



# MAGIC Climate Resilience

*Planning and Preparing for Climate  
Change in the MAGIC Subregion*

**DRAFT**

Source: David Mark, Maynard Life Outdoors

MAGIC Meeting  
September 8, 2016



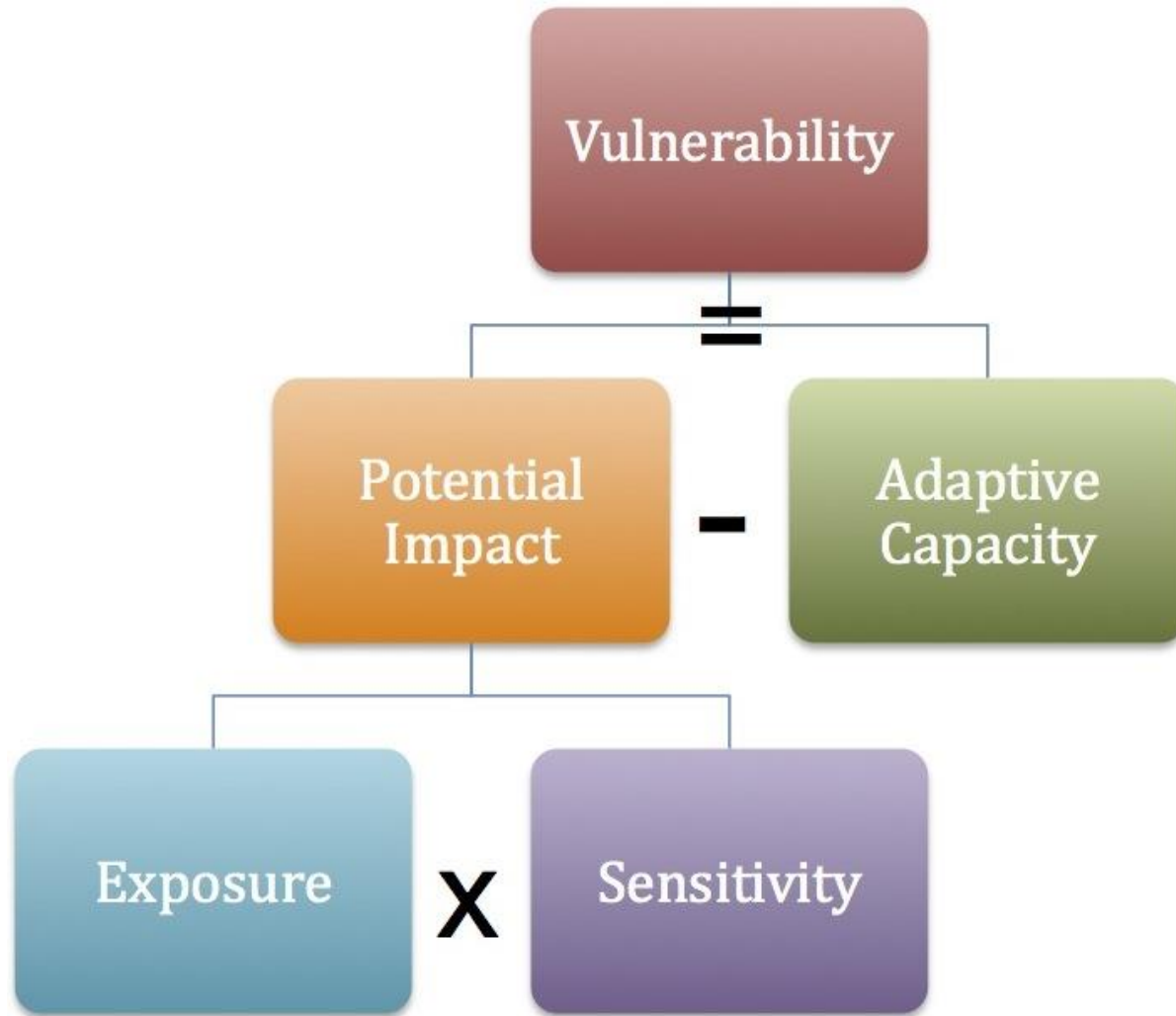
# AGENDA

- Project and Plan Update
- Vulnerability Assessment Highlights
- Initial List of Mitigation and Adaptation Strategies
- Next Steps

# PROJECT AND PLAN UPDATE

- Plan in development
  - Based on best available information and data
  - Guided by Working Group and feedback from summit and survey
- Addressing elements of:
  - Built and natural environment, health and specific populations, local economy and government
- Riverine flooding
  - Under development

# VA APPROACH



Projections

Data

Evidence

Working  
Group

Subregional  
Survey

Summit

# VA APPROACH

- Assessment is considering the following across the subregion:
  - How will specific systems and sectors of the subregion be impacted?
  - Will the subregion experience these impacts collectively? Or, are there areas or towns that will experience these differently?
  - For example, are the towns that would experience urban heat islands more than other?

# VULNERABILITY ASSESSMENT

Preliminary findings, re: higher vulnerabilities\*:

- Older buildings
  - Due to potential future energy needs and capacities, current potential for flooding
- Native species and habitats
  - Due to changes in precipitation patterns and warming of seasons

*\* Does not yet account for future riverine flooding projections*

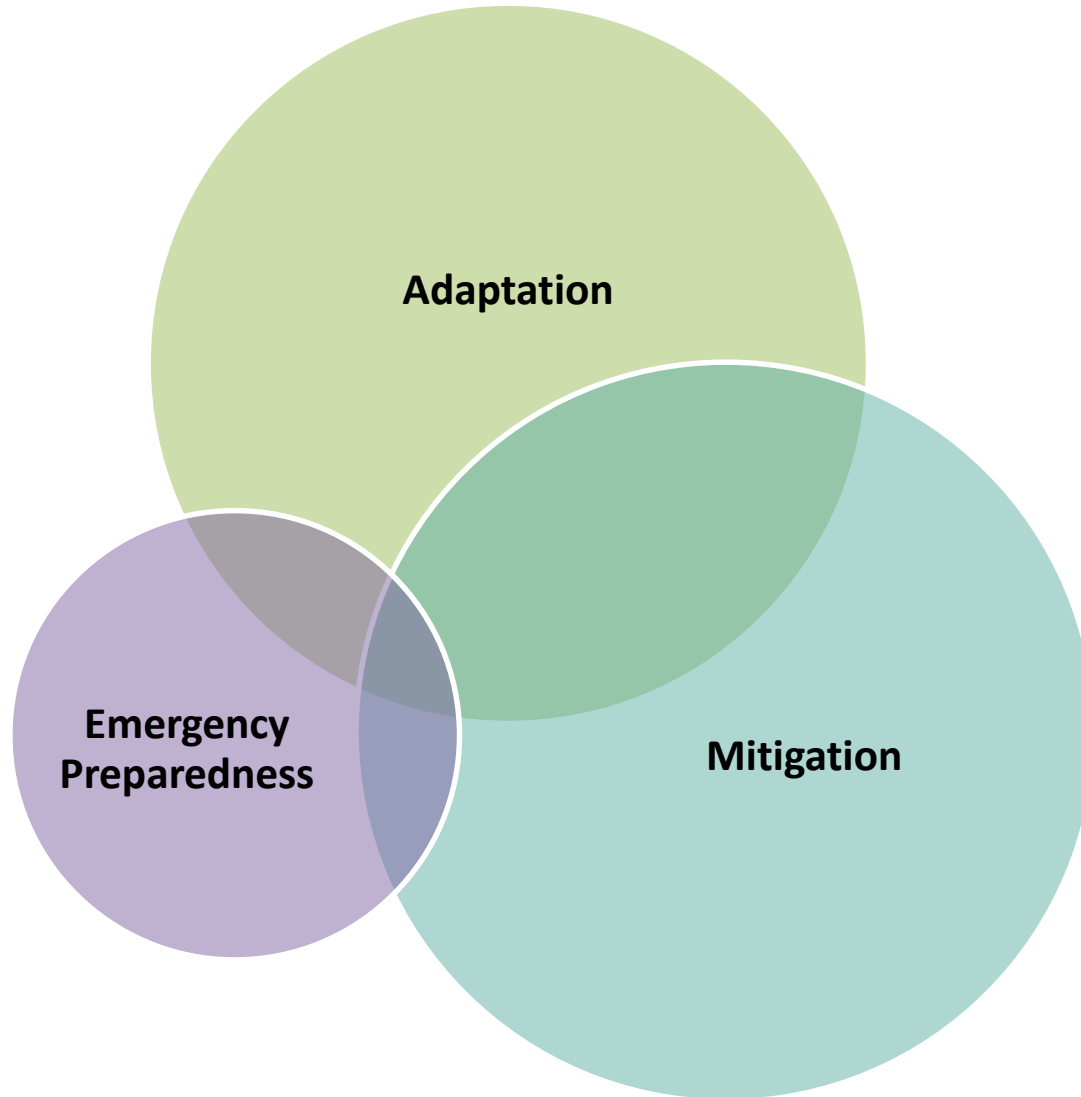
# VULNERABILITY ASSESSMENT

Preliminary findings, re: higher vulnerabilities\*:

- Older residents
  - Due to the projected growth of older population in MAGIC
- Health Care Services
  - Due to increasing demand for services locally and in greater Boston
- Agriculture
  - Due to ecological changes and weather variability

*\* Does not yet account for future riverine flooding projections*

# INITIAL LIST OF MITIGATION AND ADAPTATION STRATEGIES





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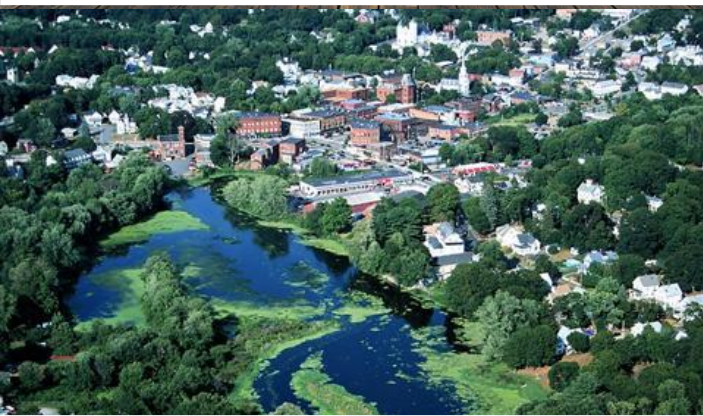
- Monitor and apply Local Predictions for Changes
- Protect Natural Resources and Maximize Use of Ecosystem Services
- Increase Use of Clean Energy and Green Building Measures
- Enforce and Enhance Regulatory Measures Affecting the Built Environment

# INITIAL LIST OF MITIGATION AND ADAPTATION STRATEGIES

- Maintain and Protect Critical Infrastructure
- Safeguard Health and Human Resources
- Prepare Local Government and the Local Economy

# NEXT STEPS

- Share draft plan with those interested in reviewing
- Meet with Working Group to provide VA presentation
- Initiate Phase 2
  - Analysis of Riverine Flooding
  - Clarify – Coordinate - Advance



MAGIC Climate Resilience Plan

**Thank You!**