Meeting Agenda - Final

Bay Area Regional Collaborative

Chair, Jesse Arreguin, Mayor, City of Berkeley
Vice Chair, Zach Wasserman, SF Bay Conservation and Development Commission

Friday, May 19, 2023	**10:00 AM**	**Board Room - 1st Floor**

This meeting shall consist of a simultaneous teleconference call at the following location(s):

Office of Contra Costa County Supervisor John Gioia - 11780 San Pablo Ave., Suite D, El Cerrito, CA 94530
Scott Haggerty Heritage House, 4501 Pleasanton Ave, Pleasanton, CA 94566

A Zoom panelist link for meeting participants will be sent separately to Committee members. Meeting attendees may opt to attend in person for public comment and observation at 375 Beale Street, Board Room (1st Floor). In-person attendees must adhere to posted public health protocols while in the building.The meeting webcast will be available at: https://barc.ca.gov/whats-happening/meetings/live-webcast. Members of the public are encouraged to participate remotely via Zoom at the following link or phone number. Committee members and members of the public participating by Zoom wishing to speak should use the "raise hand" feature or dial "*9". In order to get the full Zoom experience, please make sure your application is up to date.
Attendee Link: https://bayareametro.zoom.us/j/81272012076
Or One tap mobile: US: +13462487799,,82642783666# or +14086380968,,82642783666#
Join by Telephone: (for higher quality, dial a number based on your current location):
US: 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)
Webinar ID: 812 7201 2076
International numbers available: https://bayareametro.zoom.us/u/kborLDDAUo
SIP: 81272012076@zoomcrc.com

Detailed instructions on participating via Zoom are available at:
https://abag.ca.gov/zoom-information

Members of the public may participate by phone or Zoom or may submit comments by email at info@bayaremetro.gov by 5:00 p.m. the day before the scheduled meeting date. Please include the committee or board meeting name and agenda item in the subject line.

The BARC Governing Board may act on any item on the agenda.
The meeting is scheduled to begin at 10:00 a.m.
Agenda, roster, and webcast available at https://barc.ca.gov
For information, contact Clerk of the Board at (415) 778-5218.

Governing Board Members
ABAG—Jesse Arreguin, David Hudson, David Rabbitt, Belia Ramos
BAAQMD—David Haubert, John J. Bauters, Mark Ross
BCDC—John Gioia, Dave Pine, Zack Wasserman, Rebecca Eisen
MTC—Alfredo Pedroza, Jim Spering

1. Call to Order / Roll Call / Confirm Quorum

2. Governing Board Member Announcements

3. Chair's Report

3.a **23-0582** Chair's Report for May 19, 2023

Action: Information

Presenter: Chair Arreguin

4. Consent Calendar

4.a 23-0583 Approving the Minutes of the March 17, 2023

Action: Approval

Presenter: Clerk of the Board

Attachments: BARC GB Minutes 20230317 Draft.pdf

4.b **23-0666** BARC Draft Fiscal Year 2023-2024 Budget

Action: Approval

Presenter: Allison Brooks

Attachments: Item 4.b BARC DRAFT FY 2023-24 Operating Budget Memo.pdf

5. BARC Member Agency Executive Director Updates

5.a 23-0584 San Francisco Bay Conservation and Development Commission report for May 19, 2023

Action: Information

Presenter: Larry Goldzband

5.b 23-0585 Bay Area Air Quality Management District

Action: Information

Presenter: Phil Fine

5.c   [23-0586](link)   San Francisco Bay Regional Water Quality Control Board

Action: Information

Presenter: Eileen White

5.d   [23-0587](link)   Association of Bay Area Governments and Metropolitan Transportation Commission

Action: Information

Presenter: Andrew Fremier

5.e   [23-0588](link)   California State Coastal Conservancy

Action: Information

Presenter: Amy Hutzel

6. BARC Executive Directors Update

6.a   [23-0589](link)   Report from BARC's Executive Director

Action: Information

Presenter: Allison Brooks

7. Systems Mapping Project

7.a   [23-0590](link)   Presentation and Discussion of Preliminary Systems Maps and Emerging Questions

Action: Information

Presenter: Matt Chadsey, Non-Linear Ventures, Shelley Jiang, AECOM, Josh Bradt and Allison Brooks, BARC

Attachments: [Item 7.a BARC GB Systems Mapping Project Update Memo_05_19_23.pdf](link)

[Item 7.a BARC Governing Board Slides 5.19_Presentation.pdf](link)

9. Public Comment

10. Meeting Adjournment

The next meeting of the BARC Governing Board will be on July 21, 2023 at 10:00 a.m.

The Governing Board may take action on any item listed in the agenda.

This meeting is scheduled to end promptly at 12:00 p.m. Agenda items not considered by that time may be deferred.

The public is encouraged to comment on agenda items by completing a request-to-speak card and giving it to BARC staff or the chairperson.

Although a quorum of the Governing Board may be in attendance at this meeting, the Governing Board may take action only on those matters delegated to it. The Governing Board may not take any action as the Bay Area Regional Collaborative Governing Board unless this meeting has been previously noticed as a Bay Area Regional Collaborative Governing Board meeting.

Metropolitan Transportation Commission

Legislation Details (With Text)

File #:	23-0583	**Version:** 1	**Name:**	
Type:	Minutes		**Status:**	Consent
File created:	4/7/2023		**In control:**	Bay Area Regional Collaborative
On agenda:	5/19/2023		**Final action:**	
Title:	Approving the Minutes of the March 17, 2023			
Sponsors:				
Indexes:				
Code sections:				
Attachments:	BARC GB Minutes 20230317 Draft.pdf			

Date	Ver.	Action By	Action	Result

Subject:

Approving the Minutes of the March 17, 2023

Presenter:

Clerk of the Board

Recommended Action:

Approval

Meeting Minutes - Draft

Bay Area Regional Collaborative

Chair,Jesse Arreguin, Mayor, City of Berkeley
Vice Chair, Vacant

Friday, March 17, 2023	**10:00 AM**	**Hybrid (In-Person Option Available)**

This meeting shall consist of a simultaneous teleconference call at the following location(s):

Napa County Administration Building, 1195 Third Street, Suite 310-Crystal Conference Room, Napa, CA 94559
Contra Costa Board of Supervisors Building, 11780 San Pablo Ave., Suite D, El Cerrito, CA 94530
Scott Haggerty Heritage House, 4501 Pleasanton Ave, Pleasanton, CA 94566

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Attendee Link: https://bayareametro.zoom.us/j/82642783666
Or One tap mobile: US: +13462487799,,82642783666# or +14086380968,,82642783666#
Join by Telephone: (for higher quality, dial a number based on your current location):
US: 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)
Webinar ID: 826 4278 3666
International numbers available: https://bayareametro.zoom.us/u/kborLDDAUo
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Detailed instructions on participating via Zoom are available at:
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The meeting is scheduled to begin at 10:00 a.m.
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Governing Board Members
ABAG—Jesse Arreguin, David Hudson, David Rabbitt, Belia Ramos
BAAQMD—David Haubert, John J. Bauters, Mark Ross
BCDC—John Gioia, Dave Pine, Zack Wasserman, Rebecca Eisen
MTC—Alfredo Pedroza, Jim Spering

1. Call to Order / Roll Call / Confirm Quorum

Vice Chair Arreguin called the meeting to order at 10:05 a.m. Quorum was achieved at 10:06 a.m

Present: 7 - Arreguin, Gioia, Ramos, Ross, Spering, Wasserman, and Eisen

Absent: 6 - Bauters, Haubert, Hudson, Pedroza, Pine, and Rabbitt

2. Governing Board Member Announcements

There were no Governing Board Member Announcements

3. Chair's Report

3.a   23-0331   Chair's Report for March 17, 2023

There was no Chair's Report

4. Consent Calendar

4.a   23-0332   Approving of the Minutes of the January 17, 2023 BARC Governing Board

Upon the motion by Arreguin and the second by Wasserman the Consent Calendar was approved. The motion passed by the following vote:

Aye: 7 - Arreguin, Gioia, Ramos, Ross, Spering, Wasserman and Eisen

Absent: 6 - Bauters, Haubert, Hudson, Pedroza, Pine and Rabbitt

4.b   23-0491   Appointment of the Vice Chair to the BARC Governing Board for the term 2023-2025

Upon the motion by Ramos and the second by Spering the appointment of Board Member Zack Wasserman to Vice Chair of the BARC Governing Board was approved.. The motion passed by the following vote:

Aye: 7 - Arreguin, Gioia, Ramos, Ross, Spering, Wasserman and Eisen

Absent: 6 - Bauters, Haubert, Hudson, Pedroza, Pine and Rabbitt

5. BARC Member Agency Executive Director Updates

5.a   [23-0334](#)   Bay Area Air Quality Management District report for March 17, 2023

5.b   [23-0335](#)   San Francisco Bay Regional Water Quality Control Board

5.c   [23-0336](#)   Association of Bay Area Governments and Metropolitan Transportation

5.d   [23-0338](#)   San Francisco Bay Conservation and Development Commission

Jessica Fain gave the report.

6. BARC Executive Directors Update

6.a   [23-0339](#)   Report from the BARC Executive Director

Allison Brooks gave the report.

7. Presentation by ABAG/MTC & BCDC

Rachael Hartofelis and Dana Brechwald gave the report.

7.a   [23-0340](#)   Sea Level Rise Funding and Investment Framework Final Presentation

Kate Hartley gave the report.

8. Presentation by BAHFA

8.a   [23-0333](#)   Overview of Bay Area Housing Finance Authority (BAHFA) and Regional
Funding
Measure

9. Public Comment

Joe gave public comment

10. Adjournment/Next Meeting

The meeting was adjourned at 11:43 a.m.

Metropolitan Transportation Commission

Legislation Details (With Text)

File #:	23-0584	**Version:** 1	**Name:**		
Type:	Report		**Status:**	Informational	
File created:	4/7/2023		**In control:**	Bay Area Regional Collaborative	
On agenda:	5/19/2023		**Final action:**		
Title:	San Francisco Bay Conservation and Development Commission report for May 19, 2023				
Sponsors:					
Indexes:					
Code sections:					
Attachments:					

Date	Ver.	Action By	Action	Result

Subject:

San Francisco Bay Conservation and Development Commission report for May 19, 2023

Presenter:

Larry Goldzband

Recommended Action:

Information

File #:	23-0585	**Version:** 1	**Name:**
Type:	Report	**Status:**	Informational
File created:	4/7/2023	**In control:**	Bay Area Regional Collaborative
On agenda:	5/19/2023	**Final action:**	
Title:	Bay Area Air Quality Management District		
Sponsors:			
Indexes:			
Code sections:			
Attachments:			

Date	Ver.	Action By	Action	Result

Subject:

Bay Area Air Quality Management District

Presenter:

Phil Fine

Recommended Action:

Information

Metropolitan Transportation Commission

Legislation Details (With Text)

File #:	23-0586	**Version:** 1	**Name:**
Type:	Report	**Status:**	Informational
File created:	4/7/2023	**In control:**	Bay Area Regional Collaborative
On agenda:	5/19/2023	**Final action:**	
Title:	San Francisco Bay Regional Water Quality Control Board		
Sponsors:			
Indexes:			
Code sections:			
Attachments:			

Date	Ver.	Action By	Action	Result

Subject:

San Francisco Bay Regional Water Quality Control Board

Presenter:

Eileen White

Recommended Action:

Information

File #:	23-0587	**Version:** 1	**Name:**
Type:	Report	**Status:**	Informational
File created:	4/7/2023	**In control:**	Bay Area Regional Collaborative
On agenda:	5/19/2023	**Final action:**	
Title:	Association of Bay Area Governments and Metropolitan Transportation Commission		
Sponsors:			
Indexes:			
Code sections:			
Attachments:			

Date	Ver.	Action By	Action	Result

Subject:

Association of Bay Area Governments and Metropolitan Transportation
Commission

Presenter:

Andrew Fremier

Recommended Action:

Information

File #:	23-0588	**Version:**	1	**Name:**	
Type:	Report			**Status:**	Informational
File created:	4/7/2023			**In control:**	Bay Area Regional Collaborative
On agenda:	5/19/2023			**Final action:**	
Title:	California State Coastal Conservancy				
Sponsors:					
Indexes:					
Code sections:					
Attachments:					

Date	Ver.	Action By	Action	Result

Subject:

California State Coastal Conservancy

Presenter:

Amy Hutzel

Recommended Action:

Information

File #:	23-0589	**Version:**	1	**Name:**	
Type:	Report			**Status:**	Informational
File created:	4/7/2023			**In control:**	Bay Area Regional Collaborative
On agenda:	5/19/2023			**Final action:**	
Title:	Report from BARC's Executive Director				
Sponsors:					
Indexes:					
Code sections:					
Attachments:					

Date	Ver.	Action By	Action	Result

Subject:

Report from BARC's Executive Director

Presenter:

Allison Brooks

Recommended Action:

Information

Metropolitan Transportation Commission

Legislation Details (With Text)

File #:	23-0590	**Version:** 1	**Name:**	
Type:	Report		**Status:**	Informational
File created:	4/7/2023		**In control:**	Bay Area Regional Collaborative
On agenda:	5/19/2023		**Final action:**	
Title:	Presentation and Discussion of Preliminary Systems Maps and Emerging Questions			
Sponsors:				
Indexes:				
Code sections:				
Attachments:	Item 7.a BARC GB Systems Mapping Project Update Memo_05_19_23.pdf			
	Item 7.a BARC Governing Board Slides 5.19_Presentation.pdf			

Date	Ver.	Action By	Action	Result

Subject:

Presentation and Discussion of Preliminary Systems Maps and Emerging Questions

Presenter:

Matt Chadsey, Non-Linear Ventures, Shelley Jiang, AECOM, Josh Bradt and Allison Brooks, BARC

Recommended Action:

Information

Bay Area
Regional
Collaborative

DATE: May 19, 2023

TO: BARC Governing Board

FROM: Allison Brooks, BARC Executive Director

RE: *BARC Systems Mapping Project Update*

Over the past several months, BARC has worked with its consultant team of AECOM, Non-Linear Ventures, and the Bay Area Climate Adaptation Network (BayCAN) to conduct Systems Analyses of Regional Agencies' existing efforts in the Climate Adaptation and Resilience and high-level assessment of associated Technical Assistance programs. The goal is to understand the drivers, scope, and breadth of each BARC members agency's roles and responsibilities in the field of climate adaptation, how these efforts relate to each other, and how they intersect with other levels of government (federal, state, local) and communities under increasing threat of climate hazards. When this project is complete, we will have a more comprehensive understanding of how the current regional climate adaptation "system" is operating, identifying gaps, overlaps and specific areas of improvement that can be addressed through the development of a Regional Multi-Hazed Adaptation Plan and a Climate Adaptation Technical Assistance Program (Initiatives 1 and 2, respectively, of the BARC Shared Work Plan, approved May 2022) in partnership with many stakeholders invested in climate adaptation across the region.

The project team has conducted desktop research of each BARC member agency to catalogue key climate adaptation legislative mandates, policies, planning documents, and programs. Subsequent interviews with key management and program staff verified, added, and contextualized this research to get a fuller picture of what is currently being done within each agency. The team created draft systems maps by agency and by climate hazard, that illustrate existing activities and relationships, or lack thereof. Some of those maps will be presented to the BARC Governing Board at our meeting on May 19, 2023.

Out of the in-depth systems analyses have emerged some observations and learnings that will help the BARC member agencies and our myriad partners discern where we can best focus our efforts to overcome obstacles to progress and work through tensions points that need more careful attention in order to help foster a high functioning climate adaptation system. The project team will return to the Government Board in July with its draft final report and next steps.

Regional Climate Change Adaptation Systems Mapping

Bay Area
Regional
Collaborative

BARC Governing Board Meeting

May 19, 2023

AECOM and Nonlinear Ventures

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Agenda

01 Project Objectives & Approach

02 Case Studies & Regional Maps

03 Emerging Observations

04 Next Steps & Discussion

Project Overview & Objectives

Climate Adaptation in the Bay Area

Climate Hazards

Major climate hazards already impacting the Bay Area include:

- Drought
- Inland flooding
- Extreme heat
- Coastal flooding
- Wildfire
- Water quality
- Air quality

Climate Adaptation

"Adjustments in ecological, social or economic systems in response to actual or expected climatic stimuli and their effects. It refers to changes in processes, practices, and structures to moderate potential damages or to benefit from opportunities associated with climate change."

Source: United Nations Framework Convention on Climate Change

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Regionalism and Adaptation

Photo Credit: European Space Agency

*"**The region is the one that has the big picture.** We see the patterns, we see the commonalities, we see the things that go wrong when people don't see the big picture. **We see the cascading impacts and the unintended consequences, and it's our job to understand those,** make those known, and set the standards that can prevent them from happening."*
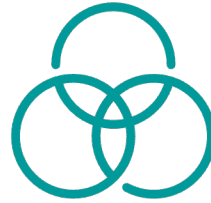
– BARC member agency interview with AECOM

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Project Objectives

Map the Existing System

Delineate how **BARC member agencies** and **state and federal partners** currently address climate resilience and adaptation

Identify Challenges & Opportunities

Identify **gaps, overlaps, and areas for improvement** to support regional adaptation planning and implementation

Lay the Groundwork

Consider next steps to help **advance adaptation planning and technical assistance** in the region

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Engagement Process – Regional Agencies & Stakeholders

BARC PMT Meetings

Overall project direction and feedback. PMT members are denoted with a star (*) below.

Interviews & Systems Maps Review

Discussions with staff including Program Directors, Program Managers, and Planners, about each agency's climate adaptation work:

MTC/ABAG	BAAQMD	SCC	SF Bay WB	Caltrans D4	BCDC
• Ashley Nguyen • Caitlin Sweeney* • Dave Vautin • Georgia Dohrmann* • Stefanie Hom* • Jeanette Weisman • Rachael Hartofelis* • Heidi Nutters* • Aleka Seville	• Wendy Goodfriend • Abby Young • Jamesine Gibson Rogers* • Judith Cutino • Ranyee Chiang • Arena Flores	• Jessica Davenport* • Evyan Sloane	• Lisa Horowitz McCann* • Xavier Melanson-Fernandez • Setenay Bozkurt-Frucht	• Tanzeeba Kishwar • Erik Alm* • Vishal Ream-Rao* • Ellen Doudna	• Jessica Fain • Dana Brechwald* • Eric Buehmann • Ethan Lavine • Jackie Mandoske* • Dan Hossfeld

BARC Executive Director and Governing Board Meetings

Guidance & input on process and findings.

Technical Assistance-Focused Stakeholder Engagement

Local gov't	CBOs	TA Providers

Survey to BayCAN members

Focus Group Discussions

BayCAN Quarterly Meeting

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Engagement Process – Federal and State Agencies

Region 9

Region 9

Key Progress to Date

1 Documented climate adaptation actions being undertaken by regional, state, and federal agencies

2 Catalogued and diagrammed each BARC member agency's guiding strategies, research and planning, programs, and relationships on climate adaptation.
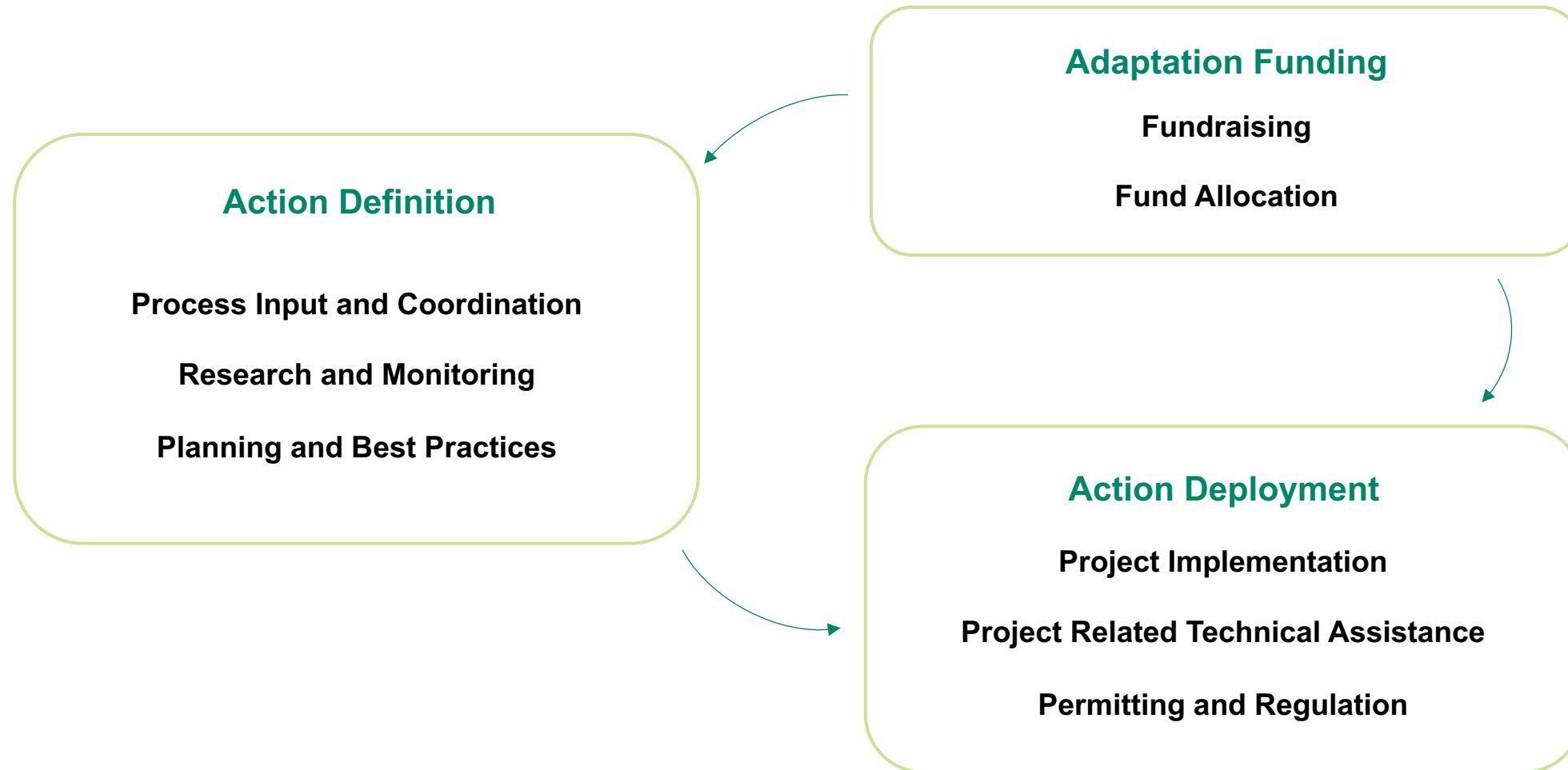
	Federal	State	Regional
Facilitate	67	167	81
Research	59	105	23
Plan	22	90	40
Finance	29	54	12
Formalize	23	49	16
Implement	11	35	19

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Case Studies and Regional Maps

We will now move to Plectica to explore a selection of the systems maps developed for this project

AECOM

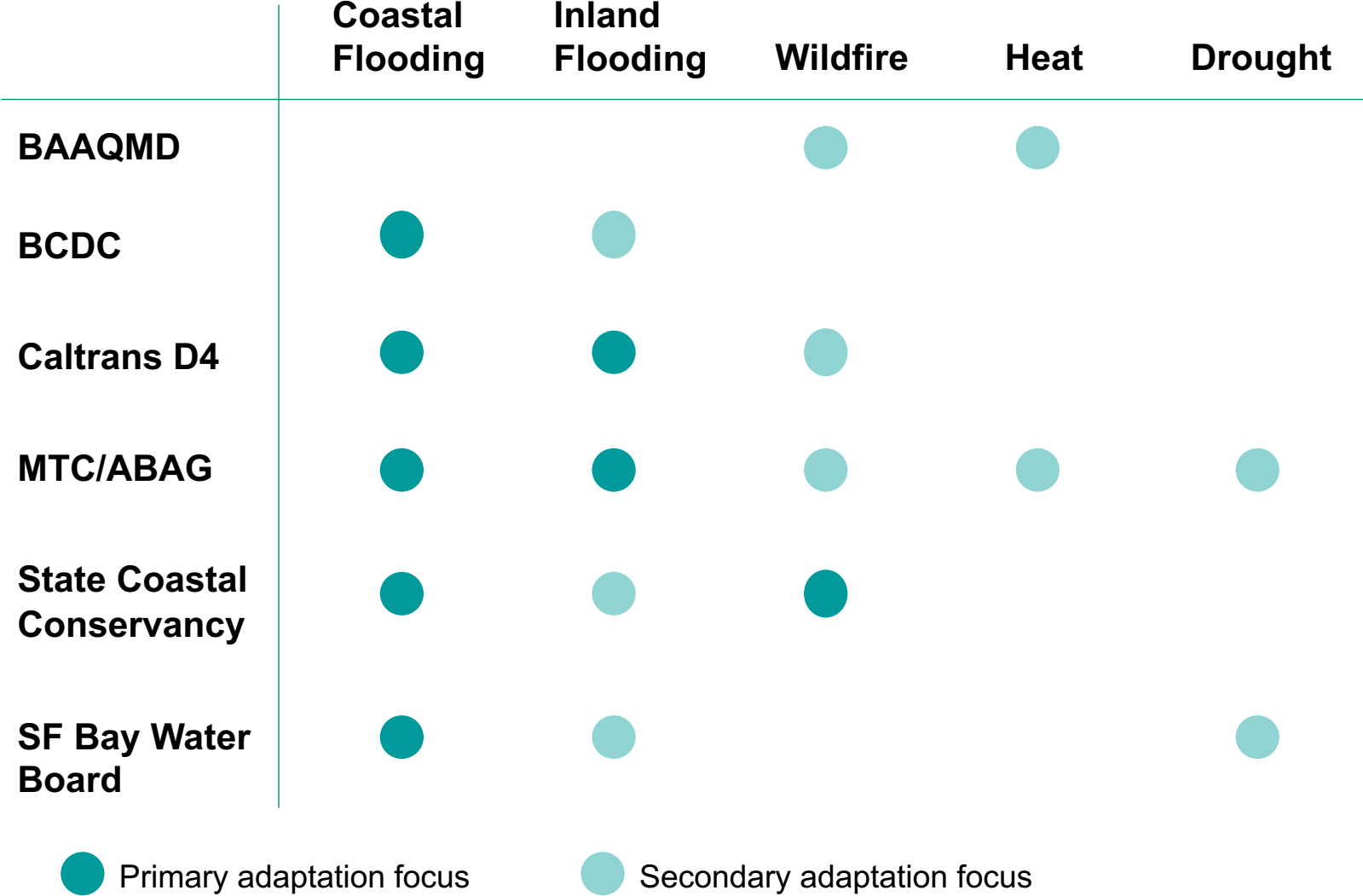Delivering a better world

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Systems Mapping

Understand in detail how adaptation is happening in the region today based on interviews and research.

Adaptation Funding

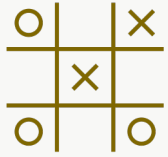**Fundraising**

Fund Allocation

Action Definition

Process Input and Coordination

Research and Monitoring

Planning and Best Practices

Action Deployment

Project Implementation

Project Related Technical Assistance

Permitting and Regulation

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Observations

Regional adaptation activity varies greatly by climate hazard

	Coastal Flooding	Inland Flooding	Wildfire	Heat	Drought
BAAQMD			●	●	
BCDC	●	●			
Caltrans D4	●	●	●		
MTC/ABAG	●	●	●	●	●
State Coastal Conservancy	●	●	●		
SF Bay Water Board	●	●			●

● Primary adaptation focus   ● Secondary adaptation focus

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Existing adaptation efforts are often piecemeal, despite substantial coordination

Agency adaptation efforts are limited by their **authorities** and **jurisdictional boundaries.**
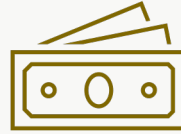
Available resources, grant cycles, and funding drive much of current adaptation efforts – not strategic planning and needs on the ground.

With limited capacity and resources, agencies are often in **emergency management mode** in responding to climate hazards.

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Barriers to **scaling up** adaptation planning and implementation

Inherent uncertainty about the scale and timing of climate impacts leads to uncertainty about the **sequencing, timing, and prioritization of adaptation actions**

Agencies, partners, communities face **a lack of capacity and expertise**.

The current adaptation funding system is not designed to deliver funding **equitably and effectively at the scale we need.**

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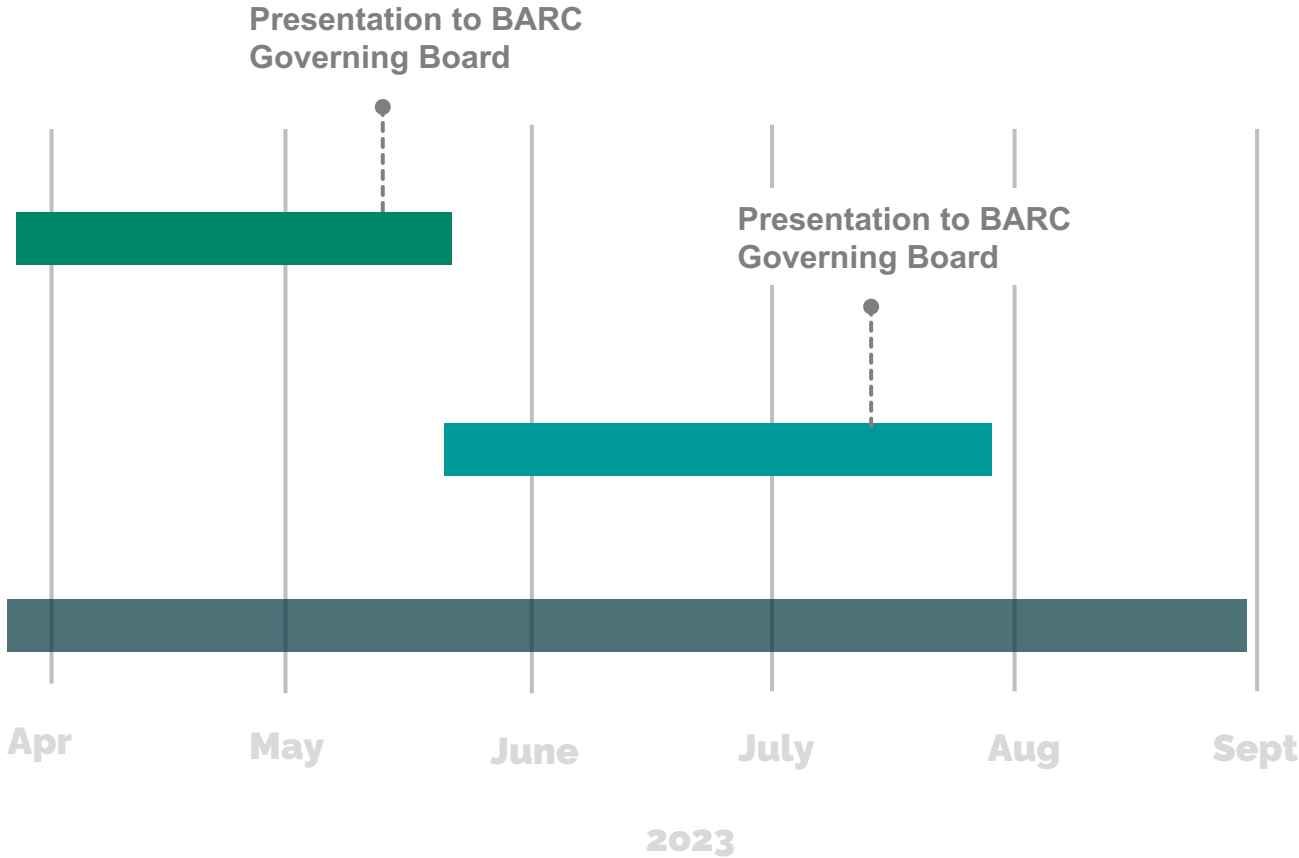
Next Steps & Discussion

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Next Steps

BARC member agency research
April – May 2023

Assessment report
May – July 2023

PMT meetings
Dec 2022 – Aug 2023

Presentation to BARC
Governing Board

Presentation to BARC
Governing Board

Apr   May   June   July   Aug   Sept

2023

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Questions to Consider for a Regional Multi-Hazard Adaptation Plan

1. **Should there be regional coordination and leadership for every climate hazard?**
   How can the region work together to address extreme heat, drought, or wildfire?

2. Where can **regional agencies bring the greatest value in advancing adaptation**?

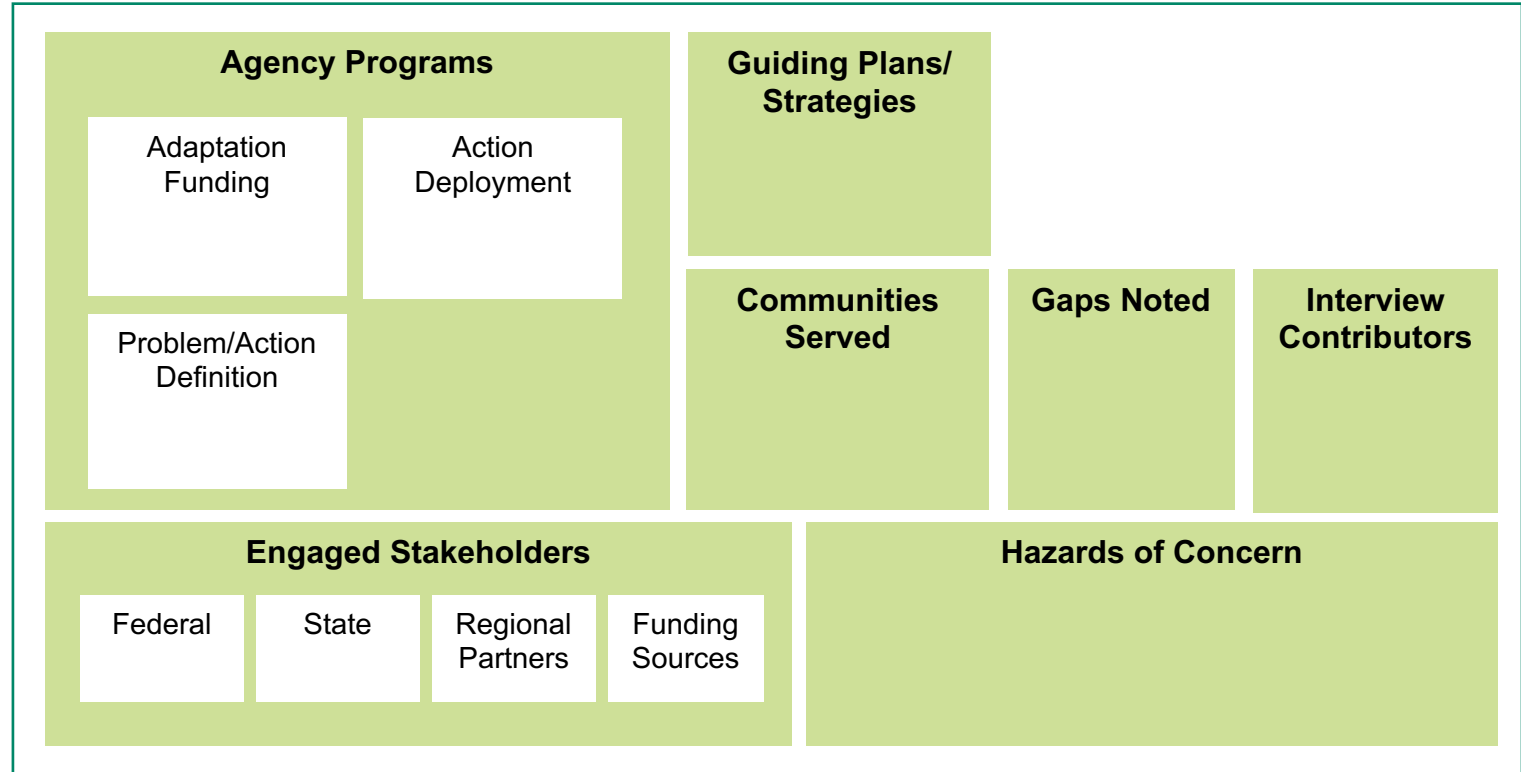3. How can we **balance the tension** between:

   - The need to rapidly increase the scale and speed of adaptation efforts; and

   - The time and resources necessary for an inclusive community-based planning process and the imperative to address equity?

Questions and Discussion

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Appendix

Agency Map Layout

❑ **Agency Programs:** Only adaptation programs are included here, not mitigation programs or general operations.

❑ **Guiding Plans:** Key documents that inform adaptation strategy and implementation. The list is not intended to be comprehensive.

❑ **Communities Served:** Primary audiences of each program, with the understanding that most programs touch most audiences in some way.

❑ **Gaps:** Gaps raised during agency interviews.

❑ **Engaged Stakeholders:** An agency's relationships, including funders, collaborators, and regulators, etc. Specific links are illustrated with a colored dot when known. County/municipal stakeholders are generalized due to the number involved.

❑ **Hazards of Concern:** Primary hazards are indicated with a thick arrow. Other hazards considered have a thin arrow.

Diagram boxes:
- **Agency Programs**
  - Adaptation Funding
  - Action Deployment
  - Problem/Action Definition
- **Guiding Plans/ Strategies**
- **Communities Served**
- **Gaps Noted**
- **Interview Contributors**
- **Engaged Stakeholders**
  - Federal
  - State
  - Regional Partners
  - Funding Sources
- **Hazards of Concern**

Regional Agency Systems Maps

System maps of each of the regional agencies are linked below. You do not need a Plectica account (free) to view.

- [BAAQMD](#)

- [BCDC](#)

- [Caltrans D4](#)

- [MTC-ABAG](#)

- [MTC-ABAG – SFEP](#)

- [SCC](#)

- [SF Bay Water Board](#)

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