



# Buildings in Harm's Way

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Local Solutions  
Conference  
Manchester, NH

# Climate Change?



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ICF International

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Built Environment Coalition

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Massachusetts Coastal Zone Management

John Bolduc

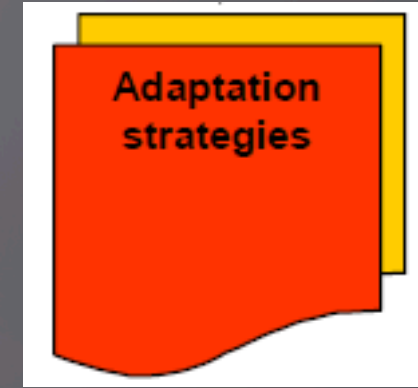
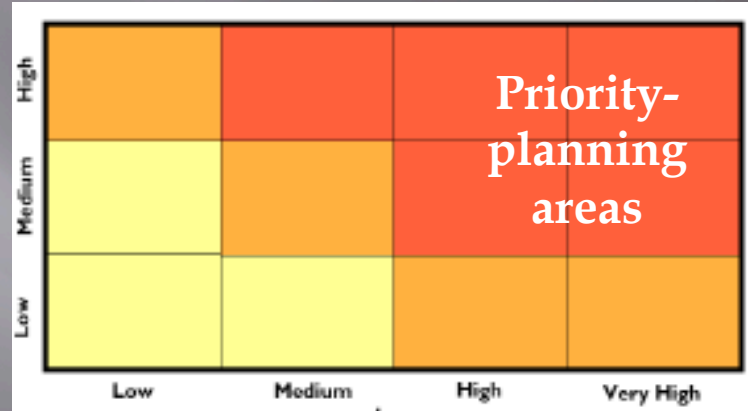
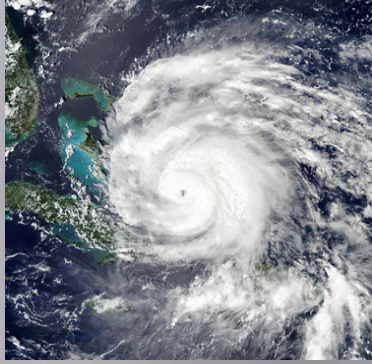
City of Cambridge



# Key Themes

- It is important to rigorously assess climate change vulnerabilities before jumping to action
- The built environment faces new and more intense hazards and a new, shifting “normal” climate
- Climate change risks are dynamic, many, and inter-connected; it’s important to be flexible
- There is existing resilience in our communities and ways to increase resilience

# Climate Preparedness in Cambridge



## Step 1

Climate Projections  
2030 & 2070

## Scenario Development

### Technical analyses

- Coastal storm surges
- Inland flooding
- Public health
  - heat & vectors
- Social vulnerability
- Economic
- Urban forest

## Step 2

Vulnerability & Risk  
Assessment

- Physical infrastructure
  - Buildings
  - Energy
  - Transportation
  - Water
  - Wastewater
  - Telecommunications
- Critical services
- Community facilities

## Step 3

Adaptation Planning  
and Design