

# SSHAC WS 3C – Day 1

## Summary notes

TI team

- Distance extensions
  - For SP15, consider using the raw Rrup data or have the developers refit in terms of Rrup (avoid Rjb conversions)

- Continuous distributions of GMMs
  - How to address the tail issue (ignoring points outside the ellipse)?
    - Consider extending exterior ring to infinity
    - Try to quantify the effect of ignoring those points
    - See if sampling from seed models as mean compensate for this effect
  - Check final actual variance achieved by modeling the variance and starting from each GMM shape.
- Sammon's maps
  - Sensitivity on M, R pairs: consider comparing marginal distributions for each case ("NGA-East", "all", "deaggregation"), instead of plots with M and R

- Median model weights
  - Consider plotting weights on the ellipse itself, instead of by model number (symbol size or bars)
  - Consider using the posterior distribution (prior\*likelihood)?
  - Show/compile final weights for sharing