What's Going On?

A Tapestry of Who's Doing What on Climate Change at the State and Regional Level

Jennifer Morales

DWR Climate Change Program

Integrated Climate Adaptation and Resiliency Program (ICARP)

Who: Gov Office of Planning and Research

When: 2015

What: SB 246, develop a cohesive and coordinated response to the impacts of climate change across the state.

Two components:

- State Adaptation Clearinghouse
- Technical Advisory Council (TAC)

Where:

https://opr.ca.gov/planning/icarp/

Governor's Office of
Planning and Research

2021 State Adaptation Strategy

Who: CNRA (California Natural Resources Agency)

What: Outlines the state's key climate resilience priorities, includes specific and measurable steps, and serves as a **framework for action across sectors and regions** in California. Includes the Framework for Extreme Heat.

Held 10 workshops to determine regional priorities.

Draft is available for public comment till Nov 17.

Webinar and three regional public comment workshops to follow.

When: 2021 update, as required by legislature

Where: [2021 State Adaptation Strategy Update](#)

What: Sea-level rise risk analysis and decision framework

>> **STEP 1:** *Identify the nearest tide gauge.*

>> **STEP 2:** *Evaluate project lifespan.*

>> **STEP 3:** *For the nearest tide gauge and project lifespan, identify range of sea-level rise projections.*

>> **STEP 4:** *Evaluate potential impacts and adaptive capacity across a range of sea-level rise projections and emissions scenarios.*

>> **STEP 5:** *Select sea-level rise projections based on risk tolerance and, if necessary, develop adapation pathways that increase resiliency to sea-level rise and include contingency plans if projections are exceeded.*

State of California Sea-Level Rise Guidance

2018 UPDATE

Where: SLR Guidance

OCEAN PROTECTION COUNCIL

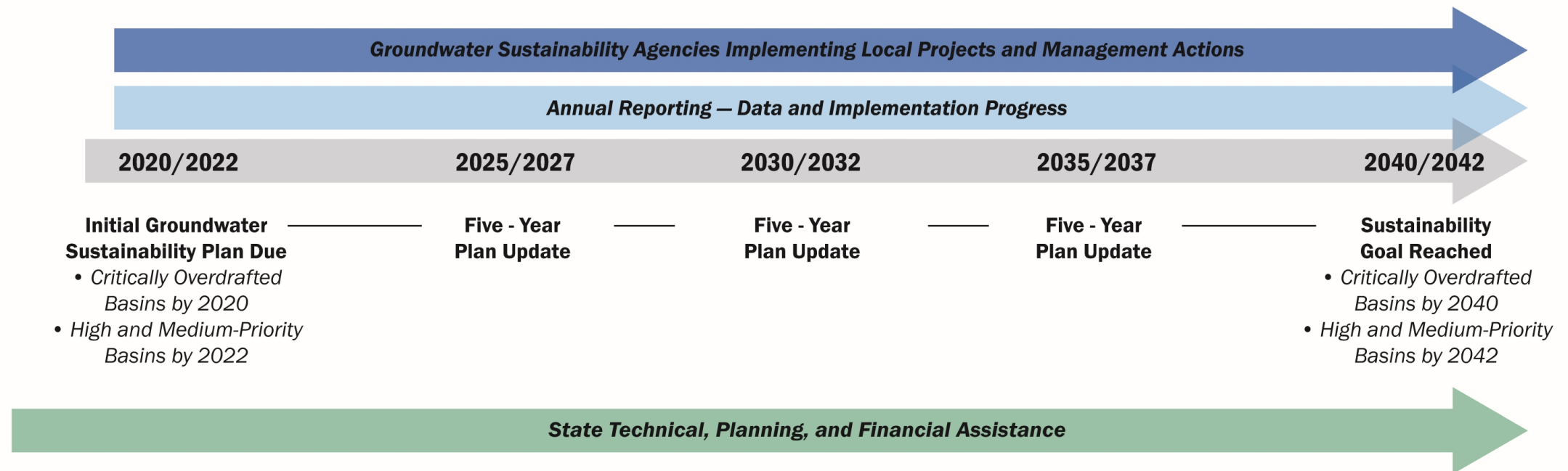# Sustainable Groundwater Management Act (SGMA)

Who: Department of Water Resources

(The Water Board if intervention is needed)

When: Enacted in 2014, plans were due in 2020/22, 5-year plan updates, and sustainability reached by 2040/42, and lasts 50 years.

What: Requires local agencies to form groundwater sustainability agencies (GSAs) for high and medium priority basins. GSAs develop and implement groundwater sustainability plans (GSPs) to avoid undesirable results and mitigate overdraft within 20 years.

Where: [Sustainable Groundwater Management](#)

Sustainable Groundwater Management Act Implementation

Groundwater Sustainability Agencies Implementing Local Projects and Management Actions

Annual Reporting — Data and Implementation Progress

| 2020/2022 | 2025/2027 | 2030/2032 | 2035/2037 | 2040/2042 |

Initial Groundwater Sustainability Plan Due
- *Critically Overdrafted Basins by 2020*
- *High and Medium-Priority Basins by 2022*

Five - Year Plan Update

Five - Year Plan Update

Five - Year Plan Update

Sustainability Goal Reached
- *Critically Overdrafted Basins by 2040*
- *High and Medium-Priority Basins by 2042*

State Technical, Planning, and Financial Assistance

Who: CNRA

What: Conserving 30% of California's lands and coastal waters by 2030

Executive Order N-82-20 accelerated use of nature-based solutions to:

- Align relevant existing state efforts under one cohesive strategy

- ID land management actions that protect climate vulnerable communities

- Achieve carbon neutrality

- Improve public health and safety

- Expand economic opportunity

When: Draft Pathways to 30x30 winter 2021/final in February 2022.

Where: https://www.californianature.ca.gov/

COMING SOON: Launch of the CA Nature Geographic Information System (GIS)

California Water Plan

Who: California Department of Water Resources (DWR)

What: The State's strategic plan for sustainably managing and developing water resources. Presents the status and trends for a range of plausible future scenarios for:

- California's water-dependent natural resources
- Water supplies
- Water demands

The goal for each plan update is to:

- Receive broad input and support from Californians
- Meet California Water Code requirements
- Guide State investments
- Advance IRWM and regional Sustainability

When: Must be updated every 5-years; Next update in 2023

Where: California Water Plan

Wildfire and Forest Resilience Action Plan

Who: Forest Management Task Force

What: The Wildfire and Forest Resilience Action Plan is designed to strategically accelerate efforts to:

- Restore the health and resilience of California forests, grasslands and natural places;

- Improve the fire safety of our communities; and

- Sustain the economic vitality of rural forested areas.

When: Established in 2018, implemented by 2025

Where: Wildfire and Forest Resilience Action Plan

Progress tracker:
https://airtable.com/shr3GYW2AF4sf6Cgg/tbl2ikpAGWBEVULBj

Urban Heat Island Index for California

Who: CalEPA

What: AB 296- Urban Heat Island Index

Quantify the extent and severity of an urban heat island for individual cities so they can develop a quantifiable goal for heat reduction

When: Authorized in 2012, completed in 2015

Where: [Creating and Mapping an Urban Heat Island Index for California](#)

CalEPA
California Environmental
Protection Agency

FOURTH NATIONAL CLIMATE ASSESSMENT
Volume II: Impacts, Risks, and Adaptation in the United States

Who: U.S. Global Change Research Program

What: This assessment was written to help inform decision-makers, utility and natural resource managers, public health officials, emergency planners, and other stakeholders by providing a thorough examination of the effects of climate change on the United States.

When: Every 4 years

Where:
https://nca2018.globalchange.gov/

National Topics

Our Changing Climate

Water

Energy Supply, Delivery & Demand

Land Cover & Land-Use Change

Forests

Ecosystems, Ecosystem Services, & Biodiversity

Coastal Effects

Oceans & Marine Resources

Agriculture & Rural Communities

Built Environment, Urban Systems, & Cities

Transportation

Air Quality

Human Health

Tribes & Indigenous Peoples

Climate Effects on U.S. International Interests

Sector Interactions, Multiple Stressors, & Complex Systems

Regions

Northeast

Southeast

U.S. Caribbean

Midwest

Northern Great Plains

Southern Great Plains

Northwest

Southwest

Alaska

Hawai'i & U.S.-Affiliated Pacific Islands

Responses

Reducing Risks Through Adaptation Actions

Reducing Risks Through Emissions Mitigation

Appendices

Report Development Process

Information in the Fourth National Climate Assessment

Data Tools & Scenario Products

Looking Abroad

Frequently Asked Questions

Alliance of Regional Collaboratives for Climate Adaptation (ARCCA)

Who: A diverse group of thought leaders and on-the-ground practitioners made up of public agencies, nonprofits, universities, and private sector entities.

What: Statewide network of leading Regional Climate Collaboratives working together to build resilience to climate change impacts throughout California by:

- Fostering a robust statewide peer-to-peer network

- Acting as a liaison between state, regional, and local agencies

- Supporting emerging regional collaboratives

- Facilitating the exchange of best practices and replicable strategies

When: Ongoing

Where: Learn more and join ARCCA as an Affiliate Member at www.ARCCAcalifornia.org

North Coast Resource Partnership

SIERRA CAMP

CAPITAL REGION CLIMATE READINESS COLLABORATIVE

BayCAN
BAY AREA CLIMATE ADAPTATION NETWORK

CENTRAL COAST CLIMATE COLLABORATIVE

LARC

Climate Collaborative
SAN DIEGO REGION

North Coast Resource Partnership (NCRP)

Sierra Climate Adaptation & Mitigation Partnership (Sierra CAMP)

Capital Region Climate Readiness Collaborative (CRC)

Bay Area Climate Adaptation Network (BayCAN)

Central Coast Climate Collaborative (4C)

Los Angeles Regional Collaborative for Climate Action and Sustainability (LARC)

San Diego Regional Climate Collaborative (SDRCC)

ARCCA

CALIFORNIA LANDSCAPE STEWARDSHIP NETWORK

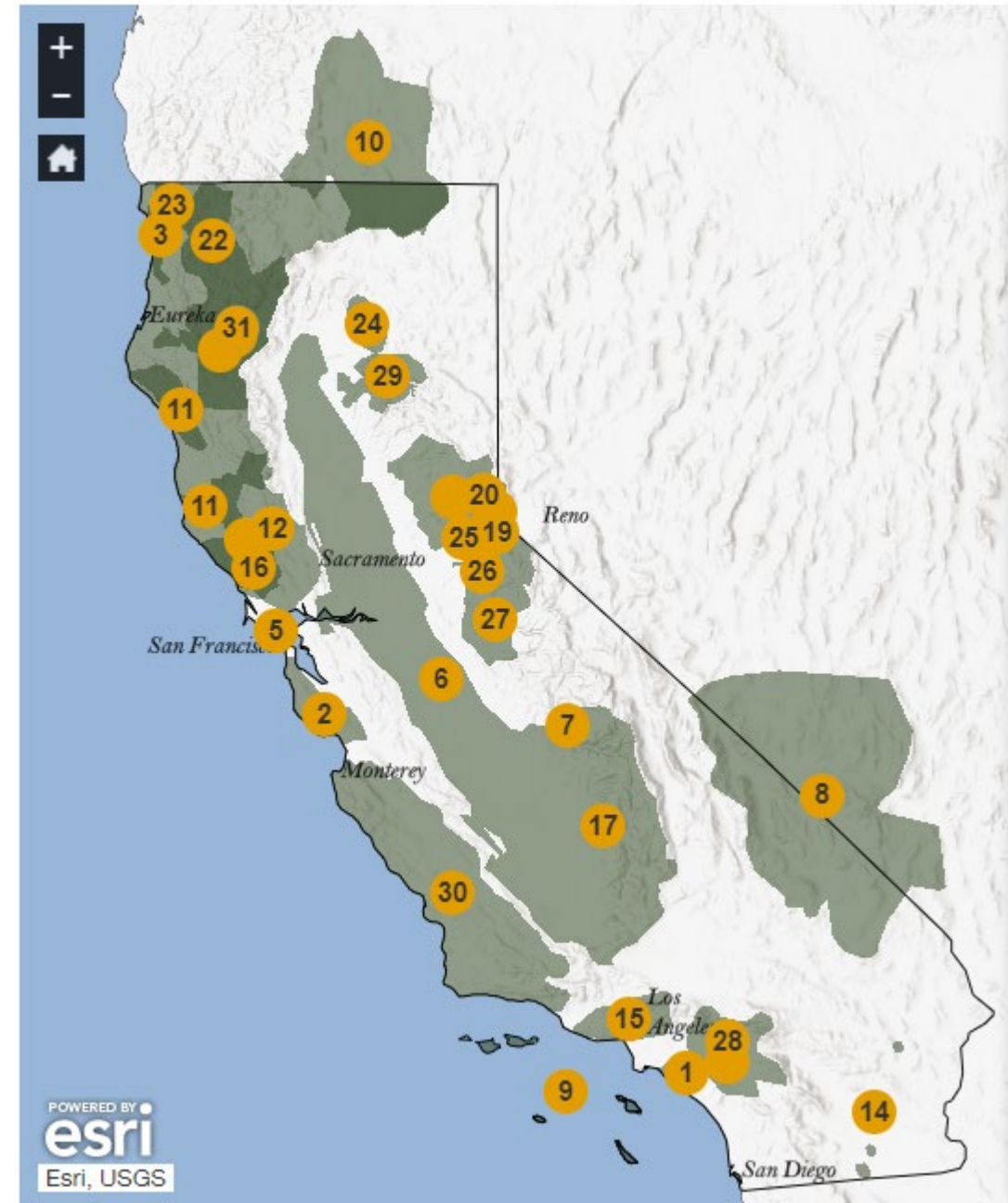**Who:** Landscape Stewardship Collaboratives

What: The Network is a place to share resources, solve common problems, and build awareness of the value of working at a landscape scale. And to find ways to increase support for this work from funders and lawmakers. To advance this shared vision we:

- Catalyze peer exchange by connecting practitioners

- Build capacity and support for landscape level cross-boundary collaboration

- Solve shared problems by working to address the barriers to collaboration and identifying ways to be more inclusive and effective

- Develop relationships with community and state leadership that elevate landscape stewardship values and principles

When: Ongoing

Where: https://calandscapestewardshipnetwork.org/

CALIFORNIA LANDSCAPE STEWARDSHIP COLLABORATIVES MAP

California Resilience Partnership

Who: A diverse set of organizations and stakeholders, along with participation by representatives of California state agencies, to support collaboration on statewide priorities

What: A statewide, multimillion-dollar public-philanthropic effort led by Resilient Cities Catalyst aims to develop new partnerships to advance high-impact projects that tackle California's complex resilience challenges across the state.

CRP aims to amplify and further connect this ecosystem of multi-sector resilience actors statewide and increase investments in a pipeline of high impact resilience projects that, together, will build a more resilient and equitable California, and teach us scalable lessons for communities across the U.S. and around the world.

When: RCC is now scaling the model piloted in greater Los Angeles and greater San Diego to other regions across the state. Over the course of the next several years we will be launching new regional activities.

Where: https://www.rcc.city/california

RESILIENT CITIES CATALYST

THE CRP NETWORK

Connects resilience practitioners statewide to share best practices

STATE

Coordinates through the Governor's Office of Planning and Research with key state agencies to foster alignment
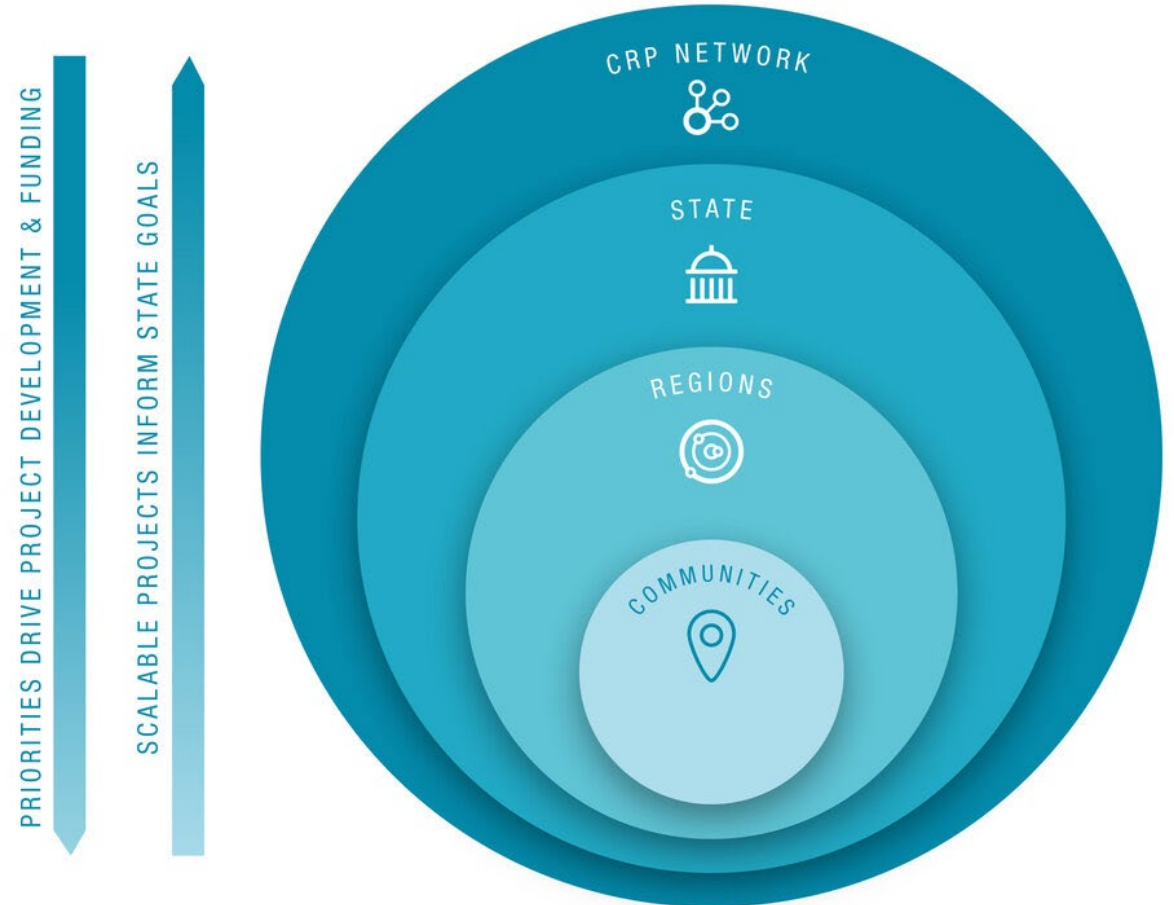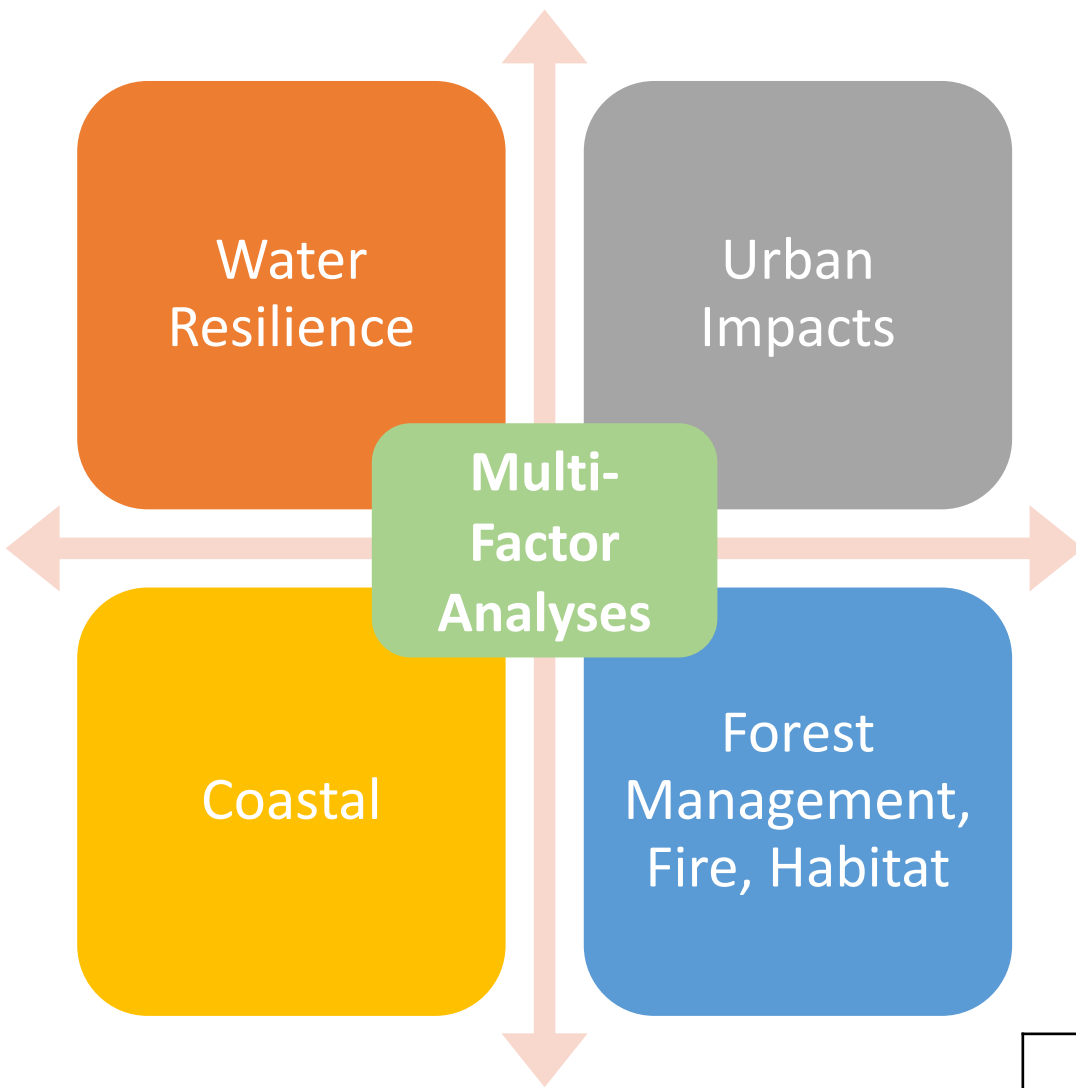
REGIONS

Co-creates regional resilience frameworks across jurisdictional partners to drive integrated project development activities

COMMUNITIES

Primes projects for funding opportunities, leveraging global best practices and technical assistance

THE CALIFORNIA RESILIENCE PARTNERSHIP PROGRAM MODEL

Water Resilience

Urban Impacts

Multi-Factor Analyses

Coastal

Forest Management, Fire, Habitat

Overlapping Drivers with/Included Consideration in IRWM Plan Standards

State Agency-Driven Initiatives, Plans, Strategies and Tools

Agency	Initiative	Vulnerable Communities	Regional Tools	Tribal Resources
OPR	ICARP	☑	☑	☑
CNRA	State Adaptation Strategy	☑		☑
OPC	SLR	☑		☑
DWR*	SGMA	☑	☑	☑
CNRA	30X30			
DWR*	CA Water Plan	☑	☑	☑
CalEPA, CNRA, Forest Manag. Task Force, CalFire	Wildfire & Forest Resilience Action Plan	☑	☑	☑
CalEPA	UHII for CA	☑	☑	☑

Collaborative Initiatives, Plans, Strategies and Tools

Collaborative	Vulnerable Communities	Regional Tools	Tribal Resources
ARCCA	☑	☑	☑
CA Landscape Stewardship Network	☑	☑	☑
CRP Network	☑	☑	

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