

North Carolina Flood Resiliency Blueprint Principal Advisory Group Meeting #2



AECOM office-

5438 Wade Park Boulevard, Suite 200
Raleigh, NC 27607, USA

July 18, 2023

9:00 am – 11:00 am EST

Meeting Agenda



- Review of Blueprint
 - Review of documents and updated status
 - Definitions for documents
 - Review of Legislative report
 - Summary of Community Engagement
- Draft Governance Schema
- **Break**
- Chair Updates
- Next Steps
 - Legislative Update
 - New PM
- Open Discussion



Review of Blueprint (work to date)



Flood Resiliency Blueprint Tentative Timeline



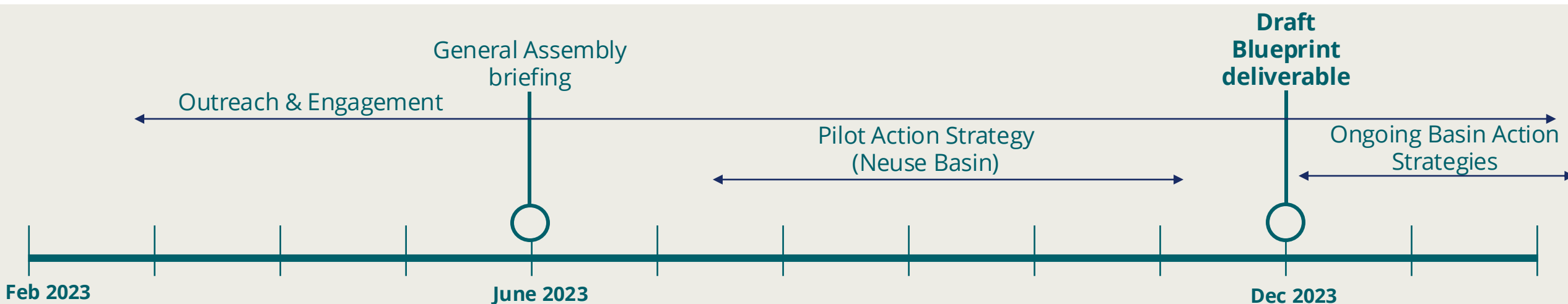
2022 Outputs: Outreach and engagement to develop scope of work; awarded Phase I contract

2023 Outputs:

- Requirements for online decision support tool
- Draft NC Flood Resiliency Blueprint
- Draft Neuse Basin Action Strategy and beta-testing tool

2024: Statewide validation and testing of the online tool in NC basins and development of basin-specific action strategies

2025+: Ongoing maintenance, administration, updates, etc.



Review

Review of Documentation/ Status



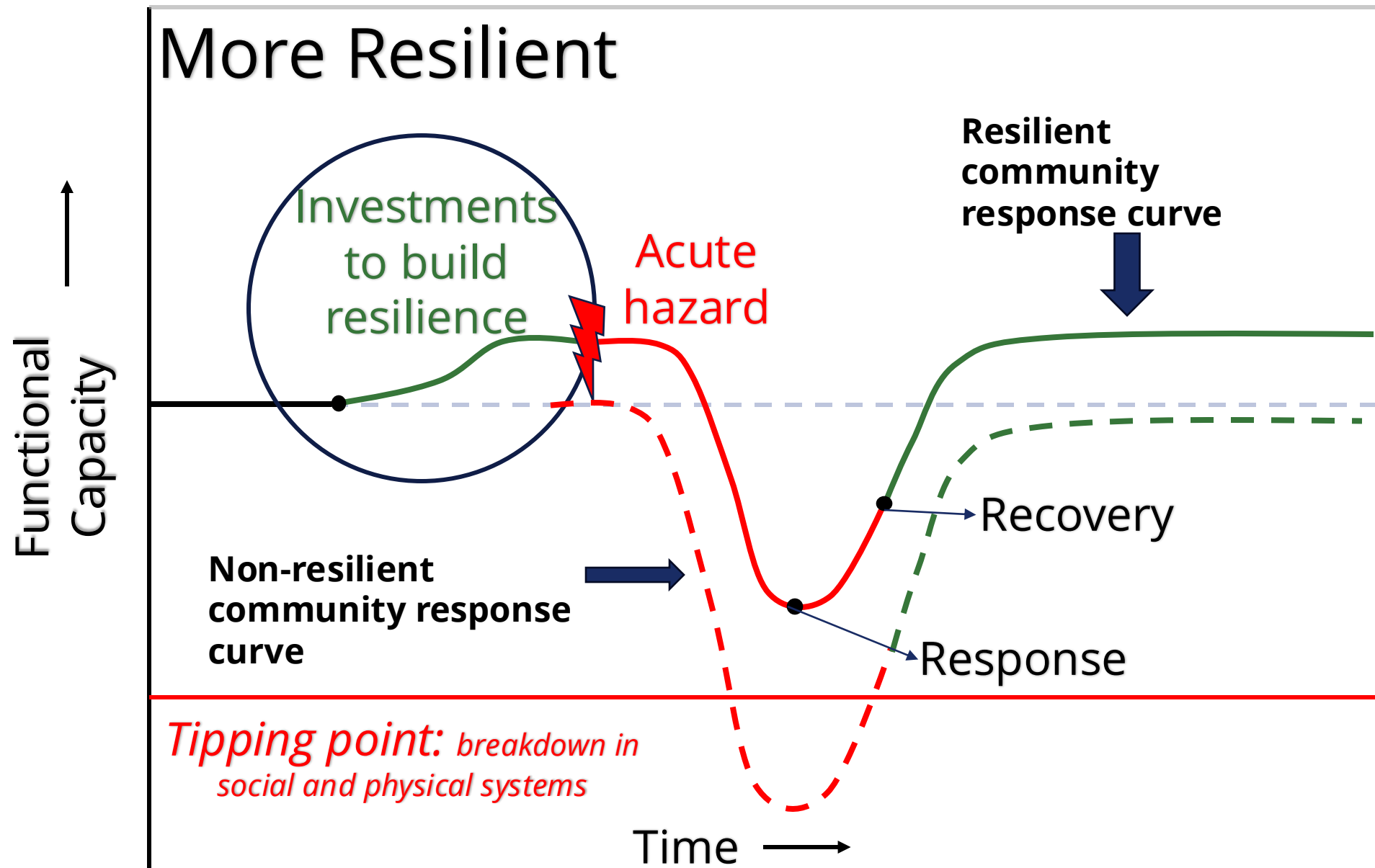
Subtask working

	Not Started/Needs Significant Work
	Started
	DEQ Review/Revisions
	TAG Review Closed
	Complete

Other Planning Efforts	1.1	1.7	2.3	2.10	3.3				
Stakeholder Engagement	1.3	1.10							
Neuse Basin Specific	1.4	2.13	2.14	4.4					
Peer State Review	1.5								
Data and Modeling	2.1	2.2	2.4	2.5	3.5	3.6	3.7	3.9	3.10
Funding	2.6	3.15							
Mitigation Alternatives	2.7	2.8	3.2						
Restrictions	2.9	3.12							
Online DST	2.11	3.1	3.4	3.13	3.14	4.1	4.2	4.3	
AI/ML Applications	2.12	3.11							
Addressing Challenges	3.8	3.16	3.17						
Final DRAFT Blueprint	4.5								

Document Definitions





- Investment in resilience, leads to better outcomes before, during and after natural disasters.
- What is a community's "Tolerance" to flood hazards?

Definitions



- **FLOOD HAZARD** – an event or physical condition that can cause fatalities, injuries, property damage, infrastructure damage, agricultural loss, damage to the environment, interruption of business, or other types of harm or loss.
- **FLOOD IMPACT** – measurable damage resulting from a hazardous event on people and social, environmental, structural, commercial and infrastructure assets.
- **FLOOD RESILIENCE** – capacity of individuals, a community, business, or natural environment to prevent, withstand, respond to, and recover from a disruption.
- **FLOOD RISK** – the likelihood a threat will harm individuals, communities, or assets with some severity or consequence.
- **FLOOD VULNERABILITY** – measure of someone and something's (infrastructure, economic activity) ability to prepare for, manage, survive, and recover from a flood event.
- There should be more definitions ex.
 - Repetitive loss,
 - severe repetitive loss,
 - mitigation,
 - stakeholder,
 - nature based strategy,
 - underserved,
 - Under-represented,
 - historically marginalized
- NFIP definition of flood: A general and temporary condition of partial or complete inundation of 2 or more acres of normally dry land area or of 2 or more properties

Legislative Report

<https://www.deq.nc.gov/resiliency-blueprint>



Recommendations

- **Recommendations on how data can be incorporated into decision-making through local planning and State project prioritization for capital improvement plans.**
 - linking identified mitigation solutions to the identified flooding issues (regional and local) within the Blueprint online tool.
 - The goal is for the tool to help decision-makers link their particular flooding issues with the suggested resiliency options and the associated costs and possible funding options for that solution

Decision support tools and an implementation plan

- **Decision support tools and an implementation plan to reduce the cost and complexity for local government units to develop projects that reduce flood risks.**
 - requirements needed for a decision support tool.
 - include an application of a beta version of the decision support tool
 - The draft Blueprint document and Neuse River Basin Action Strategy
 - Development of the Draft Neuse River Basin Strategy.
 - This pilot action strategy is the implementation plan for priority mitigation projects and strategies in the Neuse Basin

Summary of Deliverables

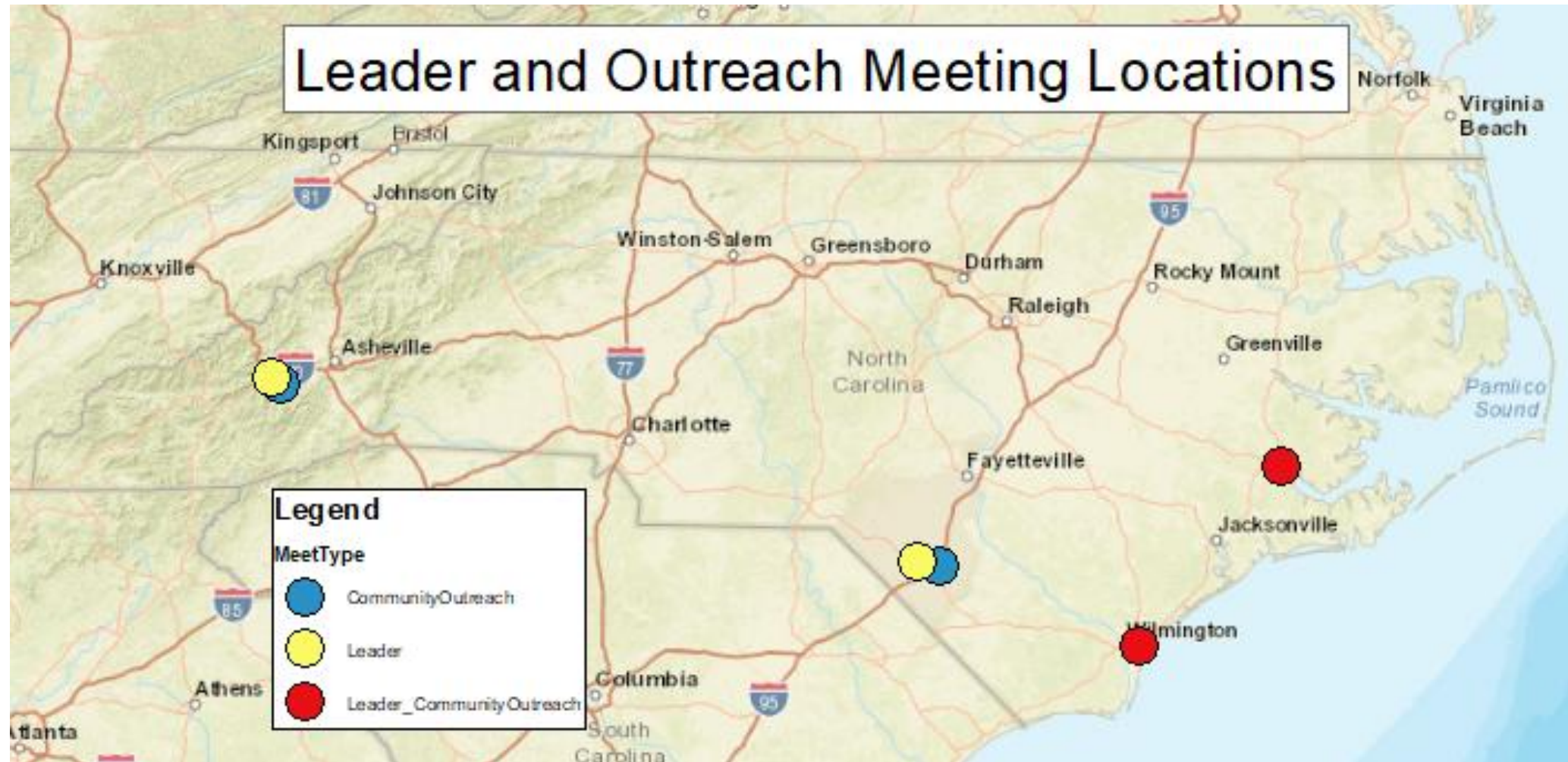
- Phase I scope and deliverables
 - Table including tasks and status
- Budget
- Advisory groups with organizations included

Community Engagement

Summary



Meeting Locations



Engagement

- New Bern- June 1st
 - Local Leaders (11)
 - Neuse River Basin (9)
 - Community Outreach (26)
- Major Topics
 - Changes in Kinston impacts downstream
 - Understanding of what assistance is available after an event



Engagement

- Lumberton June 8th
 - Local Leaders (8)
 - Community Outreach(19)
- Major Topics
 - Regulations around grants (if you use buyout money you can not rebuild)
 - Cohesiveness around actions



Engagement

- Wilmington – June 9th
 - Local Leaders (3)
 - Community Outreach (29)
- Major Topics
 - Ability to accomplish actions efficiently and quickly after an event
 - Data and Science Focused actions



Engagement

- Haywood – June 22nd
 - Local Leaders(20)
 - Community Outreach(19)
- Major Topics
 - Storm debris in the river
 - Number of organizations with regulations to clean up after an event



Looking Forward

- Moment for Feedback from TAGs
 - Lessons learned
 - Suggestions for Future Basin Meetings
- Basin Goals for Community Outreach
- Schedule a Virtual meeting in July that covers local leader's content.
 - All invited to attend.
 - No specific basin information
- Will be recorded and provided on the website.

Website

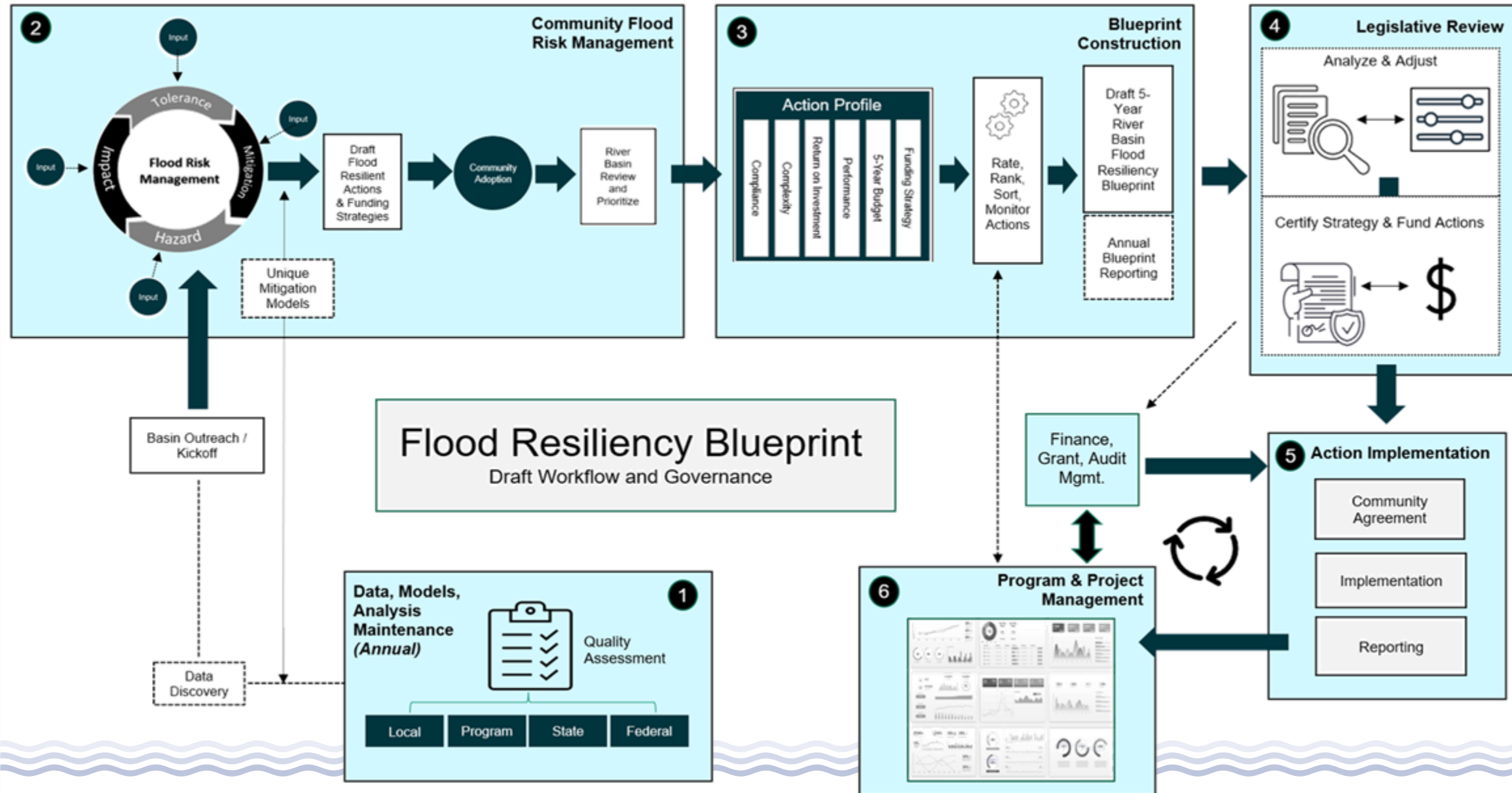
- The Flood Resiliency Blueprint Website is undergoing final revisions and will be released soon.

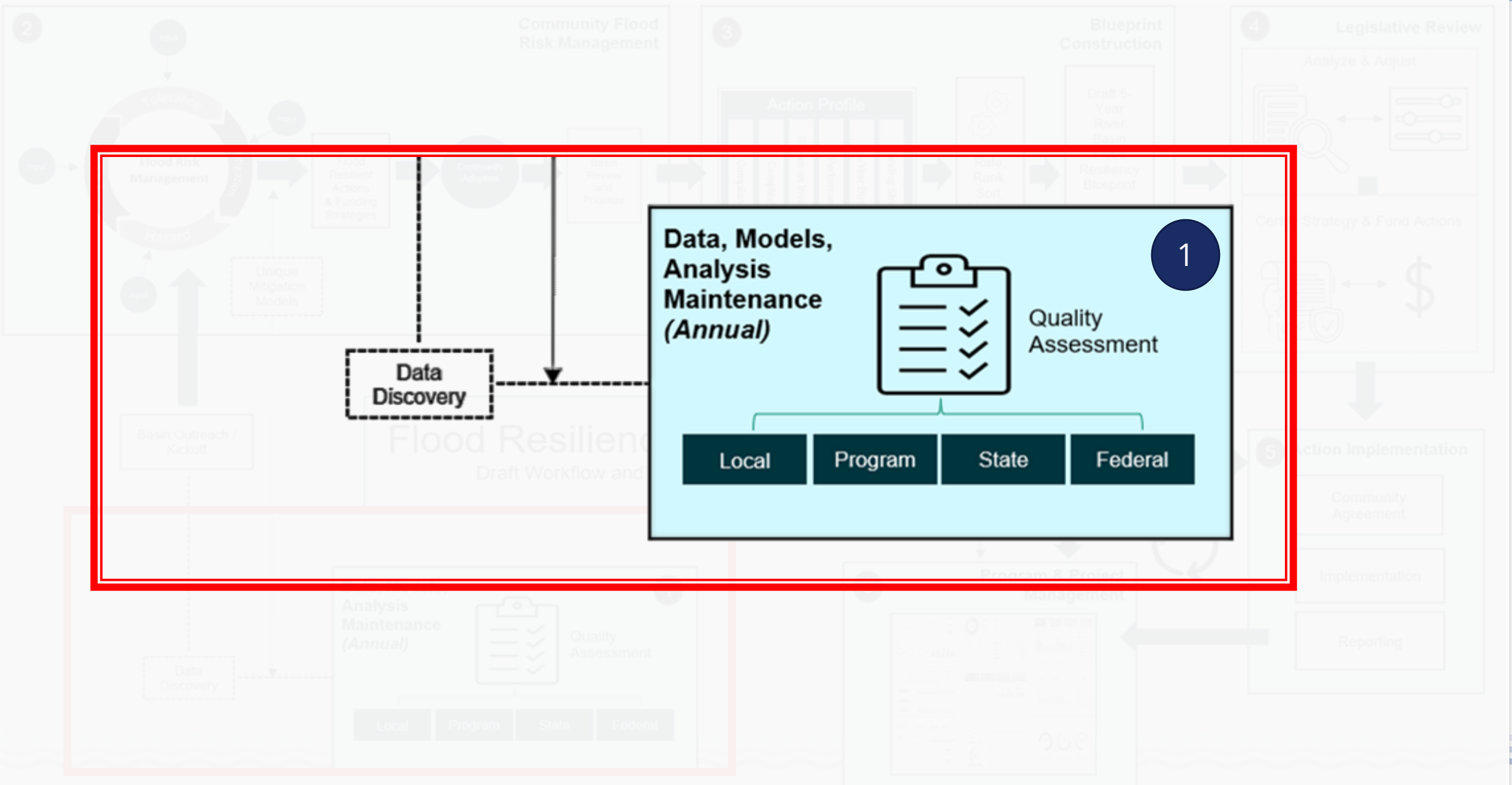


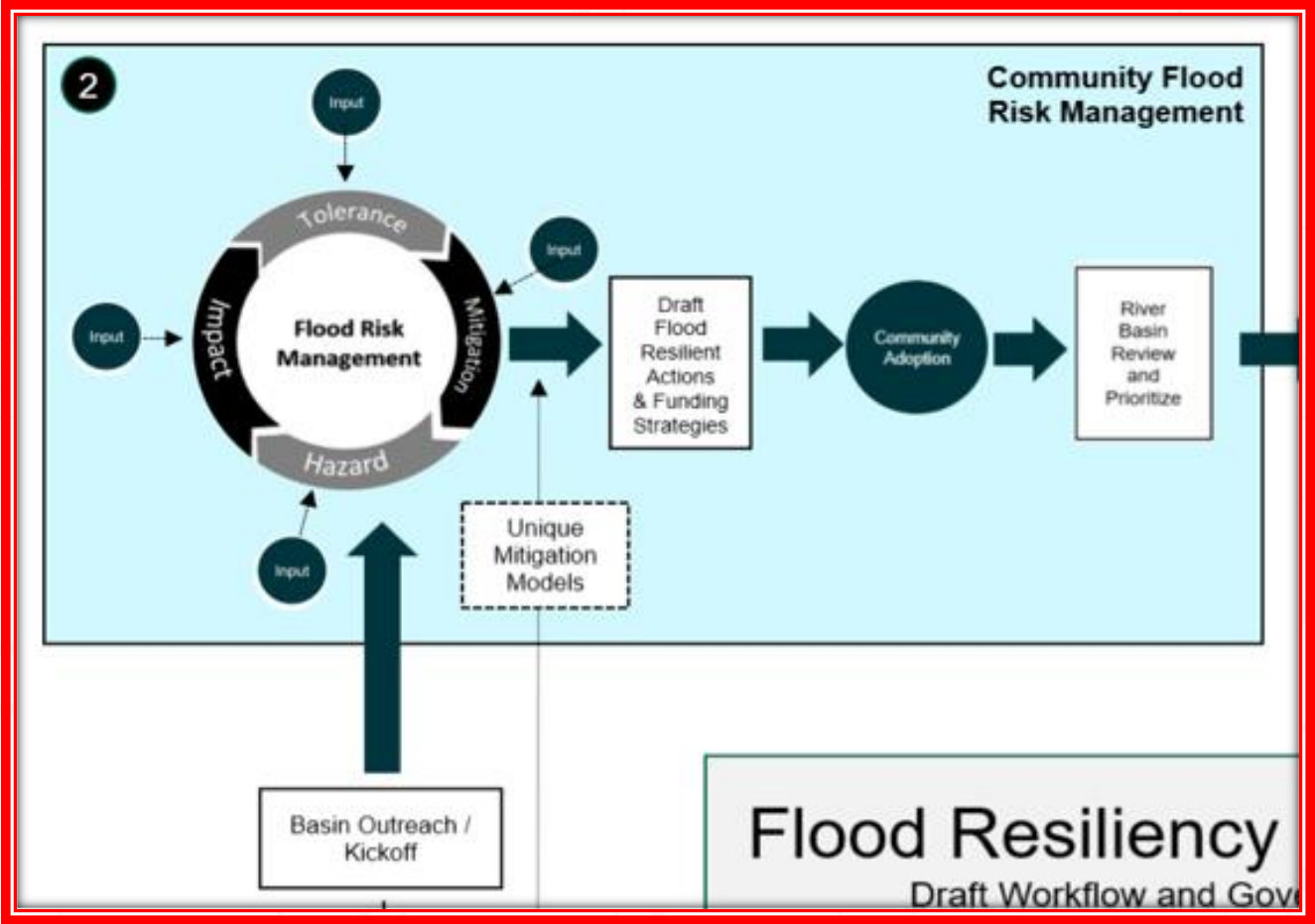
Deep Dive into Draft Governance Schema

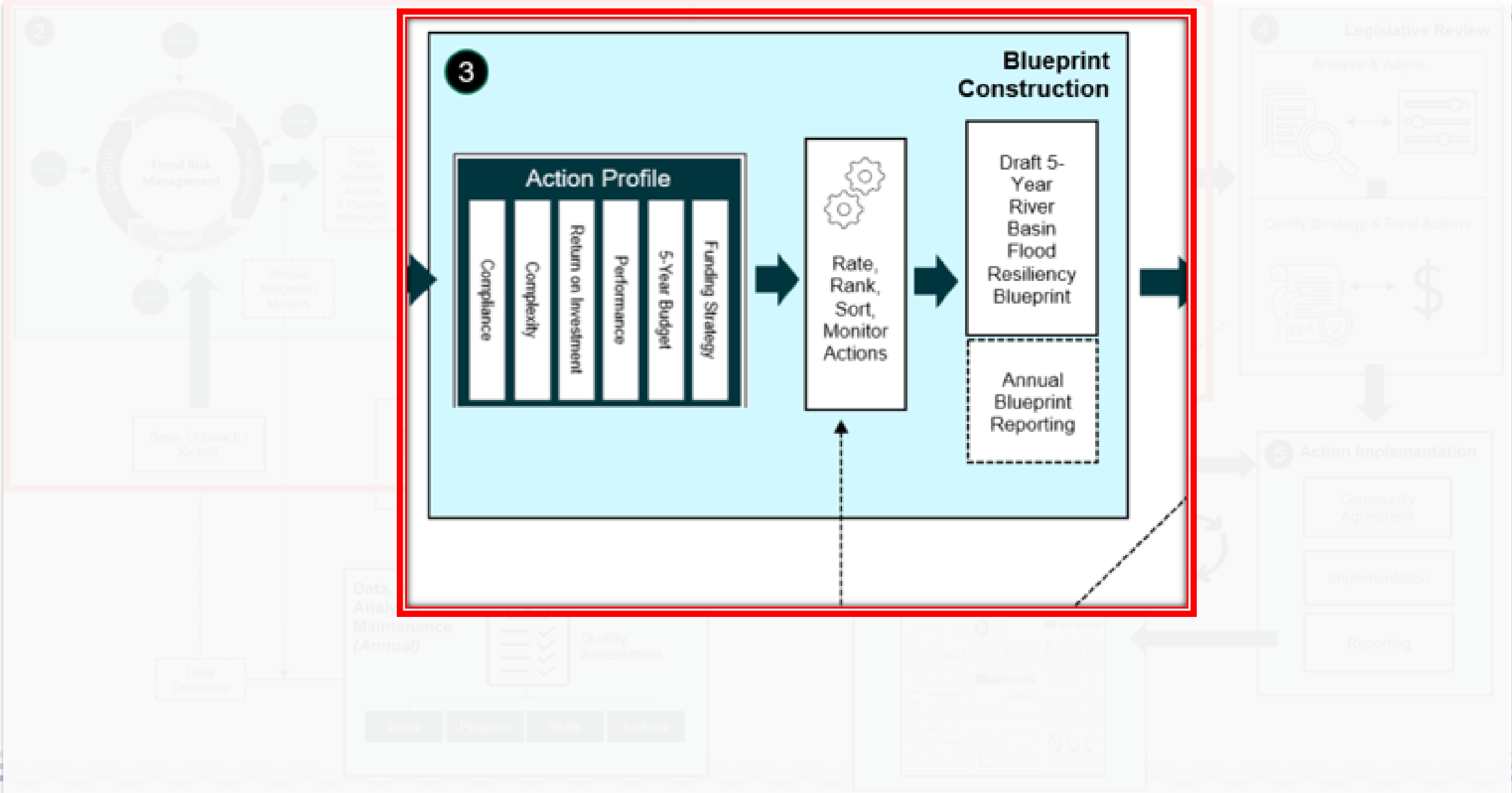


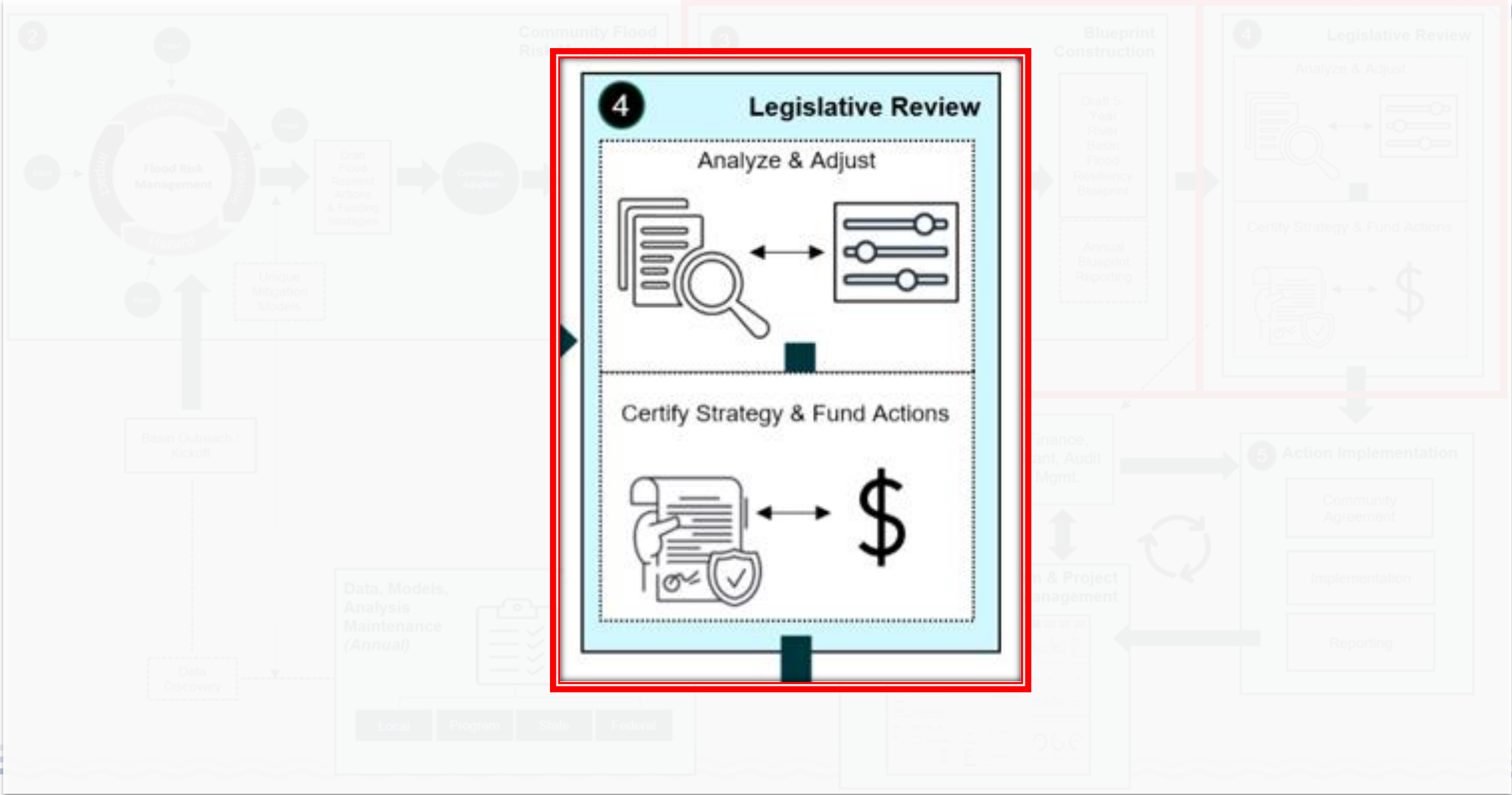
Facilitator

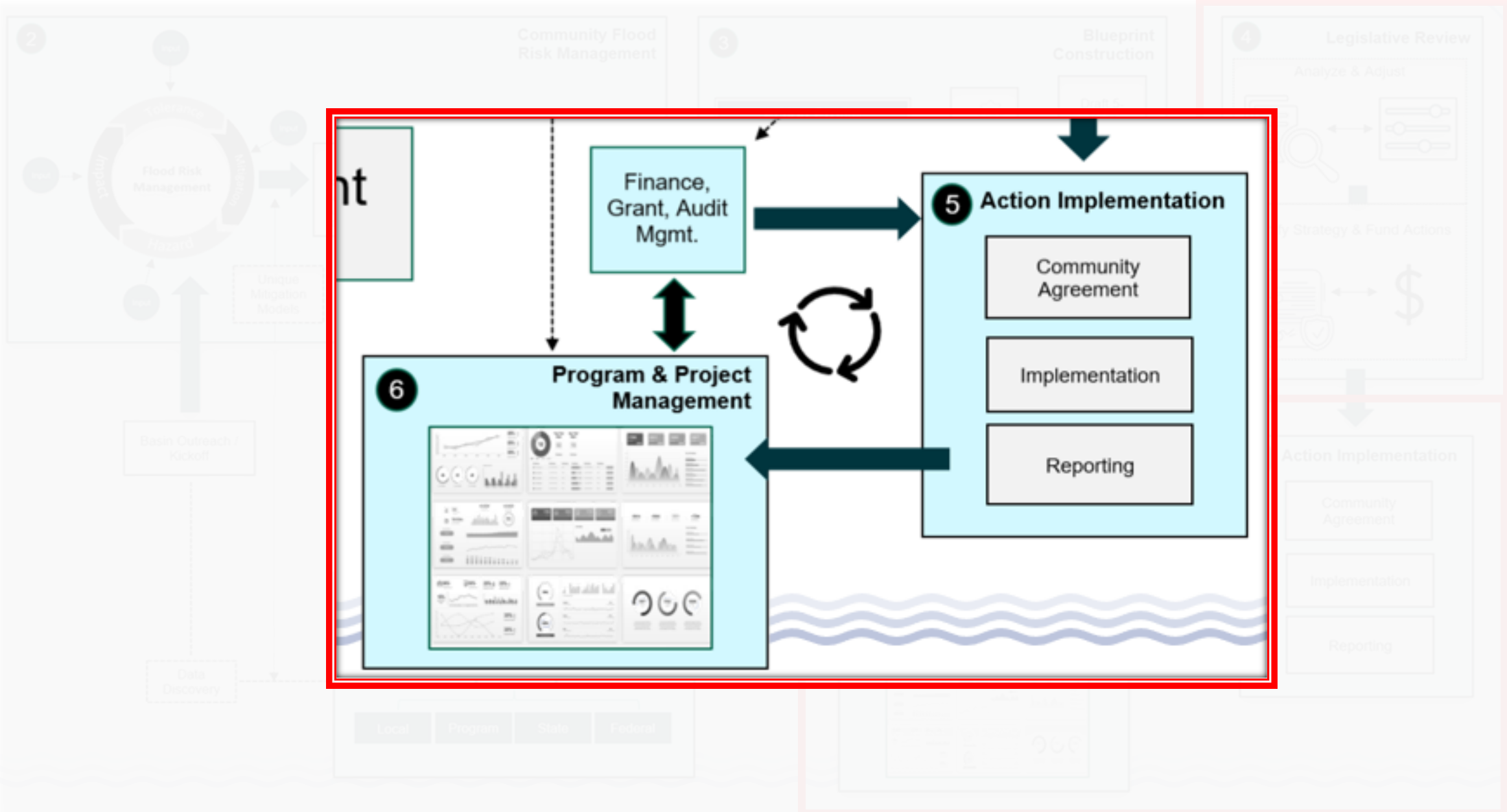


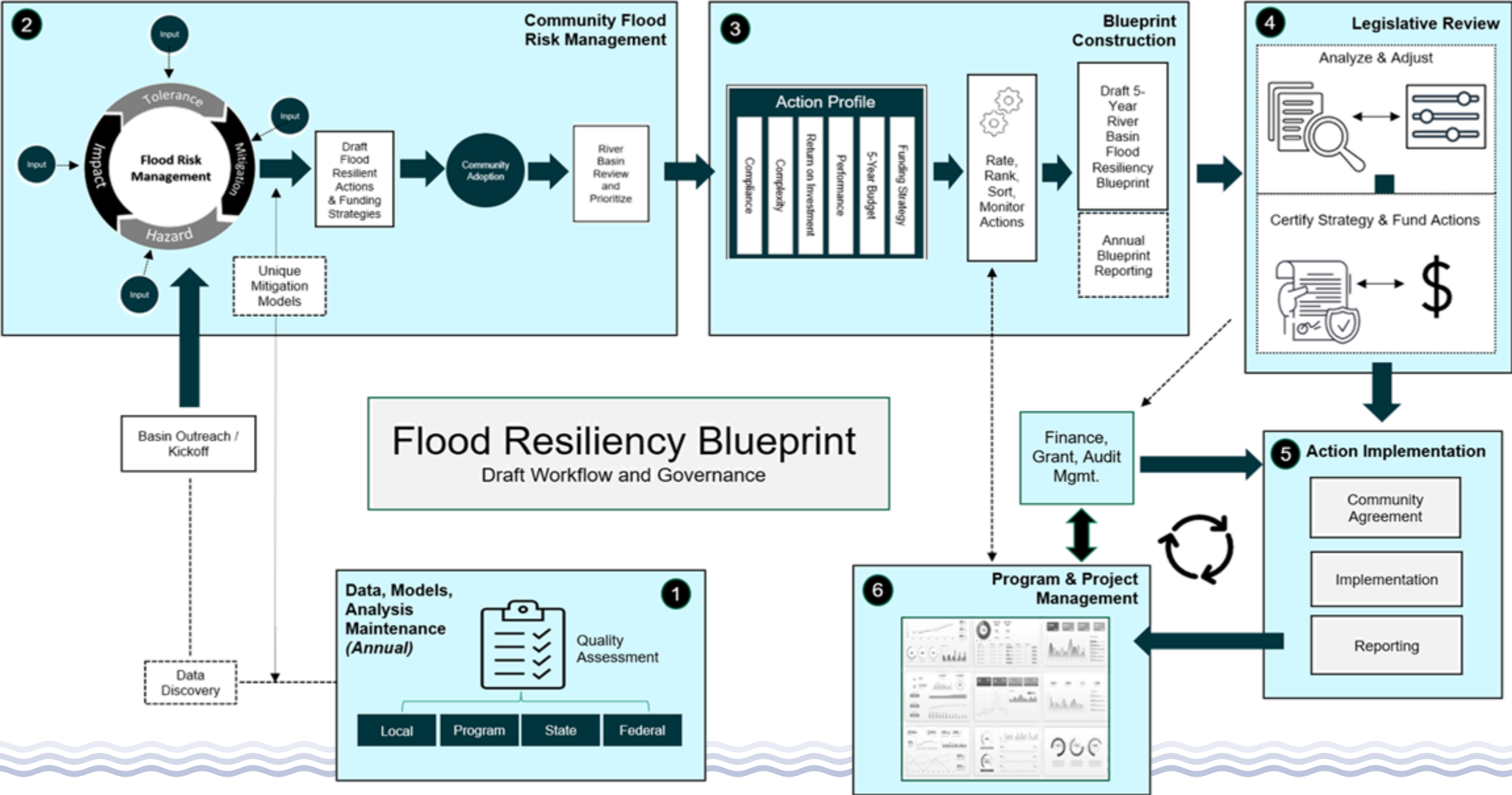














Break



Chair Updates

Governance
Partnership
Hazard

Resilience
Vulnerability
Tools

Neuse



Next Steps

Legislative Update
PM introduction



PAG Meeting- July 18th
TAG Meetings In-person- Green Square- July 25



Open Discussion

