

Mitigating the Effects of Natural Hazards

Challenges

- Understand Underlying Processes
- Quality, Quantity, & Uncertainty of Info for RV Assessments and Communications
- Comprehensive Mitigation Plans
- Communicate National Urgency

Expected Outcomes

- Communicate Risk in a Timely Manner
- Increased Capacity to Anticipate & Mitigate
- Enhanced Protection of People & Property
- Market-Based Approaches

Priority Research Needs

- Improved Communication Tools
- Hi-Res Coupled Models & Data Schemes
- Decision Support Tools
- Timely Post-Haz Impact Assessment
- Market Based Approaches

Infrastructure/Tech Needs

- End-to-End Operational Systems
 - Across Watershed-Coastal Interface
- Human Capital
- Enhanced Support for Facilities
- Distributed Access to HPC
- Resilient Materials & Technologies

General Recommendations

- Human Dimension as a New Cross-Cutting Theme
- Mitigation of Coastal Hazards
Contributes to Mitigation of Adverse Climate Impacts and Ecosystem and Human Health Concerns