

## NEW YORK STATE ASSOCIATION OF MPOs

### CLIMATE CHANGE AND SUSTAINABILITY WORKING GROUP

June 27, 2018  
Webinar Meeting  
1:30 PM – 2:30 PM

### MEETING NOTES

#### Participating

- Jennifer Ceponis, Chair (CDTC)
- Joseph Bovenzi (GTC)
- Kevan Busa (SMTC)
- Zack Coleman (OCTC)
- Mark Debald (DCTC)
- Leslie Fordjour (NYMTC)
- Heather Holsinger (FHWA)
- Elisabeth Lennon (NYSDOT)
- Jack Mance (A/GFTC)
- Colleen Smith Lemmon (NYSDOT)
- Brian ten Siethoff (Cambridge Systematics, Consultant Support)
- Nicolette Wagner (ECTC)
- Nancy Welsh (NYSDEC)

#### 1. Integrating Risk and Resiliency into Planning

*Presentation by Brian ten Siethoff, Cambridge Systematics.  
[See PPT slides in separate attachment]*

Notes from Discussion:

Q: What other MPOs are good examples of incorporating resilience into planning?

A: In NY State, GTC completed the Genesee-Finger Lakes Regional Critical Transportation Infrastructure Vulnerability Assessment in 2016 ([http://www.gtcmpo.org/sites/default/files/pdf/2016/5750\\_-\\_final\\_report.pdf](http://www.gtcmpo.org/sites/default/files/pdf/2016/5750_-_final_report.pdf)), and CDTC has investigated the resilience issues around vehicle fleets that are transitioning from internal combustion engines to electric and alternative fuel drive trains.

The Metropolitan Transportation Commission (San Francisco Bay area), Hillsborough MPO (Tampa, FL), and Broward MPO (Ft. Lauderdale, FL) are three examples of MPOs who have participated in recent FHWA pilot projects on resilience and transportation vulnerability assessments. The full list of pilot project participants and links to deliverables is available at the following URL: <https://www.fhwa.dot.gov/environment/sustainability/resilience/pilots/>

Also, Heather Holsinger from FHWA mentioned that a project titled “Integrating Resilience into the Transportation Planning Process” has recently been completed. Reports and other deliverables can be found on FHWA’s website at the following URL:

[https://www.fhwa.dot.gov/environment/sustainability/resilience/ongoing\\_and\\_current\\_research/planning/](https://www.fhwa.dot.gov/environment/sustainability/resilience/ongoing_and_current_research/planning/)

## 2. Automated Vehicle Fact Sheet

Jennifer Ceponis asked if anyone had comments on the draft Automated Vehicle Fact Sheet that was circulated to members. She asked members to please send final comments by end of the day Friday.

*Notes from Discussion:*

Q: Can we refocus the fact sheet on the environmental benefits of AVs?

A: There isn’t a lot of research or data on specific environmental benefits of AVs yet. There is some literature speculating that there may be potential for greenhouse gas emissions reduction (particularly if AVs are mainly electric vehicles powered by renewable sources) and some land use benefits. Most of the literature is general and emphasizes policy guidance rather than technical analysis.

Dutchess County is looking at what roads should AVs travel on.

Different users are looking at different applications of AV. For example, food bank deliveries vs. freight shipments. It’s not clear what environmental benefits will be associated with each of these applications.

Q: Is there any guidance or examples of preparing for AV at a regional scale or at an agency level?

A: Several specific resources were mentioned:

- The American Planning Association (APA) released a suite of autonomous vehicle resources in November 2017: <https://www.planning.org/newsreleases/2017/nov08b/>
- APA also recently released a briefing paper titled “Taming the Autonomous Vehicle: A Primer for Cities”, available at <https://www.planning.org/knowledgebase/resource/9137796/>
- The National Association of City Transportation Officials (NACTO) released a “Blueprint for Autonomous Urbanism” in October 2017: <https://nacto.org/2017/10/31/blueprint-for-autonomous-urbanism/>

### **3. Partner Agency Updates**

NYS DOT: Elisabeth Lennon reported. NYS DEC released draft Flood Risk Management Guidance, which includes transportation-related guidelines. The deadline for comments is August 20. See <http://www.dec.ny.gov/press/114000.html> for details.

Also the draft guidance for Smart Growth is available for review. See [http://www.dec.ny.gov/docs/administration\\_pdf/nysdga.pdf](http://www.dec.ny.gov/docs/administration_pdf/nysdga.pdf).

NYS DHSES (Department of Homeland Security and Emergency Services) is preparing to release the 2017 State Hazard Mitigation Plan to the public soon. Check <http://www.dhSES.ny.gov/recovery/mitigation/plan.cfm> for details.

NYSERDA: (no representative present)

NYS DEC: Nancy Welsh reported. The Transportation and Climate Initiative (TCI) of the Northeast and Mid-Atlantic States has been holding listening sessions to gather input on how to reduce emissions from the transportation sector. There was a NY State-sponsored meeting in Albany in April. There will be a NYC metro area session on July 2, 1-4 PM at NYU; registration is required. Go to the TCI website for registration details (scroll down for registration link): <http://www.transportationandclimate.org/listening-sessions-transportation-and-climate-initiative>.

DEC, NYSERDA, and DOT are sponsoring a similar series of listening sessions/stakeholder engagement sessions to hear about these issues in NY State. There will be three sets of sessions: a first set in the Buffalo and Syracuse areas, a second set in Long Island and New York City, and a third set planned in the Mid-Hudson area. They are targeting Fall 2018 for the meetings.

### **4. Other Items/MPO Updates**

There were no additional comments from WG members.

After some group discussion, there was consensus that the next meeting should be held as a phone call vs. an in-person meeting.

### **5. Adjourn**

The meeting was adjourned at approximately 2:30 PM.



CAMBRIDGE  
SYSTEMATICS

Think  Forward

# Integrating Risk and Resiliency into Planning

*presented to*

*NYSAMPO Climate Change  
Working Group*

*presented by*

*Cambridge Systematics, Inc.  
Brian ten Siethoff*

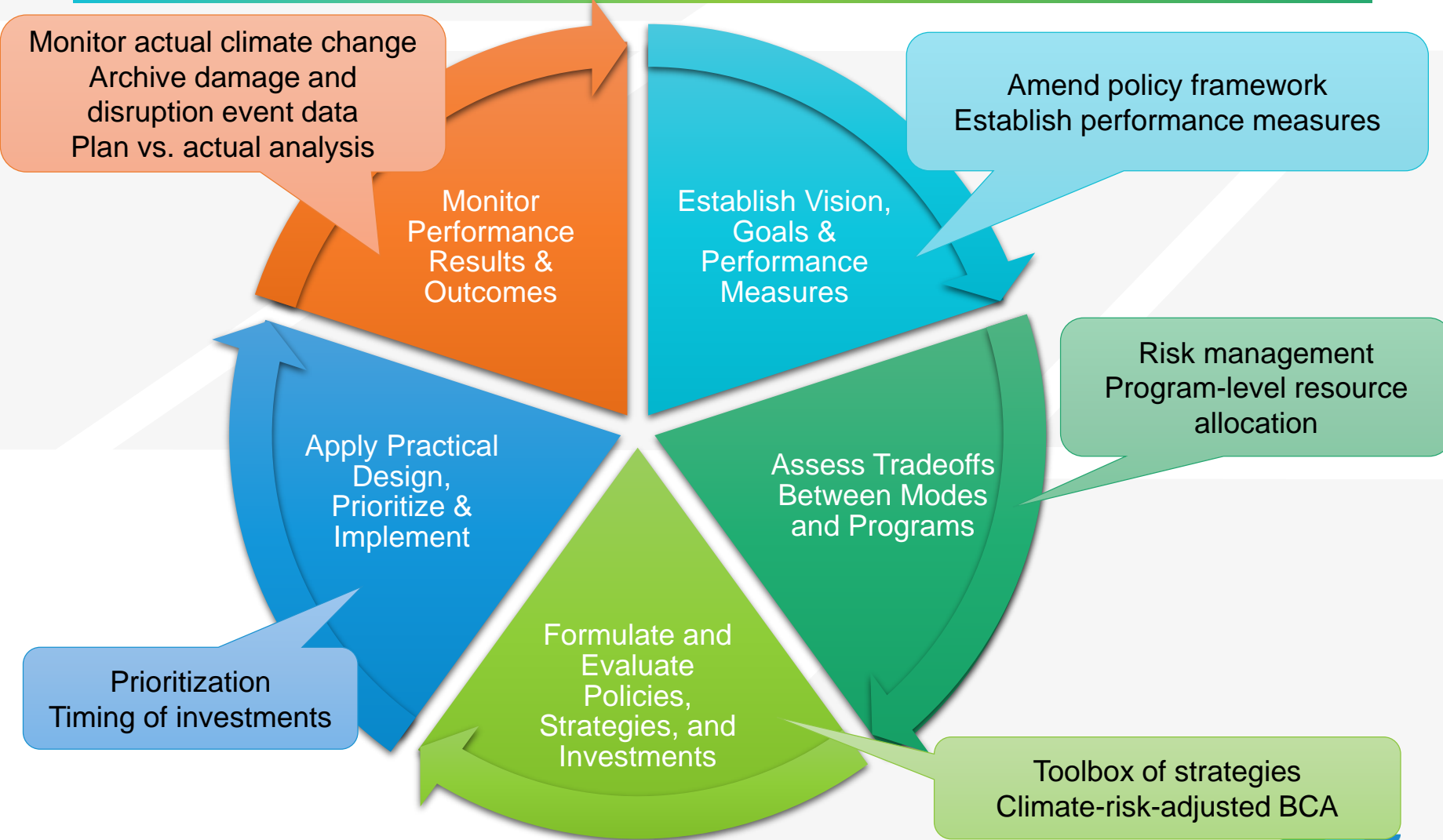
6/27/2018

# Presentation Overview

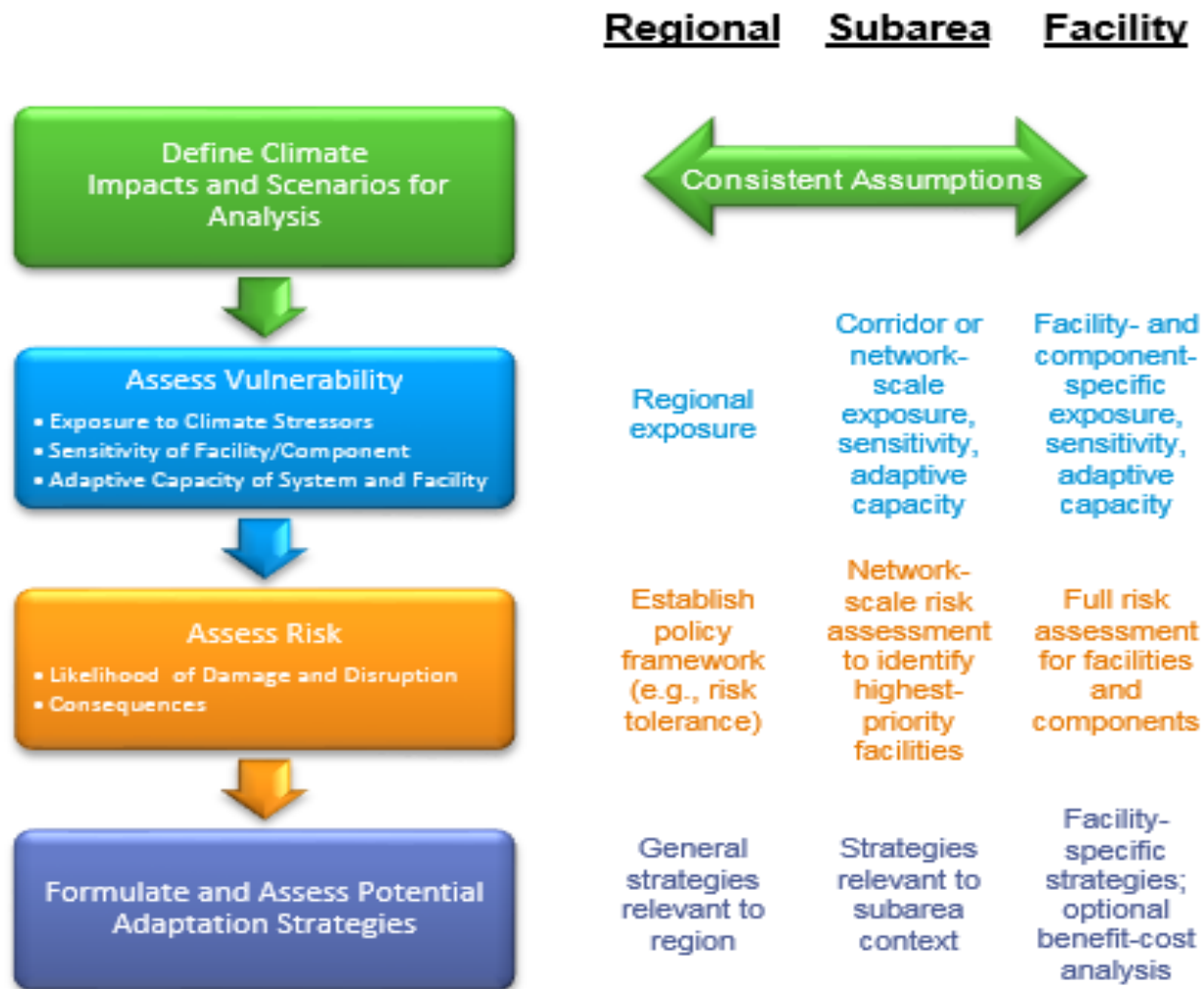
---

- Processes
- Decision Models
- Organizational Models
- Performance Measures

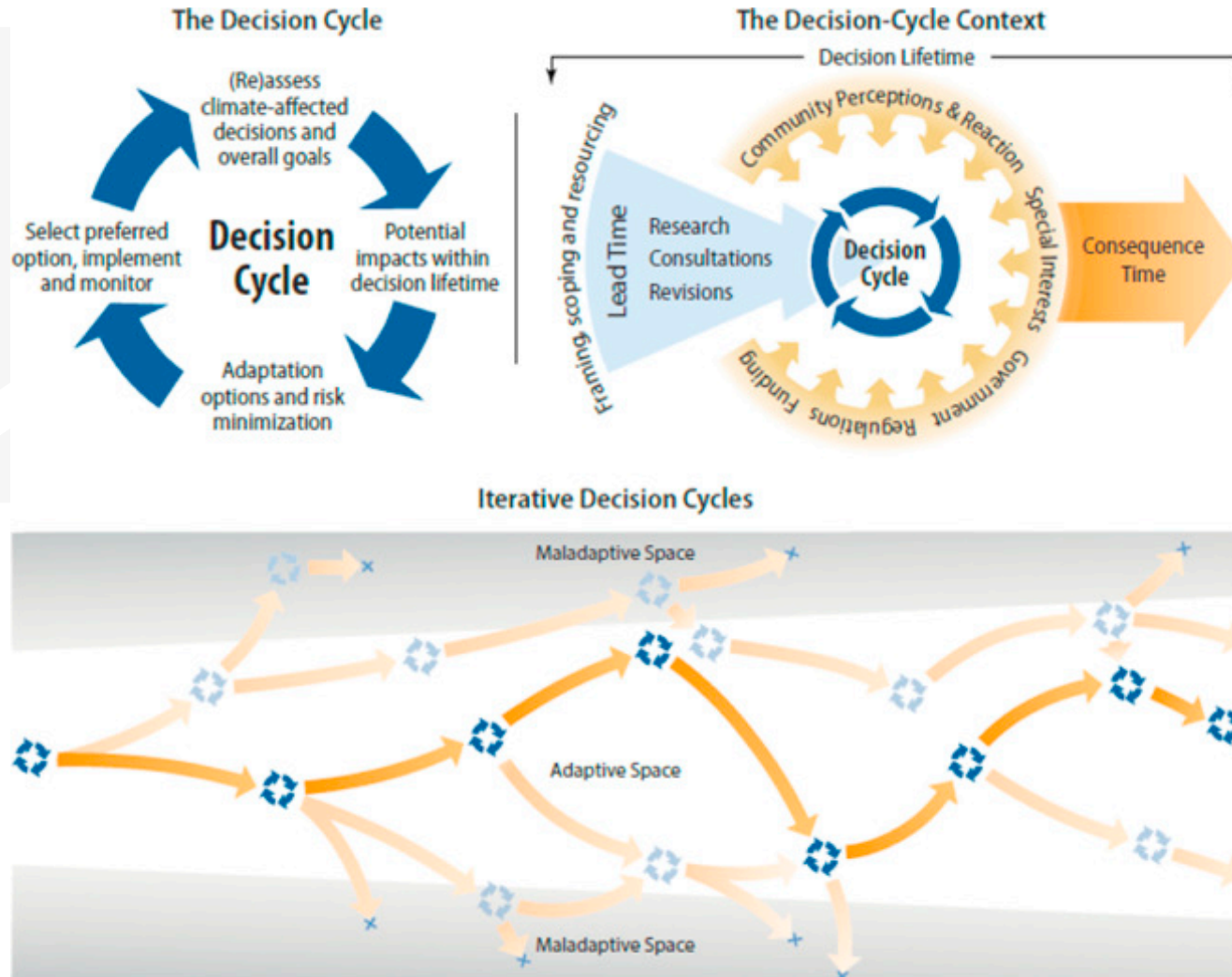
# Generic Planning, Project Development, and Implementation Cycle



# Generic Process for Assessing Vulnerability and Risk

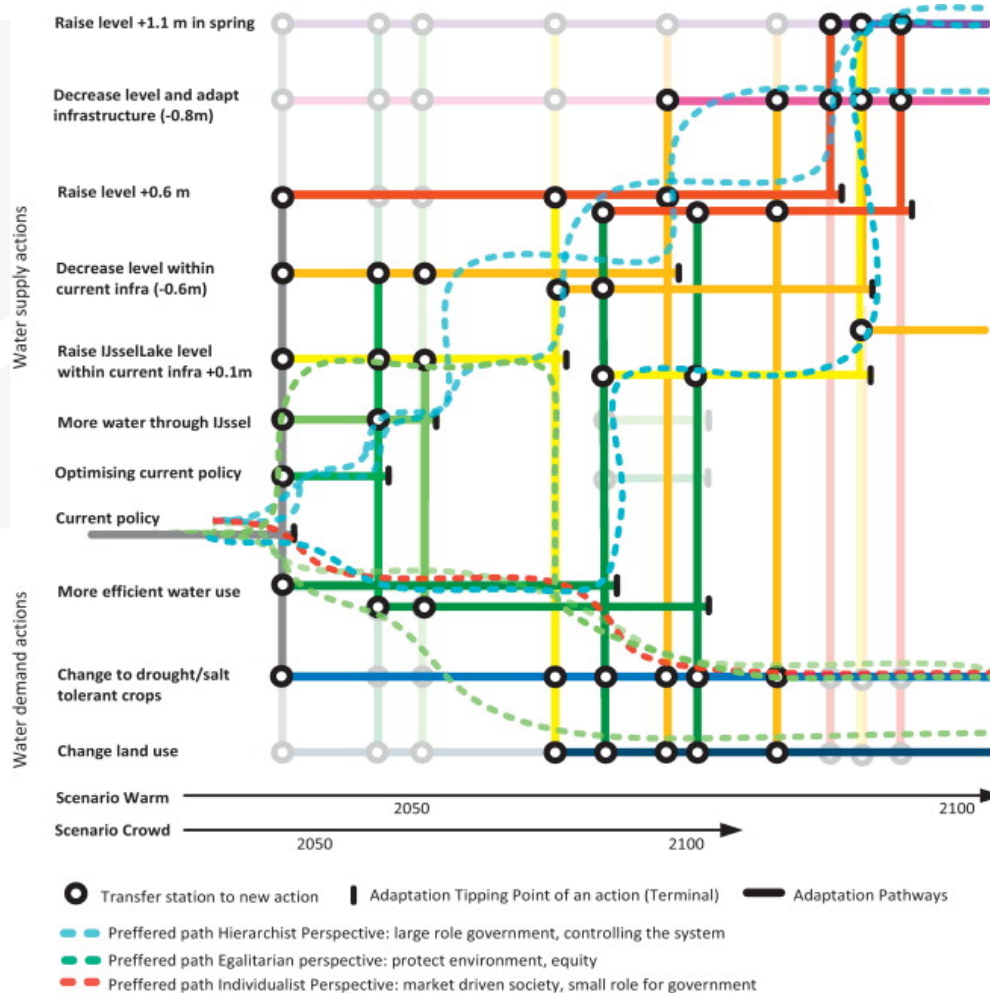


# Decision Models





# Decision Models (continued)



# Decision Models (continued)



# Organizational Models

---

- Centralized decision making
- Decentralized “liaison” approach
- Hybrid: Clearinghouse + regional and program-area decision making

# Communication and Collaboration

---

Climate Scientists

Policy Experts

Planners

Designers/Engineers

Operations

Emergency  
Management

Law Enforcement and  
First Responders

Elected Officials

Community  
Representatives



# Performance Measures

---

## Availability

- Impacts of damage and disruption

## Criticality

- Economic and social value

## Cost

- Program-level metrics

## Qualitative and proxy measures

- Customer satisfaction
- Expert input