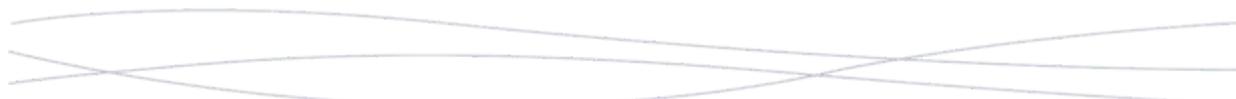




Commission Workshop Five: Implementation



San Francisco Bay Conservation
and Development Commission

Agenda

- 1:30 Welcome and Introduction
- 1:45 Presentation and Q&A
- 2:15 Action scoping exercise
- 3:15 Report back and discussion
- 3:45 Wrap Up and Next Steps

Commission Workshop Series

- Five Year Review: Climate Change Policies
- Regional Resilience: Current Efforts, Regional Issues
- Prioritizing Regional Actions: Sticker Voting!
- Commission Consideration of Future Actions
- Commission Vote on Rising Sea Level Priorities



Commission Adaptation Actions

On October 6, 2016, the Commission voted to take up the following actions:

- ✓ Regional Adaptation Plan
- ✓ Complete County-Scale Climate Adaptation Plans
- ✓ Explore Institutional Arrangements
- ✓ Increase the Resilience of Regional Assets
- ✓ Modifications to Commission's Laws, Policies, Regulations and Practices
- ✓ A Regional Education Campaign
- ✓ A Regional Data Portal
- ✓ Commission Working Group on Financing the Future





Commission Actions Preamble

At the October 6, 2016 Commission meeting the Commission requested that staff develop a preamble to provide principles to guide how the actions would be implemented. Staff proposes using the ART approach to implement the actions. The ART approach is:

Sustainable from Start to Finish

Considers the relevance and implications of all aspects of sustainability – society & equity, economy, environment and governance - in each step of the planning process from scoping to implementation.

Collaborative by Design

Develops trust among stakeholders, shared understanding of the issues, buy-in for collaborative problem solving, and improved capacity to address issues

A Transparent Process

Maintains transparency throughout and provides tools to ensure clear communication about decisions and outcomes



Commission Actions Preamble

The preamble was developed using the following :

- The ART Program Approach
- Inclusion of the four frames of sustainability – environment, society and equity, economy and governance
- Commission’s 2013 Strategic Plan which identified action on rising sea level as critical to the success of the agency and the region

.....

SOCIETY & EQUITY

Effects on communities and services on which they rely, with specific attention to disproportionate impacts due to existing inequalities.

.....

ECONOMY

Economic values that may be affected such as costs of physical/infrastructure damages or lost revenues during periods of recovery.

.....

ENVIRONMENT

Environmental values that may be affected, including ecosystem functions and services, and species biodiversity.

.....

GOVERNANCE

Factors such as organizational structure, ownership, management responsibilities, jurisdiction, mandates, and mechanisms of participation that affect vulnerability and risk.

Commission Actions Preamble

When working on sea level rise adaptation, the Commission will adhere to the following principles:

- Regional and local economic vitality relies on a strong and functioning network of regional assets.
- All community members need safe and healthy housing, access within their communities to jobs and reliable goods and services. The region should pay particular attention to these issues in disadvantaged communities.
- Healthy and vibrant ecological systems are necessary to maintain the quality of life for natural and human communities. Therefore, the preservation and restoration of these systems must be a priority.
- Understanding and addressing current governance challenges is critical to improve the region's climate resilience and strengthen other aspects of sustainability including economy, equity and the environment.
- The path to climate protection includes reducing emissions and transitioning to alternative forms of transport and energy.





Commission Actions

Timeline, Steps and Outcomes

Timeline for Implementation

Action	Year 1 2017	Year 2 2018	Year 3 2019	Year 4 2020	Year 5 2021	Year 6 & beyond 2022+	
Component of Regional Adaptation Plan	 Regional Adaptation Plan & Regional Asset Adaptation	Regional Working Group & Regional Assessment   		Actions to Protect Regional Natural & Built Assets  		<i>Output:</i> Regional Adaptation Plan 	
	 Innovative Financing	Financing the Future Commission Working Group		<i>Output:</i> Innovative Financing Recommendations			
	 9-County ART	Alameda, Contra Costa, San Mateo, and Marin already completed. Solana, Napa, Sonoma, Santa Clara, San Francisco, and E. Contra Costa to be initiated.				<i>Output:</i> Consistent County Scale Assessments	
	 Education Campaign	Develop and Launch Educational Campaign 					<i>Output:</i> Sustained Campaign 
	 Institutional Arrangements	BCDC Staff Research		<i>Output:</i> Regional Adaptation Plan			
	Distinct from Regional Adaptation Plan	 BCDC Law, Policy, and Regulations	Work initiated with Policies for a Rising Bay and Bay Fill Commissioner Working Group. Moving forward: PRB Recommendations & Bay Fill Working Group Workshops			<i>Output:</i> Updated Law, Policy and Procedures	
 Regional Data Repository		Coordinated Regional Data: MTC, ABAG, BCDC, BAAQMD, SCC, SFEI, SFEP					<i>Output:</i> Data Repository 

Commission's Laws, Policies and Procedures

- ✓ Already initiated
- ✓ First Steps: Existing and completed efforts include Policies for a Rising Bay, Bay Fill Working Group, Commission Workshop Series Workshop 1, Findings from Vulnerability Assessments



Will likely include:

- 2017 Bay Fill Working Group led workshops
- A series of staff working sessions to identify priority actions
- Proposals to Commission for amendments to the San Francisco Bay Plan, including public participation

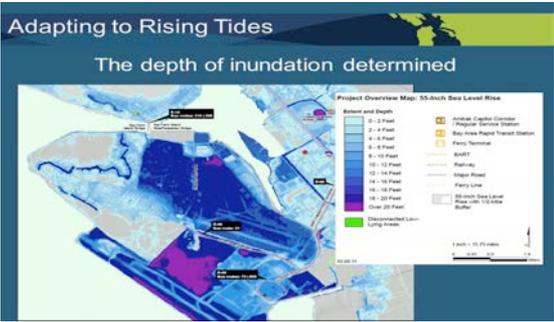
County scale adaptation plans

- ✓ Already initiated
- ✓ First Steps: Coordinate completed assessments



Will include:

- ART Alameda County, ART Contra Costa County, Sea Change San Mateo County, Bay Wave Marin County, C-SMART Marin County
- Support for county-led efforts, identify gaps where an ART Program led project may be needed
- Will contribute to Regional Assessment Plan





Regional Data Portal

- ✓ Already initiated
- ✓ First steps: Inventory of existing data, information and gaps, identify audience

Will include:

- Will not be led by the Commission
- Commission will maintain data developed by BCDC staff to support ART Program and Regional Adaptation Plan, e.g., community indicators and Regional ART maps
- Coordination with State of California, Bay Area Regional Collaborative and others

#1 The Bay Area's most congested corridor in 2015 stretched from the US-101/I-280 interchange to the I-80/Treasure Island interchange, typically lasting from 12:50 PM to 9:30 PM on weekdays.

VITAL SIGNS



cal-adapt

EXPLORING CALIFORNIA'S CLIMATE CHANGE RESEARCH

View Local Profiles
EXPLORE CLIMATE TOOLS
ABOUT CAL-ADAPT

Regional Adaptation Plan

- ✓ Initiate in 2017
- ✓ First steps: Focus on regional assets and coordination of existing assessments

Will include:

- Resilience goals based on the four frames – equity, environment, economy and governance
- Regional working group
- Public participation
- Vulnerability assessment
- Coordination of existing efforts
- Technical support
- Guidance for federal, state, local
- Policy recommendations
- Adaptation options

AN IMPLEMENTATION PLAN FOR THE REGIONAL FRAMEWORK FOR ACHIEVING DEVELOPMENT RESILIENT TO CLIMATE CHANGE

In 2009, significant steps were taken to address climate change in the Caribbean. The Heads of Government of the Caribbean Community (CARICOM):

- Endorsed the Liliendaal Declaration on Climate Change and Development which defines the national and international positions of the CARICOM member states.
- Approved "A Regional Framework for Achieving Development Resilient to Climate Change" (The Framework), prepared by Caribbean Community Climate Change Centre which articulated the strategic direction for the region's response to climate change risks and provided a roadmap for action over the

The IP will deliver transformational change since "business as usual" will result in permanent recession in the economies of the CARICOM

Priority actions under the Implementation Plan

The IP will deliver the strategic elements and goals identified in the Regional Framework and proposes several priority actions. These include, inter-alia:

- Building low carbon climate resilient economies in the Region
- Development of a risk management ethic in decision making
- Improved financial, technical and human resource capacity including improved access to climate change funding mechanisms
- Building effective partnerships with national, regional and international stakeholders

**SOUTHEAST FLORIDA
REGIONAL COMPACT**

**CLIMATE
CHANGE**



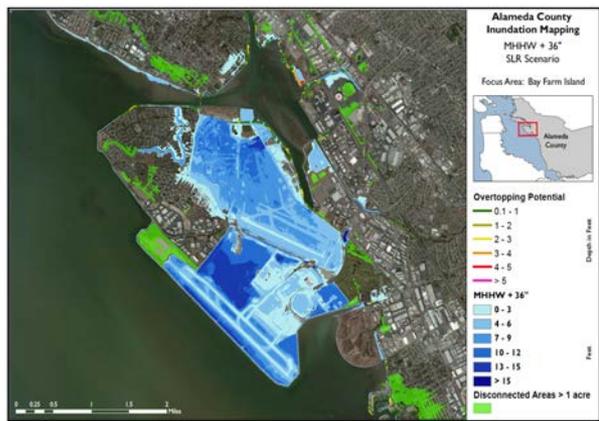


Increase Resilience of Regional Assets

- ✓ Initiate in 2021
- ✓ First step: Regional Adaptation Plan

Will include:

- Evaluation criteria based on the four frames – equity, environment, economy and governance
- Recommendations for priority actions
- Regional working group participation
- Funding and implementation recommendations



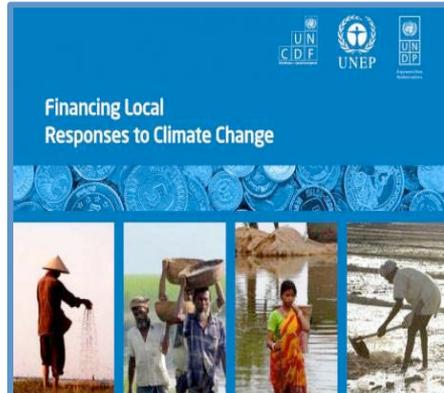


Financing the Future Working Group

- ✓ Initiate in 2017
- ✓ First steps: Form Commission Working Group, identify goals, outcomes, timeline

Other steps will likely include:

- Participation from public, private, NGO and foundation representatives
- Outside experts presenting on innovative financing
- Recommendations for financing and implementation in Regional Adaptation Plan





Explore New Institutional Arrangements

- ✓ Initiate in 2019
- ✓ First step: Issue paper on options, case studies of successful governance approaches to addressing regional scale issues

Will include:

- Literature review
- Case studies of successful examples
- Findings from completed assessments and reports
- Commission briefings
- Briefings to Regional Working Group
- Recommendations for next steps in Regional Adaptation Plan

ecbi 

European capacity building initiative
Initiative européenne de renforcement des capacités

National Institutional Arrangements for Climate Change Action
Mitigation and Adaptation

Luis Gomez-Echeverri
International Institute for Applied Systems Analysis (IIASA)
for sustained capacity building in support of international climate change negotiations
pour un renforcement durable des capacités en appui aux négociations internationales sur les changements climatiques

ENVIRONMENT AGENCY AUSTRIA **umweltbundesamt**

Adaptation as coordination effort

- NAS act as catalysts for the adaptation processes
- 'traditional' governance approaches:
 - Strategies (NAS, mitigation, other strategies tackling climate change adaptation)
 - Boards (inter-ministerial, federal-provincial, advisory boards/consulting bodies)
 - Consultations (classical stakeholder consultations)
- New governance approaches:
 - Transdisciplinary (research) programmes (i.e. cooperation of scientists, planners, decision makers and practitioners on project basis)
 - **partnerships**

„Adaptation opens new ways of cooperation“

Regional Education Campaign

Initiate in 2018

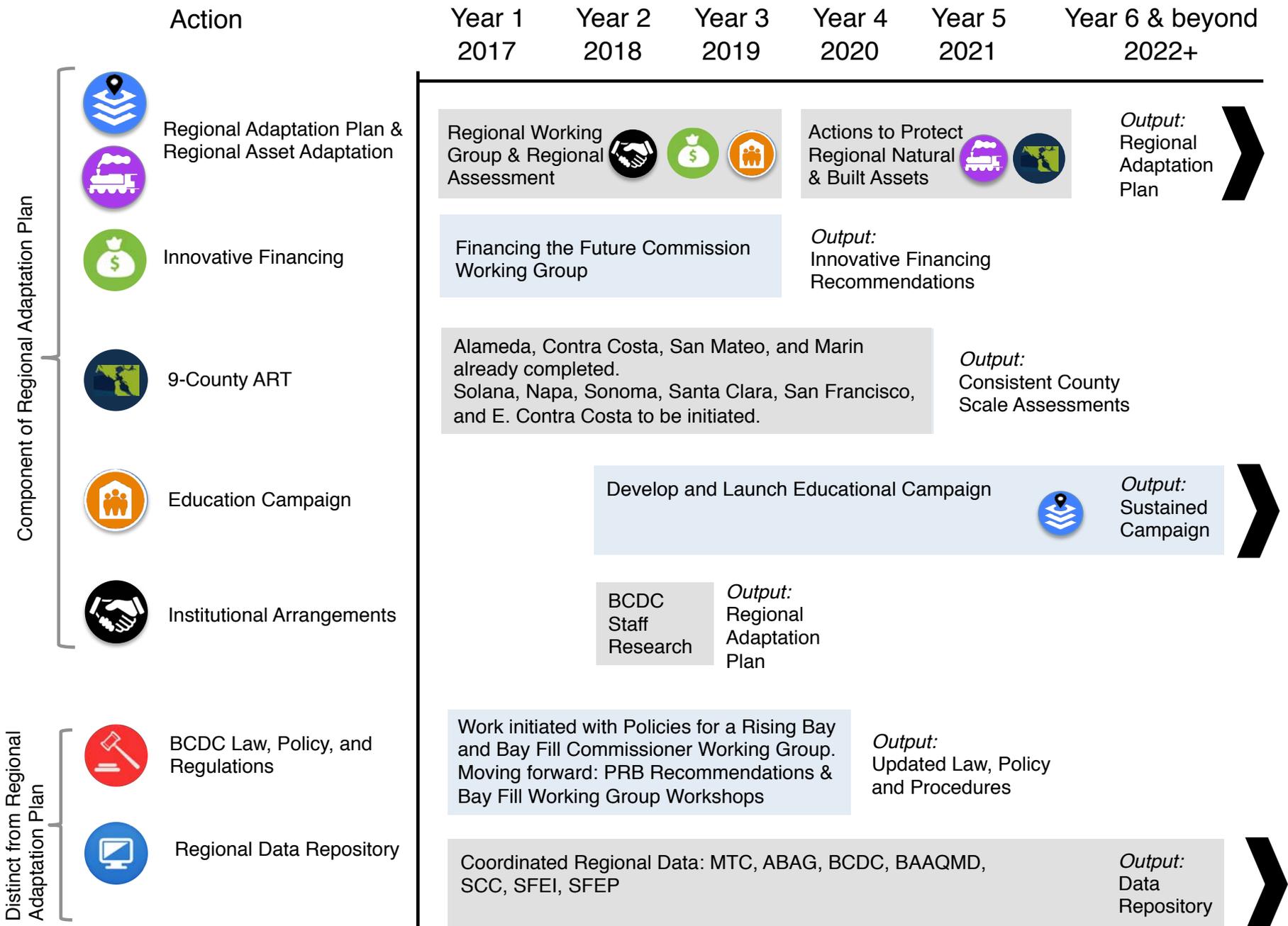
First steps: Regional Adaptation Plan public participation plan and Regional Working Group Education and Outreach subcommittee

Will likely include:

- Building upon existing efforts, learning from what has worked
- Identifying and working with experts in education and science such as The Exploratorium and California Academy for curriculum development
- Focusing on schools, interpretive centers, regional parks and Bay Trail



Timeline for Implementation



Action Scoping Exercise

In the ART Program there are several steps taken to move from key issues and actions to implementation. This afternoon we combined approaches developed by ART to scope two of the actions. We will focus on:

- Timeline and steps for recommendations
- Determine leads, key partners, and stakeholders
- Consider available resources, barriers and opportunities
- Identify potential funding sources and financing options
- Define outcomes and core components



Regional Adaptation Plan (Action 1) & Regional Asset Adaptation Plan (Action 4)

Description: Develop an Adaptation Plan that serves as a framework for implementing future adaptation actions (Action 1) that protect regionally significant natural and built assets from rising sea levels (Action 4).

Desired Outcomes

What should be the core components of the Regional Adaptation Plan? e.g., framing principles, technical guidance, recommended actions, criteria for implementation, etc.

What issues should be addressed? e.g., governance and information challenges, disadvantaged and vulnerable communities, habitat restoration and enhancement, safe and smart growth, etc.

What assets should be included? e.g., networked infrastructure, natural areas, parks, Bay Trail job centers, high density housing, regional transportation and transit, etc.

Resources

What types of information is available?

What people power is available?

What funding is available?

Name the Regional Adaptation Plan for bonus points (prizes to be awarded later)

Stakeholders

Who should co-lead with BCDC?

Who should be an engaged partner?

What kinds of new collaborations and partnerships are needed to ensure all frames of sustainability are considered (society & equity, economy, environment, and governance)?

Names of group members:



Action Scoping Exercise

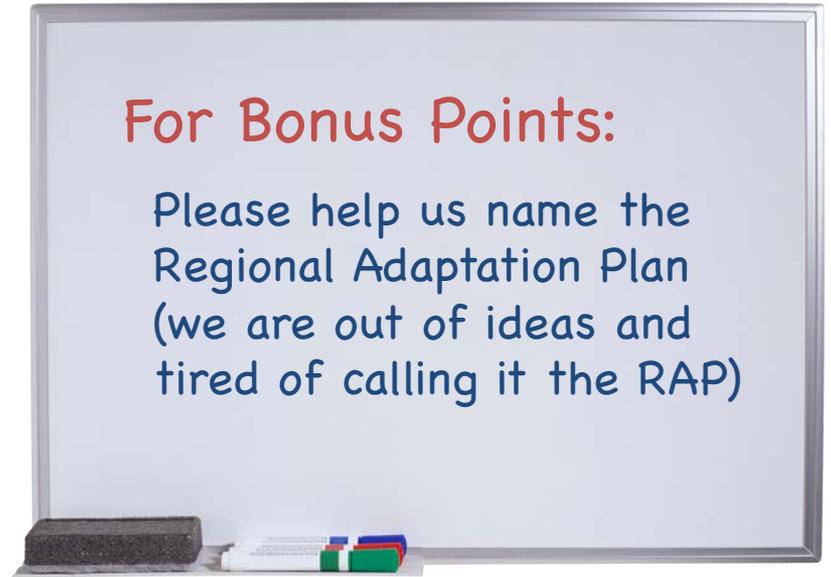
Goal: Help us scope the Regional Adaptation Plan approach, components and process, and actions for regional assets

ART Program team will provide assistance as necessary.

Report back on responses and table discussions. Assign someone from your table to report back.

For Bonus Points:

Please help us name the Regional Adaptation Plan (we are out of ideas and tired of calling it the RAP)



Commission Workshop Series Next Steps

January 19th - Financing the Future Working Group

March 16th - Local and Regional Projects on Parade

April 20th - Bay Fill Working Group Workshop Series

May 18th - Bay Fill Working Group Workshop Series



Thank you!