NGA-East SSHAC Workshop 3C Introduction – see yesterday's slides for the complete intro

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The NGA-East Project

A science/development phase
AND a SSHAC Level 3 project
Objective – to develop GMC model:

- Ground-Motion Models (GMMs)/GMPEs
  - Median
  - Standard Deviation "Sigma" (aleatory variability)
- Logic trees (epistemic uncertainty)
- For:
  - Average horizontal ground motions (5%-damped PSA for *f*=0.1-100Hz), for
  - Hard rock sites (V_S=3000 m/s, κ=0.006 s) located up to 1,200 km from
  - Future earthquakes in CENA **M**4.0-8.2

NGA-East – a hybrid project

- Multi-disciplinary **science** project with working groups focused on specific research tasks
- **SSHAC** Level 3 project for evaluation and integration of ground-motion models

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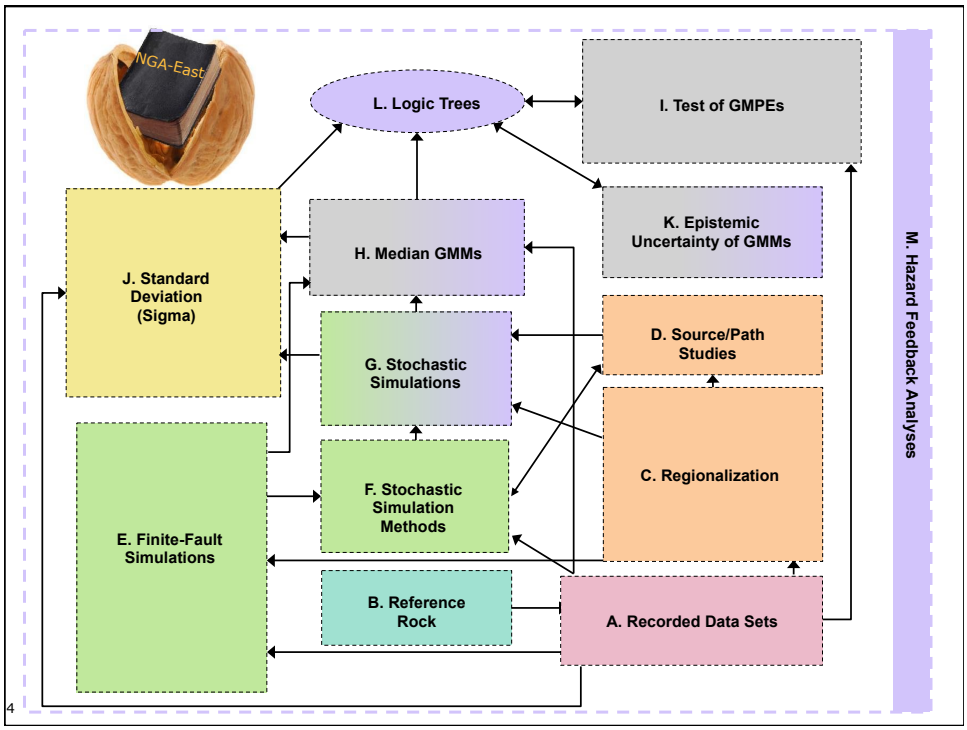

Goals of SSHAC process

To carry out properly and document completely the activities of evaluation and integration

- **Evaluation**: The consideration of the complete set of data, models, and methods proposed by the larger technical community that are relevant to the hazard analysis.
- **Integration**: Representing the center, body, and range of technically defensible interpretations in light of the evaluation process (**CBR of the TDIs**).

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This is a formal SSHAC workshop!

- presenters show results from **collective work**
- interactions are structured: **Resource** and **Proponent Experts** and **PPRP** can participate in the discussions
- members of public can attend workshop as **Observers**
- comments from Observers are made possible at the **end of the day,** as time allows
- comments on workshop issues can be provided in writing: goulet@berkeley.edu
- recorded, to be posted as part of the SSHAC documentation
  - Use the microphone
  - Use the ReadyTalk chat window to contact us

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Agenda overview

- Day 1 Wednesday
  - Median ground motions
  - Standard deviation of ground motions
- Day 2 Thursday
  - Hazard feedback analyses
  - Adjustment to median models
    - Gulf Coast/Mississippi Embayment region
    - Source-depth effects
    - Hanging-wall effects
  - Summary of everything...