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Innovative Risk Assessment Methodologies at the Campus Level

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Innovative Risk Assessment Methodologies at the Campus Level

Prepared for Disaster Resistant University Workshop
February 16, 2011

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Overview

- **Challenges of the campus environment**
- **Advantages of the campus environment**
- **Special Considerations**
- **Building categorization and prioritization**
- **Innovative risk assessment**
- **Stakeholder involvement**

Challenges of the campus environment

- **Data limitations**
 - National data sets
 - Census boundaries
- **Temporary population**
 - Range of geographic backgrounds
 - Challenges of public education
- **Off campus students**
 - Responsibility beyond the campus?
- **Multiple Populations**
 - Staff, Faculty, Students...

Advantages of the campus environment

- **Access to various experts**
- **Smaller study area**
- **Connection to research community**
- **Students**
- **Campus specific data**
- **Universities know how to:**
 - **Teach**
 - **Research**

Special Considerations

- **Research**
- **Special collections and archives**
- **University mission**
- **Multiple campuses across multiple geographies**
- **Revenue streams**
- **Legal Concerns**
- **Perception of the University**
- **Relationship with municipalities, counties, etc**

Building categorization and prioritization

- Which buildings serve unique functions?
 - Which functions can be easily relocated?
 - Which buildings can you least afford to lose?
 - Which buildings house vulnerable populations?
-
- **BUT, IT'S NOT JUST ABOUT BUILDINGS**
 - People, mission, community, infrastructure, research, etc.

Innovative risk assessment

- **Adapt to the level of data available**
- **Use all tools available**
 - HAZUS boundary files
 - Local mitigation plans
 - Building modeling
- **Qualitative Risk Assessment**
 - Probability
 - Potential impact
 - Level of preparedness

Stakeholder involvement

- **Risk Assessment Workshop**
- **Student Survey**
- **Faculty Survey**
- **Staff Survey**
- **Off campus stakeholders**

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