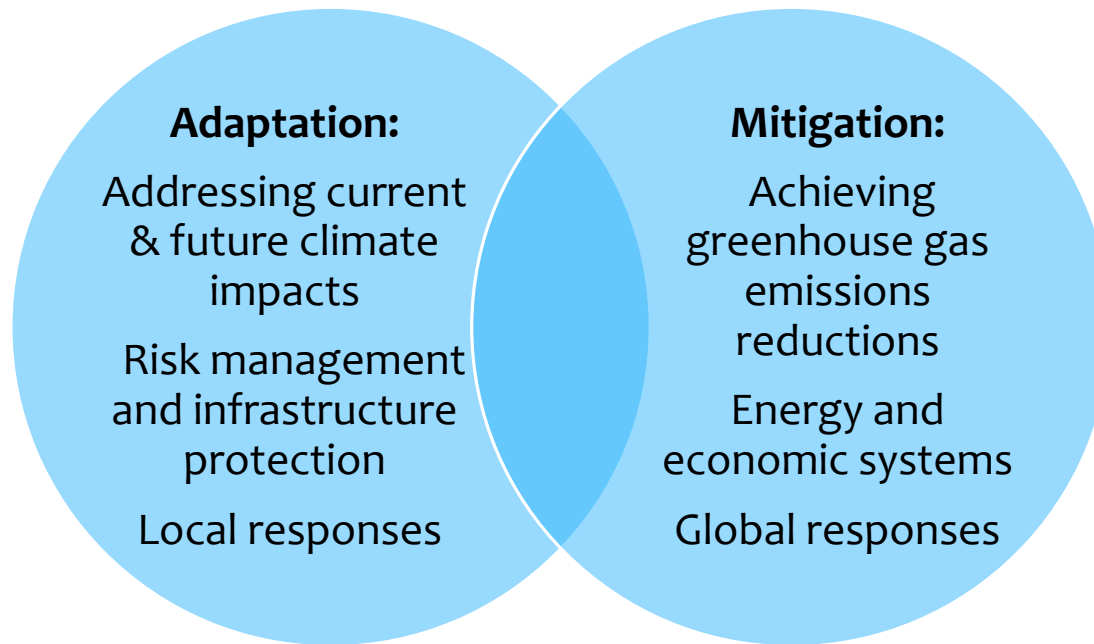


Climate Adaptation Intro and Workshop Overview

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MPCA

Adaptation/Mitigation



Adaptation options

Adaptation options can be thought about in two general categories (not mutually exclusive):

- **Single focus, reactive** efforts
- **Multiple benefit, preventive** approaches

Both are needed, and **both** are currently being implemented.

Adaptation options

	Single focus - Reactive	Multiple benefit - Preventive
Examples	Flood walls, Air conditioning, Larger culverts, Reinforced buildings, Community relocation	Urban/community trees, Stormwater management best practices, Water conservation, Green building practices
Reactive/proactive	Typically reacting to one specific challenge with a specific fix	Anticipating multiple challenges, preventive
Costs	Typically involve significant financial investments	Do not necessarily involve significant financial investments
Scalability	More likely to be specific projects designed for a specific scale	More flexible and able to be implemented at various scales
Data needs	More dependent on accurate and detailed estimates of future trends (which may not be available)	Less dependent on quantitative understanding of future trends
Co-benefits and synergies	May have co-benefits, but these are more typically incidental and unplanned	More likely to have range of co-benefits, including environmental, economic, or health improvements
Barriers to implementation	More likely to require organizational support and cross-jurisdictional agreement	Can be implemented at small scale by community members, but may not achieve significant level for effectiveness without organizational support
Effectiveness	May be more effective, particularly in short term	Effectiveness depends on adequacy of scale of implementation, commitment for long-term

Higher educational institutions have an important role!

- * Formal class curricula
- * Research, data collection and modeling
- * Outreach and education to communities
- * Resilience of campus facilities and grounds
- * Project based opportunities for students
- * Involving campuses in social justice aspects of adaptation

Overview of today's workshop

- * Case studies in morning and afternoon
- * Morning and afternoon interactive breakout sessions
- * Networking at breaks, lunch, and after workshop adjourns (food/beverages through lunch)

Contents of attendee packets

- * Agenda
- * Facility map
- * Networking form – please return today
- * Evaluation – please return today
- * Resilience Commitment
- * Adaptation options chart
- * Resources for further learning

Workshop planners

Thank you!

Risikat Adesaogun	Troy Goodnough	Beth Mercer-Taylor
Elise Amel	Mike Greco	Alex Miller
Erika Bailey-Johnson	Dan Griffin	Paul Moss
Larry Baker	Suzanne Savanick Hansen	Kristen Nelson
Sophie Bishop	Gary Johnson	Molly Zins
Bob Cline	Steve Kelley	Emily Ziring
Jean Evers	Joel Light	
Hannah Gary	Kevin McDonald	