

Social Vulnerability and Risk

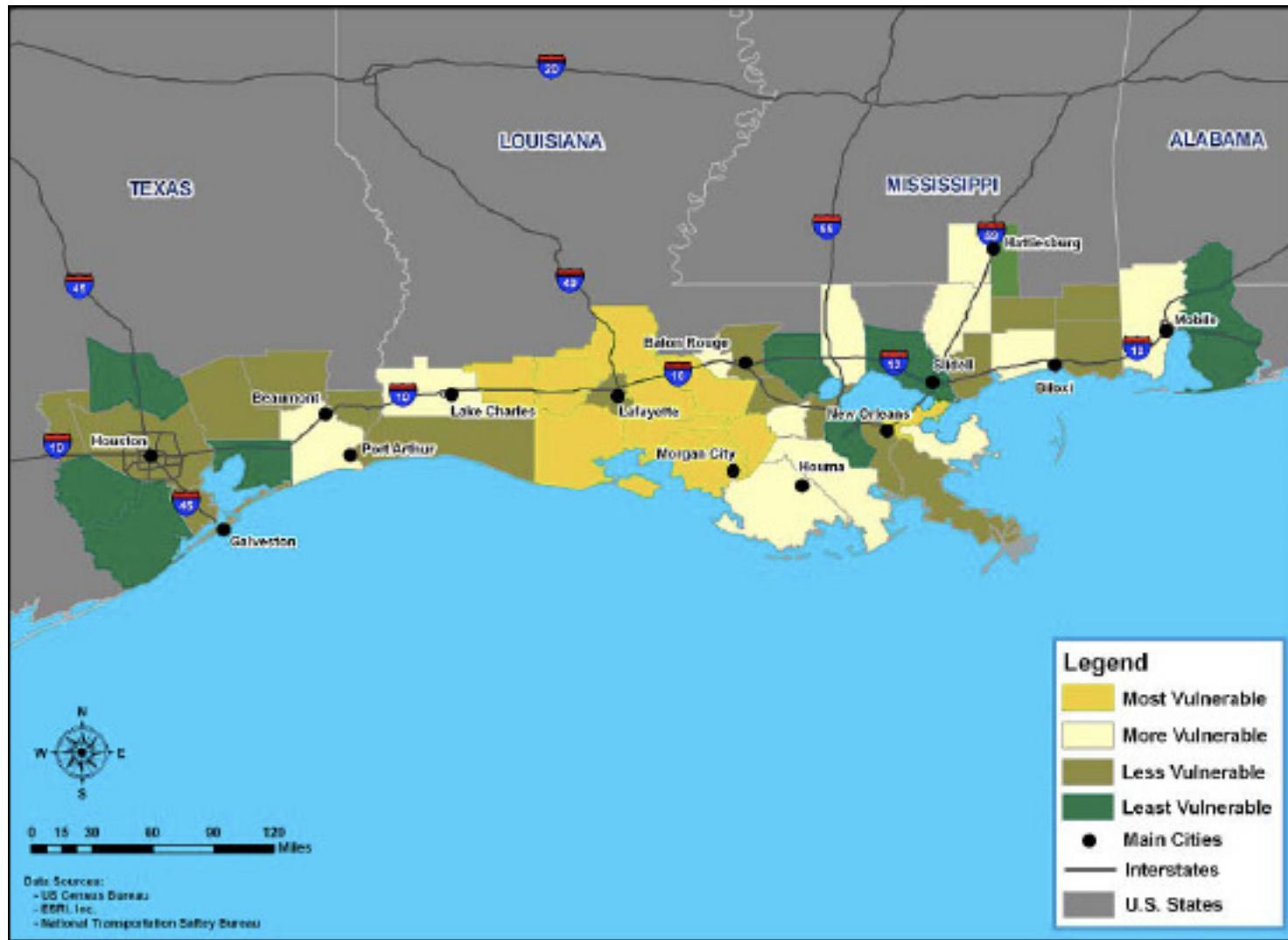
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Key Points

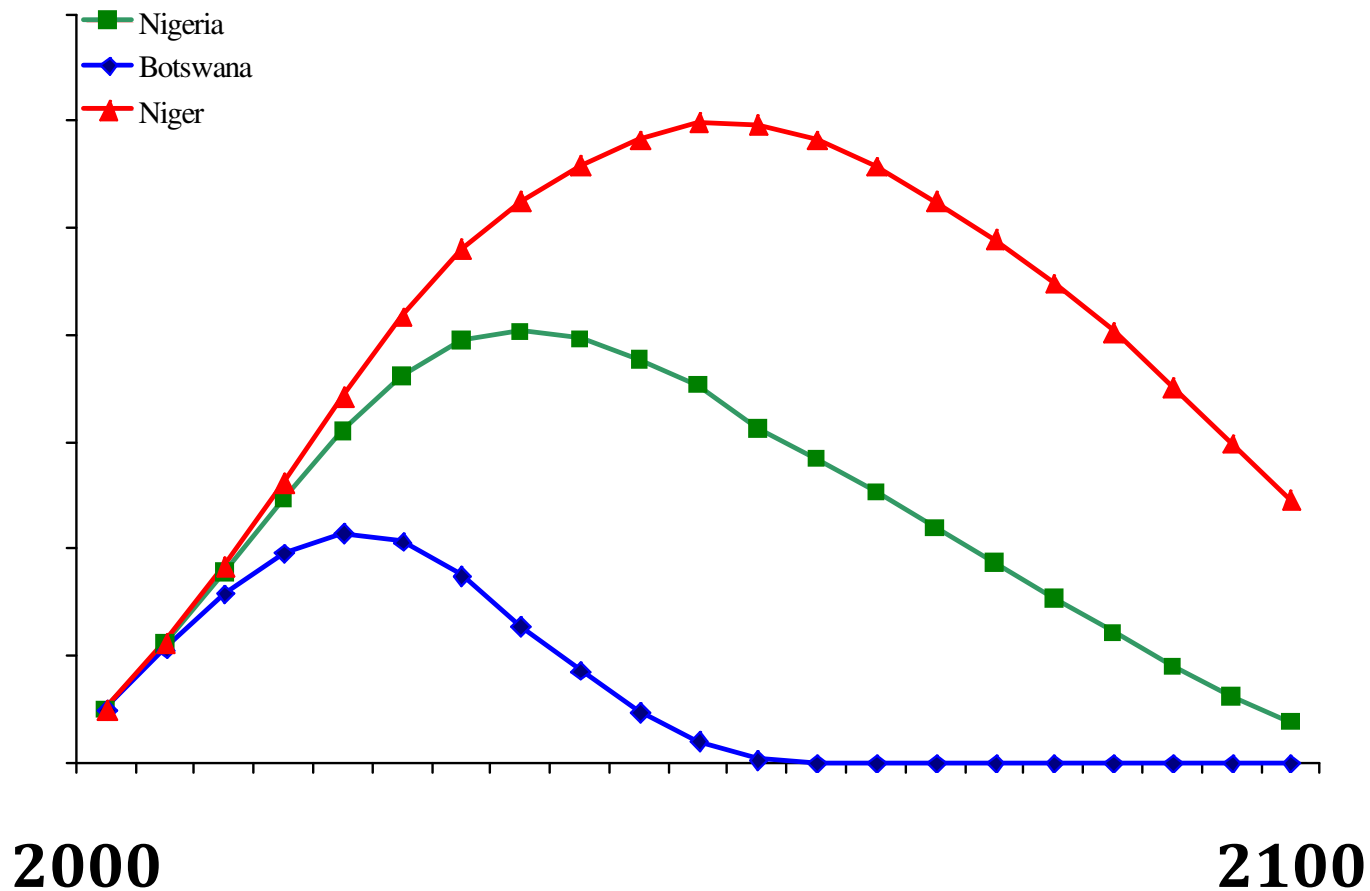
- **Vulnerability is as important as exposure to climatic change (physical hazard)**
- **Aggregating damages (spatial and temporal scales) hides unacceptable risks**
- **Adaptation and mitigation policy options are not optimal if they do not address vulnerability**

Adaptation Not Optimal If It Does Not Address Vulnerability



Climate Policy Must Account for Benefits and Harms Over Time

Climate Change Attributable
Malaria Deaths



Recommendations

- **Incorporate vulnerability at finer scales**
 - Quantify and map vulnerability
- **Model non-market and indirect costs**
- **Consider integration of impacts over time**