

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 2σ
- **Surge versus tsunami comparison, especially on east coast**
 - Storm surge is higher, but tsunamis have more momentum (for damage)