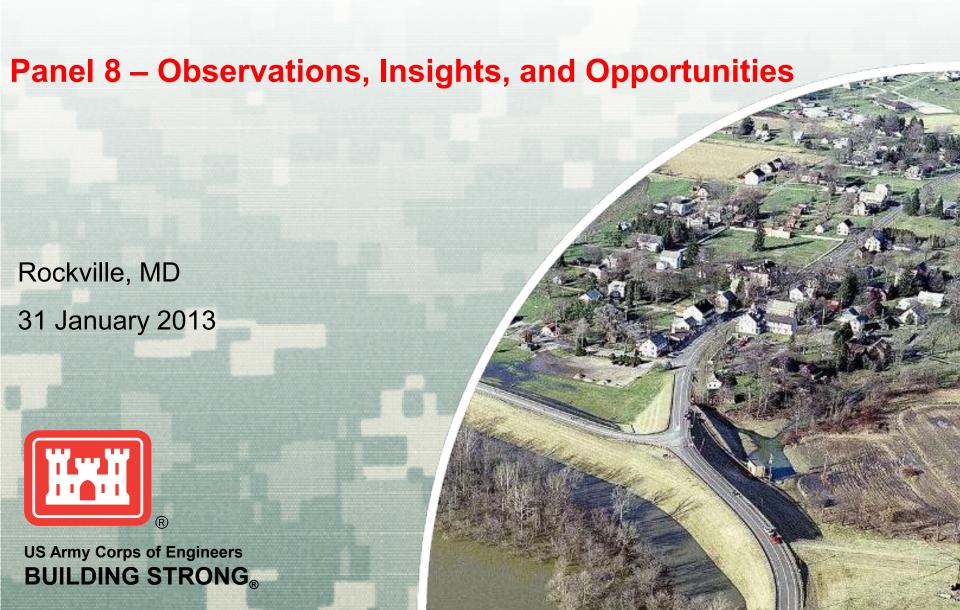
Probabilistic Flood Hazard Assessment



Panel 8

- Respect the past while looking forward toward the future
- Hang ups to address Some are not technical
- Don't miss or double count the important uncertainties even if they cannot be quantified



Panel 8

- Large contribution from combinations of less than extreme events
- Scalable and flexible methods Challenge the existing guidance and methods
- In hindsight we often realize what we could have known



Risk Informed is a Process, Not A Calculation

- Gather
 - Evidence using multiple sources and methods
- Apply
 - ► Art, science, critical thinking, judgment
- Improve
 - Knowledge, understanding

- Inform
 - ► Credible decisions
- Communicate



Truth

- In our quest for the truth, we are very good at making many assumptions that allow us to precisely calculate things that are very uncertain
- In theory there is no difference between theory and practice. In practice there is. (Berra)



Paradigm Shift

Follow the Guideline — Imagine

Meet the Standard — Make the Case

Estimate Things Right





Data + Imagination

