

May 2006 IMW Workshop on National Seismic Hazard Maps
Final Agenda -5/25/06

Location: Engineering Conference Center, University of Nevada, Reno

May 31st, Seismic source issues, Day 1

8:00-8:30 Overview:

Welcome and Overview of scientific issues: why we are here? (Petersen)

8:30-9:30 Recommendations of the Basin and Range Province Earthquake Working Group in the 2007 NSHMs (Lund)

9:30-10:30 Discussion on working group recommendations (Petersen and Lund moderator)

10:30-10:45 Break

10:45-12:00 Geological input (Haller moderator):

Utah faults in the 2007 NSHMs (Lund, 15 min)

California faults (Lake Tahoe faults, Seitz and Kent, 20 min)

New fault slip data from Nevada (Wesnousky, 20 min)

Nevada faults and uncertainties (dePolo, 20 min)

Lunch 12:00 pm – 1:20 pm

1:20-2:30 Geological input (continue)

Potential faults update in the 2007 NSHMs (Haller, 10 min)

Other faults (Idaho, Wyoming, Montana, Colorado, New Mexico, Arizona) and discussion on geologic input (60 min)

2:30-3:10 Geodetic input (Zeng moderator):

WUS Strain maps, where are we? (Zeng, 20 min)

GPS measurement in the Basin and Range region (Hammond/Kreemer, 20 min)

3:10-3:30 Break

3:30-4:20 Geodetic input (continue):

Wasatch GPS measurement (Smith/Wu-Lung, 20 min)

Shear zones and comparison of hazard maps (GPS, Geology, Seismicity) (Su, 20 min)

Discussion on geodetic input (10 min)

4:20-5:00 Seismicity input (Ken Smith moderator):

New Basin and Range earthquake catalog (Pancha/Ken Smith, 20 min)

Discussion on seismicity (20 min)

5:00-5:30 General discussion on sources (Petersen moderator)

5:30 Adjourn for Dinner

June 1st, Attenuation and Engineering issues, Day 2

8:00-10:00 Attenuation relation for the IMW region (Anderson moderator)

How should IMW attenuation relations differ from CA relations? (Anderson/Brune, 30 min)

New Attenuation Relations (90 min)

1. Next Generation Attenuation relations (summary) and normal faulting relations for the IMW (Campbell, 50 min)
2. Impact of NGA normal fault relations on the hazard maps (Petersen, 15 min)
3. Other relations (Ivan Wong 15 min)
4. Rocky Mountain attenuation property (Frankel, 10 min)

10:00-10:15 Break

Work in progress attenuation relations (30 min)

1. New URS relations (Ichinose, 15 min)
2. New USGS relations (Zeng, 15 min)

10:45-11:20 General Discussion on Relations and Weights (Petersen and Frankel)

11:20-12:00 Engineering Issues (Luco moderator)

- Building code issues in Nevada (Ron Lynn, 20 min)
- Building code issues in Utah (Barry Welliver, 20 min)

12:00-1:00 Lunch (1hour)

1:00-2:30 Engineering Issues (continue)

- Engineering practice issues in Reno (Mike Blakely, 20 min)
- Geotechnical engineering issues (Siddharthan, 20 min)
- Seismic design map issues: (Luco) (30 min)
- Discussion on the engineering issues (20 min)

2:30-3:05 Discussion of scenarios, urban hazard maps, community velocity models (shallow and deep) (Christenson moderator, 80 min)

- Developing a community velocity model and urban seismic hazard maps for the Wasatch Front, Utah (Gary Christenson, 20 min)
- Nevada-wide community velocity models (Preston/Louie/Snelson, 15 min)

3:05-3:20 Break

- Seismic Zonation (Louie/Scott/Pancha/Biasi/Anooshehpour, 15 min)
- LV Urban hazard maps (B. Luke/Q. Su, 15 min)
- Overview of URS hazard maps for the Rio Grande rift, Montana, and the central Wasatch Front (Ivan Wong, 15 min)

4:05-4:30 Workshop Summary (Mark Petersen)