

where is the 'E' in risk?

The case of Louisiana Speaks

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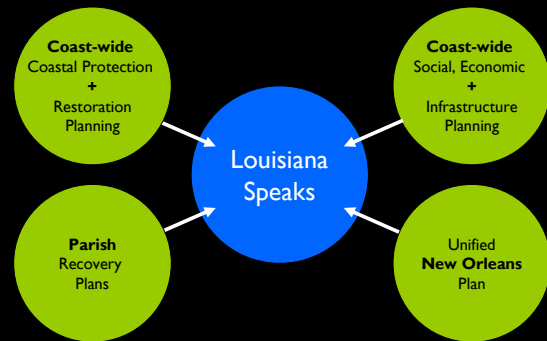
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Presentation Structure

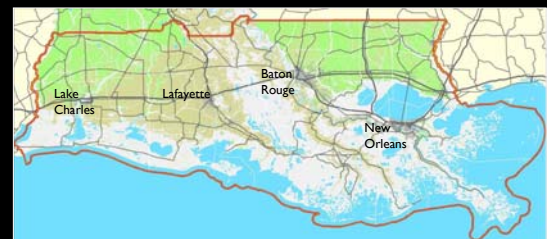
- 1) Louisiana Speaks Case Study
- 2) Implications of Case Study for Interdisciplinary Projects
- 3) Next Steps



Integrating Planning for Recovery and Growth....



To Address Challenges Across South Louisiana



The Planning Process

- Demographic Analysis and Initial Public Outreach
- Digital Base Mapping of Post-Storm Landscape
- Recovery and Growth Scenarios Development
- Scenarios Modeling
- Public "Voting" on Scenarios
- Louisiana Speaks Regional Plan:
A Vision and Strategies for a Sustainable Recovery and Smarter Growth

Defining the Challenge

Demographic Analysis: Storm Impacts

Southern Louisiana
Population 2005

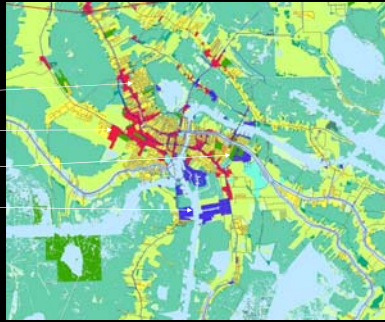


Digital Base Mapping

Louisiana's First Comprehensive Spatial Database

Existing Land Use

- Residential
- Commercial
- Open Space
- Industrial

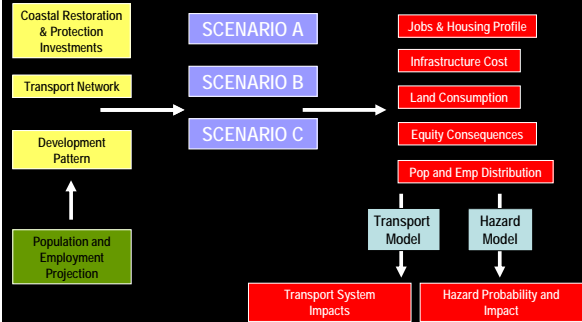


Scenarios Development and Modeling

INPUTS

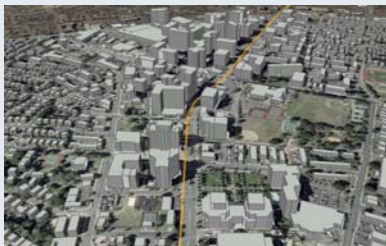
ALTERNATIVES

OUTPUTS



Creating Scenarios

Development Types: Scenario Inputs Based on Real Places



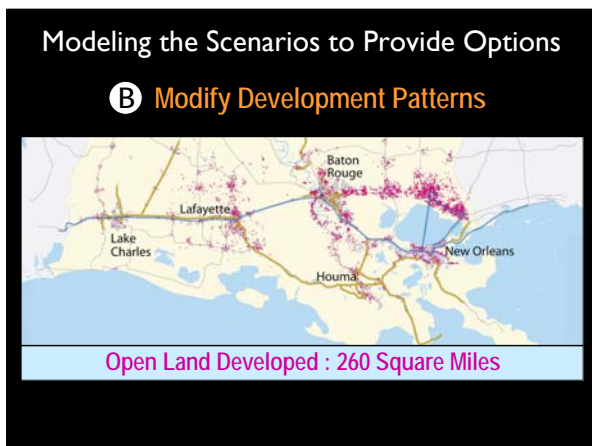
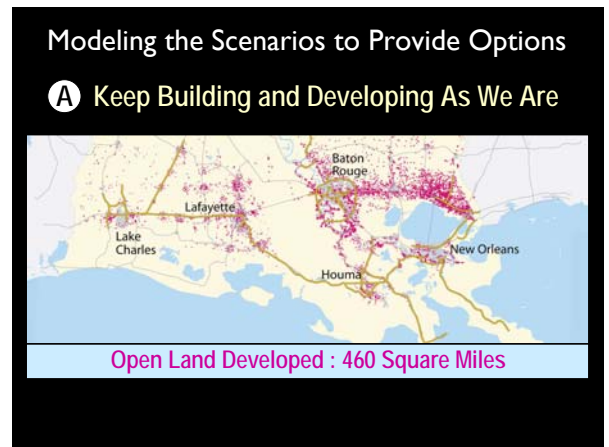
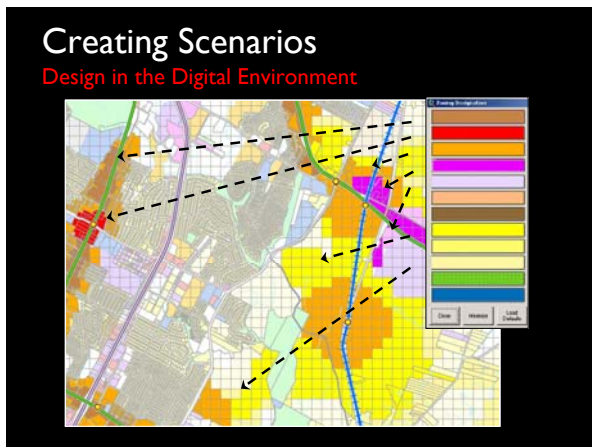
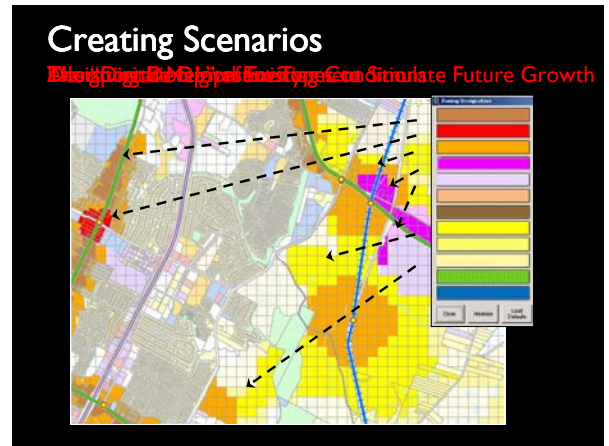
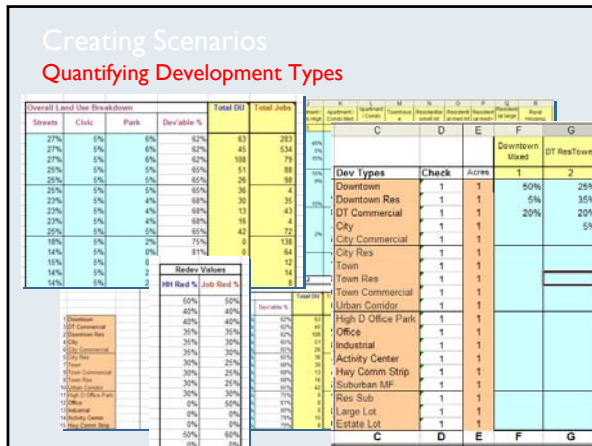
District Center

Visualizing Development Types in South Louisiana



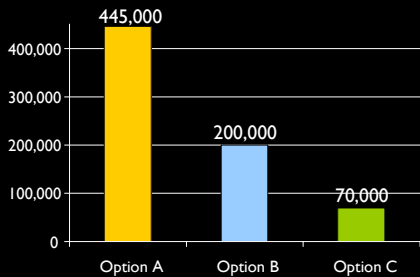
Town Center

Small Lot Residential



Communicating the Consequences

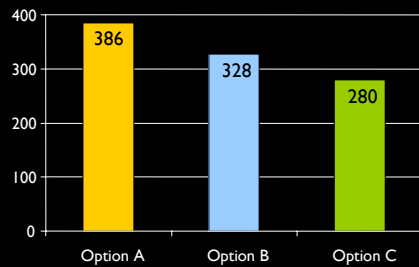
New Population Located in Floodplain



Communicating the Consequences

Automobile Emissions

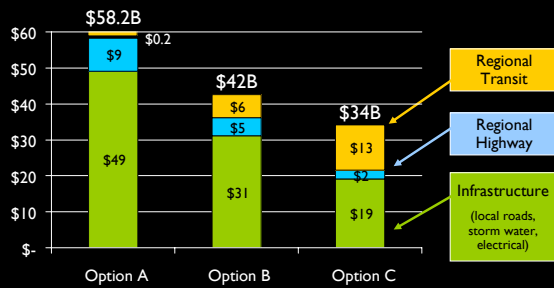
Annual Tons of NOx, CO, and VOCs



Communicating the Consequences

Total Infrastructure Cost (2005-2050)

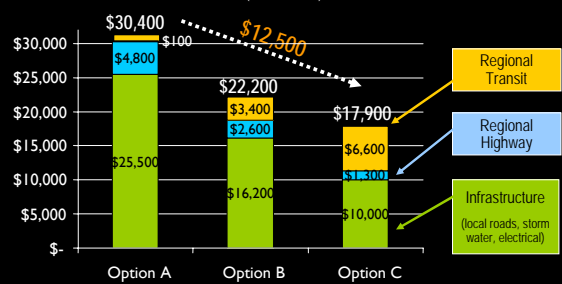
Billions of 2007 Dollars



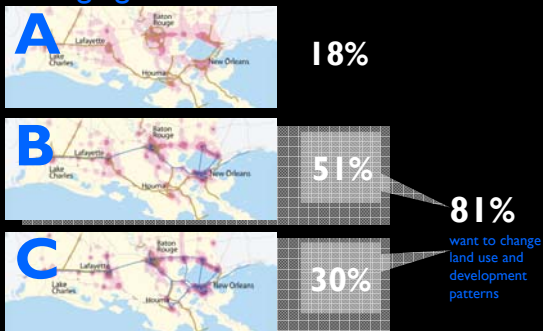
Communicating the Consequences

Total Infrastructure Cost per Household (2005-2050)

(2007 Dollars)



Regional Plan Poll Results: Changing Growth Patterns



The Louisiana Speaks Regional Plan: Restoration and Protection



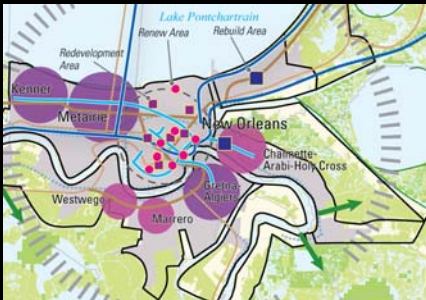
The Louisiana Speaks Regional Plan:
 Integrated Restoration, Protection, Transportation and Land Use



Comprehensive Risk Management
 Coastal Restoration and Protection Investments



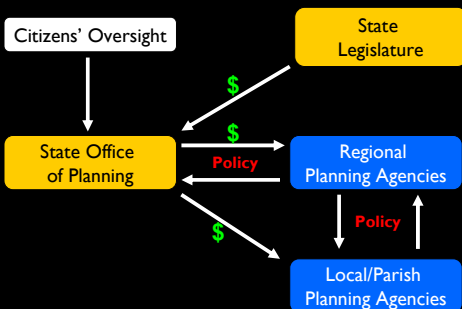
The Louisiana Speaks Regional Vision:
 Reinvestment Areas



The Louisiana Speaks Regional Vision:
 New Growth Areas



A New Framework for Implementation



Challenges

- Fragmented planning process
- Breadth of knowledge of primary consultant
- Temporal disconnect between modeling processes
- The constant: institutional politics

Putting the 'E' in Risk

- Common timeline and policy-informing iteration
- Common valuation of risk
- Collaboration to build a robust, integrated modeling process
- Collaboration to create robust, integrated policy

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