

Assessing Your Community's Vulnerability and Resilience

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Agenda

Overview of the Community Resilience and Vulnerability Assessment Toolkit (CRVAT)

Breakout Groups – Discuss the following topics:

- CRVAT content
- Partnerships
- User Requirements
- Services

Breakout group report out and group discussion

Wrap up, next steps

Community Resilience and Vulnerability Assessment Toolkit

Community-based process for assessing risks, vulnerabilities, and capacities

CRVAT will help communities work through a process to answer these questions

- **What are my risk from hazards?**
- **How vulnerable are the exposed?**
- **What capacities do we have to lessen the vulnerabilities?**
- **How do we adapt to and plan for future conditions?**



Background and History

Drivers

- Heinz Center Panel on Risk
- FEMA Project Impact

Outcome

- CVAT Methodology developed in New Hanover County, NC

Opportunity to meet needs

- Disaster Mitigation Act of 2000



CVAT to CRVAT

- **Enhancing current methodology**
- **Building new analysis tools**

Enhancements include

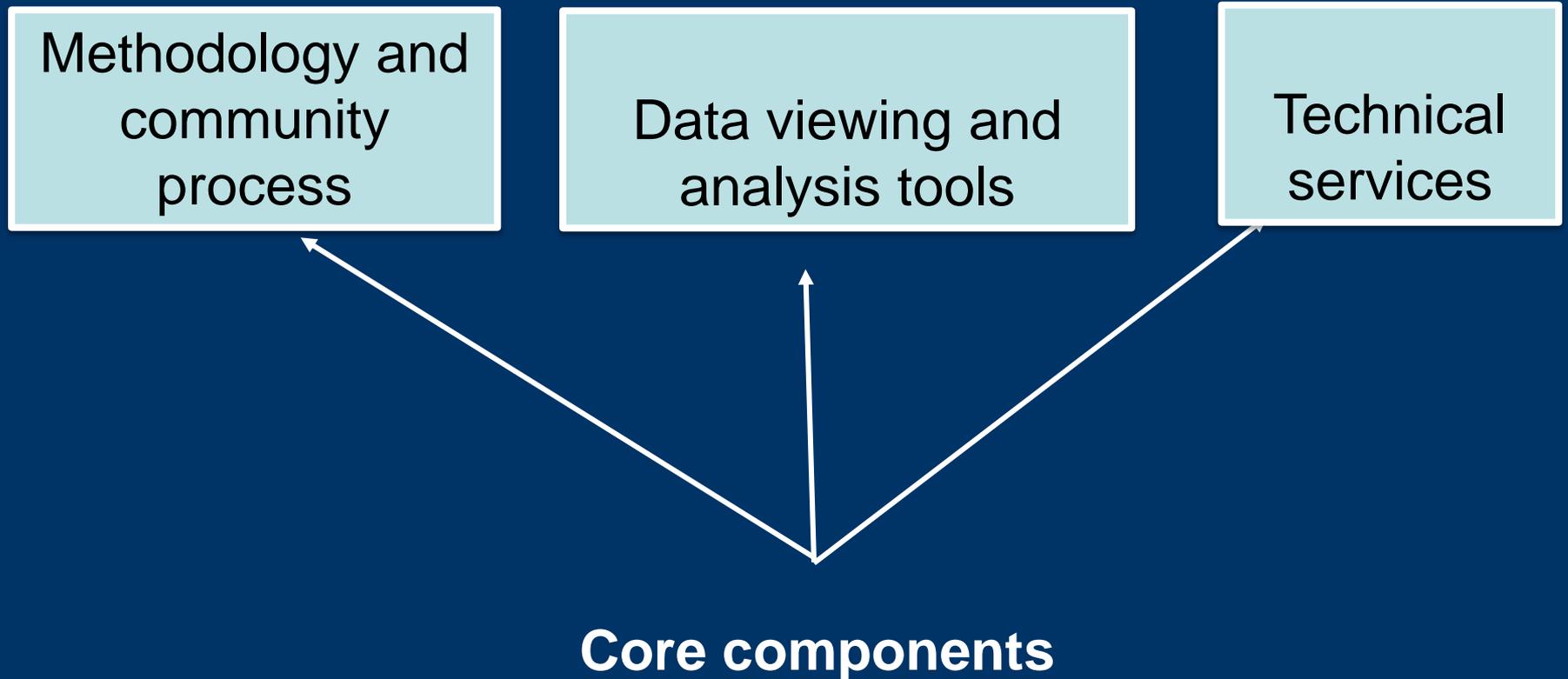
- Environmental analysis – ecosystem services
- Resilience, adaptation assessments
- Planning scenarios
- New partners and audiences
- Risk data

Users and Partners

- **Who are we trying to reach?**
- **Who do we want to work with?**



CRVAT is a Framework



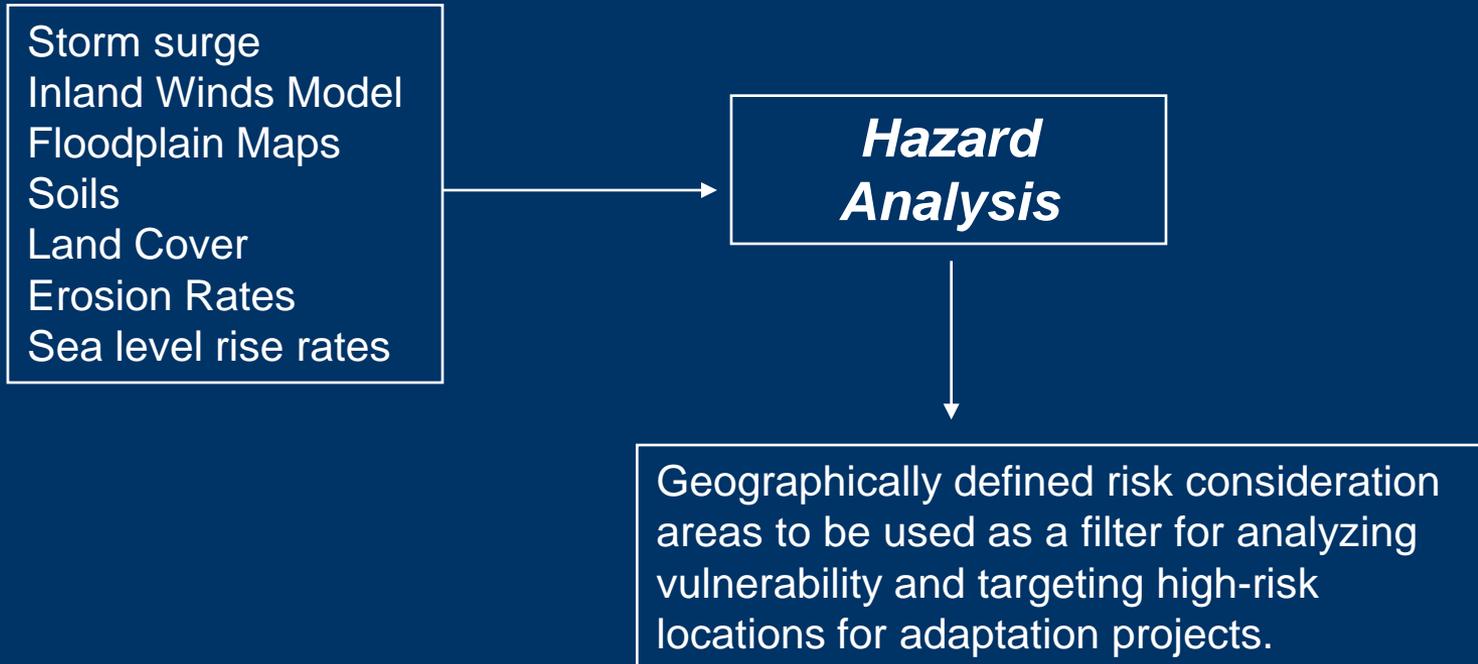
Methodology



Risk Assessment

What hazards are you concerned about?

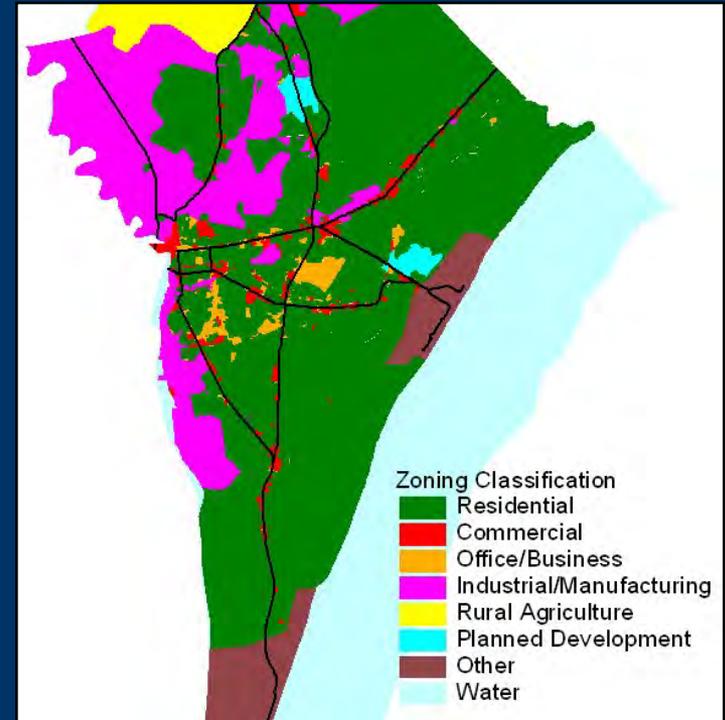
Where are your risk consideration areas?



Exposure Assessment

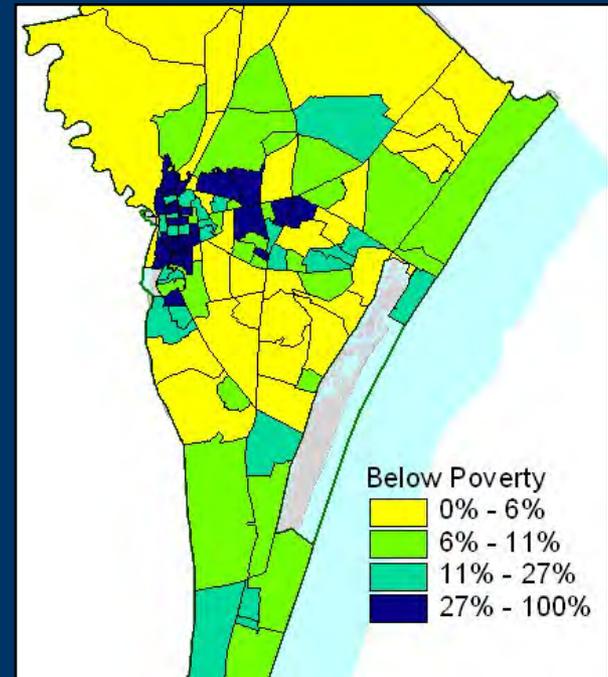
Analysis of what physical, social, and environmental assets are exposed to hazards

Exposure tells you whether you are in or out of a hazard risk area



Vulnerability Assessment

- Assess vulnerability of the exposed assets (social, physical, and environmental)
- Spatial and social science techniques to help identify where vulnerable assets are located
- Assess why assets are vulnerable to hazards



Resilience/Capacity Assessment

- **Capacities**
- **Identify weaknesses and gaps in resilience**
- **Determine priority areas for increasing resilience and lessening their risks and vulnerabilities**



Adaptation Opportunities

Uses data and information from the previous assessments to determine where opportunities exist for adaptation to hazards

- **Prioritize Efforts**
- **What resources are available**
- **How to work in current programs and policies**
- **What process to use**

Tools

“Hazardousness” Tool

- Displays hazards and demographic data for coastal counties
- Helps communities understand their exposure

Community Self-Assessment Mapping Tool

- Assisting Gulf of Mexico communities in their Resilience Index Self Assessment

Technical Services

Goal

- To get CRVAT on the ground and in use
- Build capacity in others to implement CRVAT

?

Help us identify how we can do this

Breakout Groups

Breakout Groups – Discuss the following topics:

- CRVAT content
- Partnerships
- User Requirements
- Services

Questions to help guide the conversation at each flipchart

30 minutes

Next Steps

- **Feedback**
- **Continue to build partnerships**
- **Continue to develop methodology**

Thank You

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Risk and Vulnerability Assessment Tools

www.csc.noaa.gov/rva_tools