

Panel 5

Tsunami Flooding

- **Overall approach**
  - Follow PSHA example
  - Lock experts in a room
  - Develop appropriate input maps, analogous to those used in PSHA
- **Data needs**
  - Source earthquake data
  - Landslide, basic data
- **Physical processes and modeling**
  - Better incorporation of inundation; deal with non-linearity and coupling
  - Better understanding needed for landslide-induced tsunamis
  - Propagation up rivers

# Other Points

- **Japanese approach - Clarification**
  - Their PTHA is really a sensitivity study
  - The Tohoku earthquake, while it had unusual features, falls within  $2\sigma$
- **Surge versus tsunami comparison, especially on east coast**
  - Storm surge is higher, but tsunamis have more momentum (for damage)