

# Workshop Tasks

- Group 1 – What is the annual hazard loss within the U.S.A. according to Mileti?
- Group 2 – What are three key variations in the distributions of hazards among the 50 states?
- Group 3 – According to Mileti, there are several types of disaster impacts; specify three and provide two illustrations of each.
- Group 4 – What are three issues or problems in the measurement of hazard losses?

# Session Overview

- Workshop Exercise
- Annual Losses
- State Variations
- 12 Forms of Hazard Loss
- Major Natural Disasters
- Measures of Disaster Intensity
- Major Technological Disasters
- Major Conflict Related Disasters
- Types of Impacts
- Measurement Problems

# 17 Types of Hazard

- Drought and Dust Storm
- Earthquake
- Extreme Cold
- Flood
- Fog
- Hail
- Heat
- Hurricane and Tropical Storm
- Ice, Sleet and Snow
- Landslide, Subsidence, and Expansive Soils
- Lightning
- Snow Avalanche
- Tornado
- Tsunami (Tidal Wave)
- Volcano
- Wildfire
- Wind

Source: Adapted from Dennis S. Mileti. 1999. *Disaster By Design: A Reassessment of Natural Hazards in the United States*. Washington, D.C.: Joseph Henry Press, pp. 69-90.

# Four Types of Disaster Impacts

- Individual
- Economic
- Social
- Institutional

Source: Adapted from Dennis S. Mileti. 1999. *Disasters By Design: A Reassessment of Natural Hazards in the United States*. Washington, D.C.: Joseph Henry Press, pp. 90-94.

# Four Issues In Loss Measurement

- Assigning Values to Losses
- Measuring Losses
- Direct vs. Indirect Damage
- Interpretation of Loss Measures

Source: Dennis S. Mileti. 1999. *Disasters By Design: A Reassessment of Natural Hazards in the United States*. Washington, D.C.: Joseph Henry Press, pp.96-100.