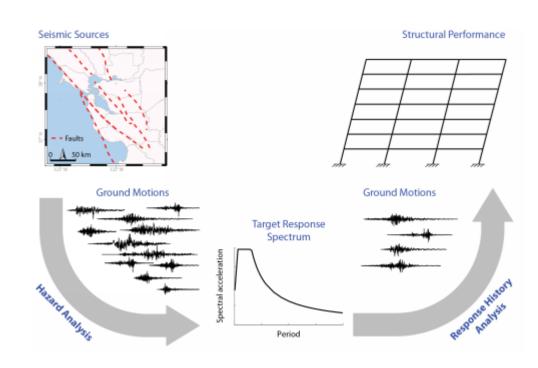
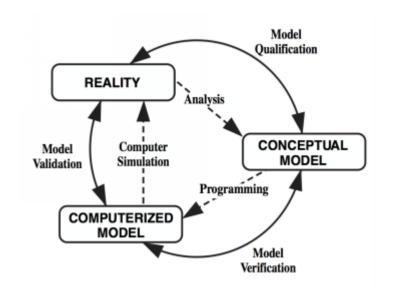
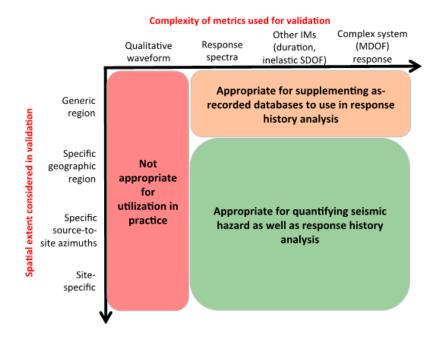
- Report is complete
- Paper submitted to Earthquake Spectra earthquake engineering practice paper
- (https://dl.dropboxusercontent.com/u/35408783/ Bradley_GuidanceUtilisationGmSimulationsEngPra ctice_Eqs_2016_submitted.pdf)
- Key components
 - Overview of key ground motion simulation ingredients
 - Ground motion features of relevance for engineering objectives
 - Use of simulations for hazard analysis or response



- Ground motion features of relevance for engineering objectives cont...
 - Use of simulations for hazard analysis or response history analysis
 - Multi-component and multi-site ground motions
 - Relevant IMS and usable frequency range of simulations
 - Treatment of uncertainties
- Recommended Documentation



A graphical matrix for ground motion simulation validation



- Validation metrics and 'pass' criteria
- Explicit consideration of uncertainties

- Utilization documentation checklist and summary
 - This will depend on regulatory context...NZ example is in the report
- Finally, an example application for GM simulation of Alpine Fault earthquakes on the Canterbury Plains

