazards of the Central U.S., including the New Madrid and Wabash Valley seismic zones.

9:30 Joint New Madrid Seismic Zone Plan: Evacuation and Mass Care

Elizabeth Weyrauch, Preparedness Division Manager
Missouri State Emergency Management Agency

Matthew Clutter, Operational Planner
Federal Emergency Management Agency

The state of Missouri and FEMA Region 7 completed an update of the Joint New Madrid Seismic Zone Interagency Operations Plan in September 2021. This update features an addition of an annex focused on evacuation and mass care.

10:00 Break

10:15 New Madrid Seismic Event Transportation Planning and Response Tools

David Wald, PhD, Research Geologist, Earthquake Hazards
U.S. Geological Survey

Chris Engelbrecht, Asst. to the Chief Safety and Operations Officer
Missouri Department of Transportation

Michael White, Emergency Management Coordinator

Missouri Department of Transportation

MoDOT is developing several tools to support transportation planning and response to a New Madrid Seismic Zone event. We will discuss MoDOT's evacuation and response priority routes, the ShakeCast Earthquake Risk Management and Response tool, and a new project to model ingress and egress routes when transportation infrastructure routes are damaged.

11:00 How St. Louis Community Organizations Support Earthquake Response and Recovery

Sam Peterson, Moderator, MPA, CEM, Public Safety Manager
St. Louis Area Regional Response System (STARRS)

Ben Perrin, Vice-Chair
Missouri Voluntary Organizations Active in Disaster (VOAD)

Martin Rueter, Divisional Director of Emergency Disaster Services
The Salvation Army – Midland Division

Tom Busk, Regional Mass Care Program Lead
American Red Cross of Missouri and Arkansas

Saroja Schwager, Disaster Training and Exercise Coordinator
AmeriCorps St. Louis

A major earthquake could leave St. Louis communities without access to food, water, communications, housing and other key resources and critical infrastructure. During this session we will hear from several St. Louis community organizations that work together during disaster response and recovery.

12:00 Lunch

During lunch, Performance 12:30 at the Energy Stage -- Our Changing Earth:
As climate change progresses, it is important to understand how human activity is changing our planet's atmosphere — in this demonstration focused on physics, our educators will shed some (infrared) light on these processes.

1:00 Will Your Business Survive? Apply Business Continuity Principles

Dianna Havner Bryant, PhD, CIH, CSP, Institute of Rural Emergency Management
University of Central Missouri

What is essential to your business operation? Build business resilience before the crisis. Strengthen the network of organizations crucial to business recovery. Train and support employees to maintain continuity of operations.

1:30 A Wicked Problem: Consumer Research Helps Build the Foundation for Data Driven Earthquake Insurance Communications

Lori Croy, Director of Communications
Missouri Department of Commerce and Insurance

Lisa Groshong, Communication Research Scientist
National Association of Insurance Commissioners (NAIC)
Center for Insurance Policy Research

Brian Houston, Director
University of Missouri Disaster and Community Preparedness Center

Missouri is the third largest earthquake insurance market, exceeded only by California and Washington. Yet few Missourians are aware of the state's largest natural hazard risk, and even fewer have earthquake insurance. This presents a "wicked problem." Three agencies have collaborated to research what Missourians do and don't understand about earthquake risks and insurance. Hear the insights gained during this project.

2:00 Missouri's SAVE Coalition: Rapid Building Evaluations after a Disaster

Ben Ross, Board Member
SAVE Coalition

More than 1,000 volunteer structural experts are trained and ready to assist after a disaster as members of Missouri's Structural Assessment and Visual Evaluation (SAVE) Coalition. Learn how the coalition operates, how local officials can request assistance after a disaster, and where it has successfully been deployed, such as the 2011 Joplin tornado.

2:30 Break

During break, Performance 2:45 at the Energy Stage -- Extreme Weather:
Come to the stage to learn how massive lightning storms, devastating tornadoes, hazardous earthquakes, and dangerous icy conditions form in this explosive demonstration!

3:00 Communicating Teamwork: Joint Information and Earthquake Response

Jessica Sexton, MPIO, Asst. Emergency Management Director
Cape Girardeau Fire Department

Building relationships before disaster strikes is important to all emergency management personnel. But have you considered which community partners can help you effectively respond through communication and information sharing? Learn how to effectively use the joint information system in your community – at any level of government – and how it relates to earthquake response.

3:45 University of Missouri Extension's Resources for Emergency Readiness

Conne Burnham, Emergency Management Coordinator
University of Missouri Extension

MU Extension has a presence in every county in Missouri, and offers many support services and resources to help communities prepare for, and respond to, a disaster. This now includes a new federal program providing earthquake-specific guidance and resources.