

# USGS Workshop on Seismic Directivity: Implementation within the National Seismic Hazard Model

October 28-29, 2021

Mountain Standard Time: 10am-12:30pm (Day 1) & 10am-12:30pm (Day 2)

Time, MST	Topic(s)	Speaker(s)
10:00-10:15	<b>Day 1: Introduction</b> <ul style="list-style-type: none"> <li>• Welcome and Logistics (5min)</li> <li>• 2023 NSHM Plan and beyond (5min)</li> <li>• Workshop Goals and Agenda (5min)</li> </ul>	Withers/Shumway Petersen Withers
10:15-11:45	<b>Day 1: Overview of Seismic Directivity Models</b> <ul style="list-style-type: none"> <li>• Overview of Bayless Model (12min + 3 min QA)</li> <li>• Overview of Rowshandel Model (12min + 3 min QA)</li> <li>• Overview of Chiou/Spudich Model (12min + 3 min QA)</li> <li>• Quick 5-minute break</li> <li>• Overview of Shahi/Baker Model (12min + 3 min QA)</li> <li>• Overview of Dabaghi Model (12min + 3 min QA)</li> </ul> <i>Q&amp;A, Discussions (10min)</i>	Bayless Rowshandel Chiou  Baker Dabaghi All
11:45-12:30	<b>Day 1: Directivity Model Implementations</b> <ul style="list-style-type: none"> <li>• Median and Aleatory Description (12min + 3 min QA)</li> <li>• Modelling Complex Faulting Events (12min + 3 min QA)</li> </ul> <i>Q&amp;A, Discussions (15min)</i>	Watson Gregor/ Al Atik All
October 29, Day 2		
10:00-10:45	<b>Day 2: PSHA Directivity Implementation</b> <ul style="list-style-type: none"> <li>• Recap of Day 1 and Implementation Issues (5min)</li> <li>• Possible Implementation Strategies (12min + 3 min QA)</li> <li>• New Zealand Approach (12min + 3 min QA)</li> </ul> <i>Q&amp;A, Discussions (10min)</i>	Withers Stewart Weatherill All
10:45-11:30	<b>Day 2: USGS NSHM Implementation</b> <ul style="list-style-type: none"> <li>• USGS Efforts (in Progress) (15min)</li> <li>• NSHM Directivity Discussion (10min)</li> <li>• Quick 5-minute break</li> </ul> Group Discussion + Talking Points (15min)	Withers USGS Working Group  All
11:30-12:15	<b>Day 2: Future Directions</b> <ul style="list-style-type: none"> <li>• Ramifications for ShakeMap (5min)</li> <li>• Improving Directivity Models with RSQSim (5min)</li> <li>• CyberShake/Synthetic Ground Motions (5min)</li> <li>• M9 Simulations (5min)</li> <li>• Early Warning Application (5min)</li> <li>• Group Discussion Talking Points (20min)</li> </ul>	Wald/Thompson/Worden Field/Milner Withers Frankel Parker All
12:15-12:30	<b>Day 2: Final Remarks</b> <i>Any other models, issues, etc... that USGS should consider for implementation of Seismic Directivity NSHM?</i>	All

Microsoft Teams meeting : **Join on your computer or mobile app** [Click here to join the meeting](#)

**Or call in (audio only)** [+1 719-733-3211](tel:+17197333211) (Conference ID: 452 053 014#)