

Discussion:

All attendees are invited to speak or show a maximum of three slides on each of the following topics. We also welcome discussions on other topics not listed below.

- Implementation of directivity models
- Are the NGA-W2 GMPEs appropriate for WUS locations outside CA?
- Transition region between East & West
- Directionality issues
- One standard GMPE model?
- Future Map Needs
- ...

Purpose of Workshop

- Any other GMPEs?
- Which published GMPEs should we use in 2014 update?
- How should we weight the models?
 - Parameters
 - Residuals
 - Extrapolation
 - Expert opinion

Directivity

Implementation of directivity models:

NGA-W2 Outside CA

Are the NGA-W2 GMPEs appropriate for WUS locations outside CA?

Transition Region between East & West

- Ivan Wang
- Chuck Muller?

Directionality Issues

- GeoMean, GMRotI50, RotD50, RotD100
- Dave Boore
- Jack Baker presentation

One Standard GMPE

- Advantages and disadvantages of having one standard GMPE model (i.e., a statistical model that is a combination of all others.)
 - Backbone model? Representative model.
- Norm Abrahamson? Gail Atkinson?
- Yousef Bozorgnia

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- Hybrid Empirical
 - Ken Campbell
 - Normal faults:
 - John Anderson
 - Hongjun Si
 - About GK bump
 - Ronnie Kama

Future Map Needs

- Maps for the vertical ground motion
 - Maps for damping ratios other than 5%
 - Maps for V_{s30} other than 760m/s
 - Maps for inelastic response spectrum
 - Maps for PGV
 - Maps for single station sigma
 - Urban hazard maps
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- Yousef Bozorgnia
 - Jim Marrone
 - Su Hau (engineering issues)

Future Map Needs: Vs30

We consider applications beyond building codes. How should we develop models for Vs30=760m/s and other NEHRP categories?