## 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 nonlinearity 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 is 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)