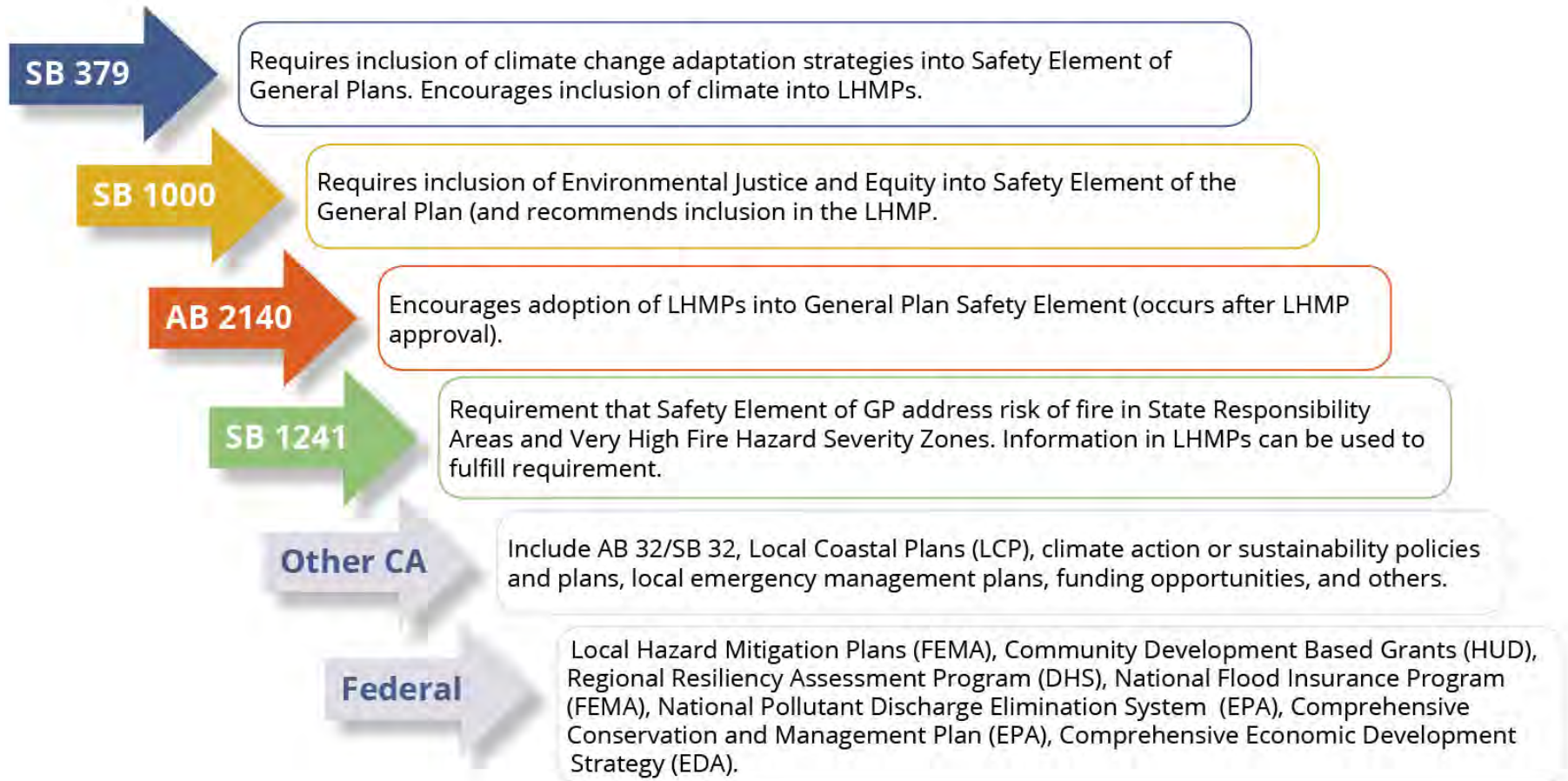


# Plan Alignment





***Cal* OES**

**GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES**

# **California Hazard Mitigation Planning and Local Plan Alignment**

***Central Coast Region – Building Resilience Workshop***

# CA HAZARD MITIGATION (HM) PROGRAM

- ▶ As an Enhanced State, Cal OES helps FEMA to *implement* the federal HM programs (HMP, PDM/FMA, HMGP)
- ▶ This includes the SHMP, LHMP initial review and coordination, technical training and assistance, and grant guidance and monitoring.
- ▶ HMP staff also supports Cal OES's/the state's climate efforts.



HM Program is split into two directorates:

- 1) Planning, Preparedness, & Prevention
- 2) Response and Recovery

# CA State Hazard Mitigation Plan



- State's primary hazard mitigation guidance document
- Serves as a guide for decision-makers
- Demonstration of State's commitment to reduce risks
- Frequency of updates (every 5 years, next one due 2018)



# 2018 SHMP PUBLIC REVIEW DRAFT – *JUST RELEASED!*

- Can be found on the Cal OES website under the Hazard Mitigation Division.
- <http://www.caloes.ca.gov/cal-oes-divisions/hazard-mitigation/hazard-mitigation-planning/state-hazard-mitigation-plan>.
- Questions:  
[mitigationplanning@caloes.ca.gov](mailto:mitigationplanning@caloes.ca.gov)

DEADLINE FOR  
FEEDBACK IS  
MAY 16, 2018



# Climate and the SHMP

- Climate included in CA SHMP since 2007 – 2018 has a larger piece and includes new EJ section.
- Impacts on mitigation, preparedness, response, and recovery operations and strain on resources
- Resiliency of critical infrastructure and various emergency assets
- Understanding how climate change will impact communities and engaging them to address those changes.
- Climate changes are affecting the accuracy and practice of using only historical records to predict the magnitude, location, and frequency of future hazards.
- Safeguarding CA (state's adaptation strategy) vs. CA SHMP (state's mitigation strategy)



# LHMPs and the SHMP

How LHMPs integrate with the 2018 SHMP:

- ✓ Chapter 3–State Goals and Objectives, Strategies and Actions
- ✓ Chapter 5–Local Hazard Mitigation Planning
- ✓ Chapter 6–9–State’s risk assessment and hazard analysis
- ✓ Chapter 10–Grants and Enhanced Plan Criteria (including grants management and performance)
- ✓ Progress Summaries and Best Practices

# State Legislation and LHMPs

SB 379

Requires inclusion of climate change adaptation strategies into Safety Element of General Plans. Encourages inclusion of climate into LHMPs. *Funding carrot - HMGP and CRMAs.*

SB 1000

Requires inclusion of Environmental Justice into GP through a new element or distributed approach (and recommends inclusion into LHMPs).

AB 2140

Encourages adoption of LHMPs into GP Safety Element (occurs after LHMP approval). *Funding carrot for jurisdictions is increased State cost share for CDAA (Public Assistance).*

SB 1241

Revises safety element requirements of GPs to address the risk of fire SRAs and VHFHSZs. *Information in LHMPs can be used to fulfill requirement.*

# CALIFORNIA ADAPTATION PLANNING GUIDE



## PLANNING FOR ADAPTIVE COMMUNITIES



# CALIFORNIA ADAPTATION PLANNING GUIDE



## DEFINING LOCAL & REGIONAL IMPACTS



# CALIFORNIA ADAPTATION PLANNING GUIDE



## UNDERSTANDING REGIONAL CHARACTERISTICS



# CALIFORNIA ADAPTATION PLANNING GUIDE



## IDENTIFYING ADAPTATION STRATEGIES





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OF EMERGENCY SERVICES

**THANK YOU!**

*Megan Walton*

Cal OES, Hazard Mitigation Planning

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[Megan.walton@caloes.ca.gov](mailto:Megan.walton@caloes.ca.gov)

[mitigationplanning@caloes.ca.gov](mailto:mitigationplanning@caloes.ca.gov) (for general mitigation planning questions)

# General Plan Guidelines (2017 Update)

## Required Elements

- Land use
- Circulation
- Housing
- Conservation
- Open Space
- Noise
- Safety
- Environmental Justice
- Air Quality

## New Chapters

- Public Engagement
- Healthy communities
- Climate Change
- Economic Development
- Social Equity/Resilience



# Safety Element: General Plans

## Safety Element

### Introduction

The goal of the safety element is to reduce the potential short and long-term risk of death, injuries, property damage, and economic and social dislocation resulting from fires, floods, droughts, earthquakes, landslides, climate change, and other hazards. Other locally relevant safety issues, such as airport land use, emergency response, hazardous materials spills, and crime reduction, may also be included. Some local jurisdictions have chosen to incorporate their hazardous waste management plans into their safety elements.

The safety element directly relates to topics also mandated in the (1) land use, (2) conservation, (3) environmental justice and (4) open-space elements, as development plans must adequately account for public safety considerations and open space for public health and ecological benefits often incorporate areas of increased hazard risk. The safety element must identify hazards and hazard abatement provisions to guide local decisions related to zoning, subdivisions, and entitlement permits. The safety element should also contain general hazard and risk reduction strategies complementary with those of the *Local Hazard Mitigation Plan (LHMP)*. Ideally, the LHMP will be incorporated into the safety element as outlined below in accordance with provision of *Assembly Bill 2140, General Plans: Safety Element (Bancroft, 2006) (Gov. Code § 65302.6)*.

The recent introduction of climate risk to the discussion of the safety element, adds a focus on longer term preparation of a community for a changing climate. Policies in a safety element should identify hazards and emergency response priorities, as well as mitigation through avoidance of hazards by new projects and reduction of risk in developed areas. As California confronts mounting *climate change* impacts, local governments are now required, in accordance with *Senate Bill 379, Land Use: General Plans: Safety Element (Jackson, 2015)* to include a climate change vulnerability assessment, measures to address vulnerabilities, and comprehensive hazard mitigation and emergency response strategy as explained further in this section (*Gov. Code § 65302(g)(4)*). Policies may include methods of minimizing risks, as well as ways to minimize economic

#### Government Code 65302(g):

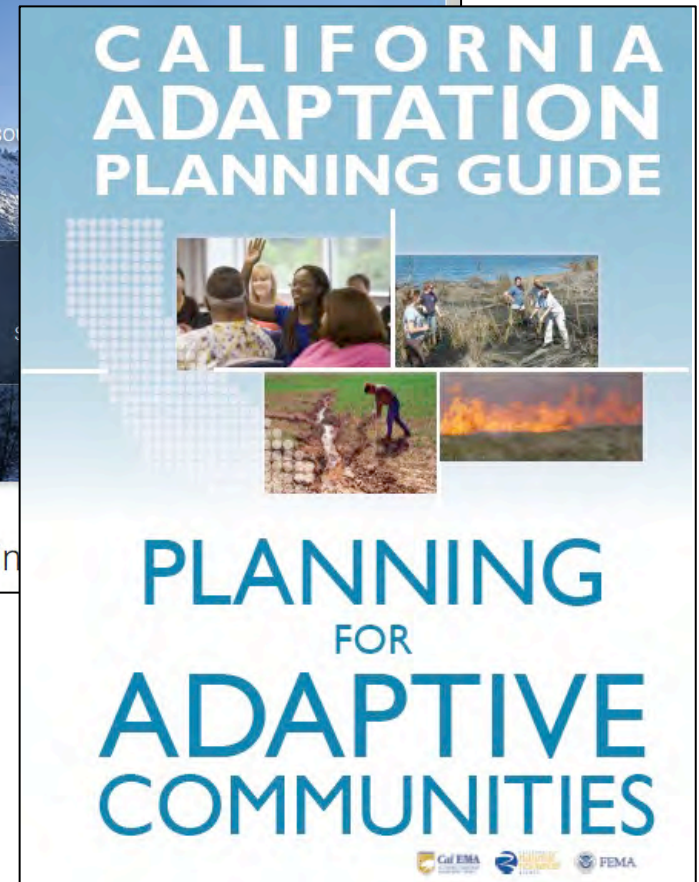
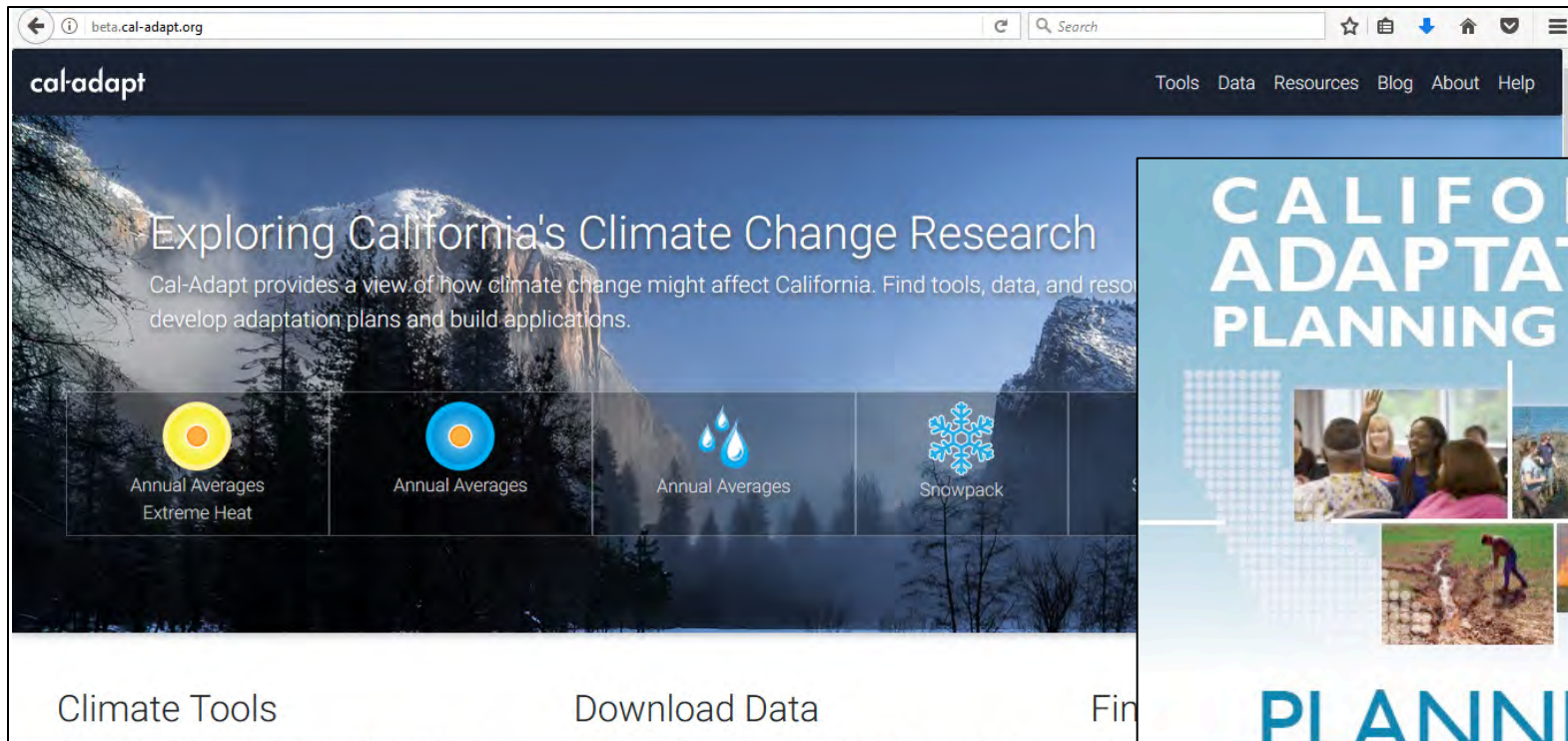
(g) (1) A safety element for the protection of the community from any unreasonable risks associated with the effects of seismically induced surface rupture, ground shaking, ground failure, tsunami seiche, and dam failure; slope instability leading to mudslides and landslides; subsidence; liquefaction; and other seismic hazards identified pursuant to Chapter 7.8 (commencing with Section 2690) of Division 2 of the Public Resources Code, and other geologic hazards known to the

- New section on Climate Adaptation and Resilience, as per SB 379 (2015)
- Highlights better coordination with LHMPs (AB2140)
- Contains internal and external links to related elements and considerations
- Prepared in coordination with other resources, including OES resources, Cal-Adapt, Adaptation Planning Guide, ICARP

# Safety Element – Adaptation

- ▶ Climate change adaptation is now required in Safety Elements
  - Safety element is the statutory “home”
  - Supports incorporation in to other areas
  - Encourages cross-linkages and co-benefits
- ▶ Some distinct actions:
  - Review existing plans (gap analysis)
  - Assess community vulnerability
  - Create a set of goals, policies and objectives
  - Create a set of “feasible” implementation measures
  - Implement measures
- ▶ Timeline considerations:
  - Update at the next LHMP update OR by 1 / 2022 if no LHMP;
  - Using an adaptation plan, climate action plan or general plan;
  - Suggestion to use the Housing Element to align updates (like fire and flood);
  - Leverage State funding opportunities

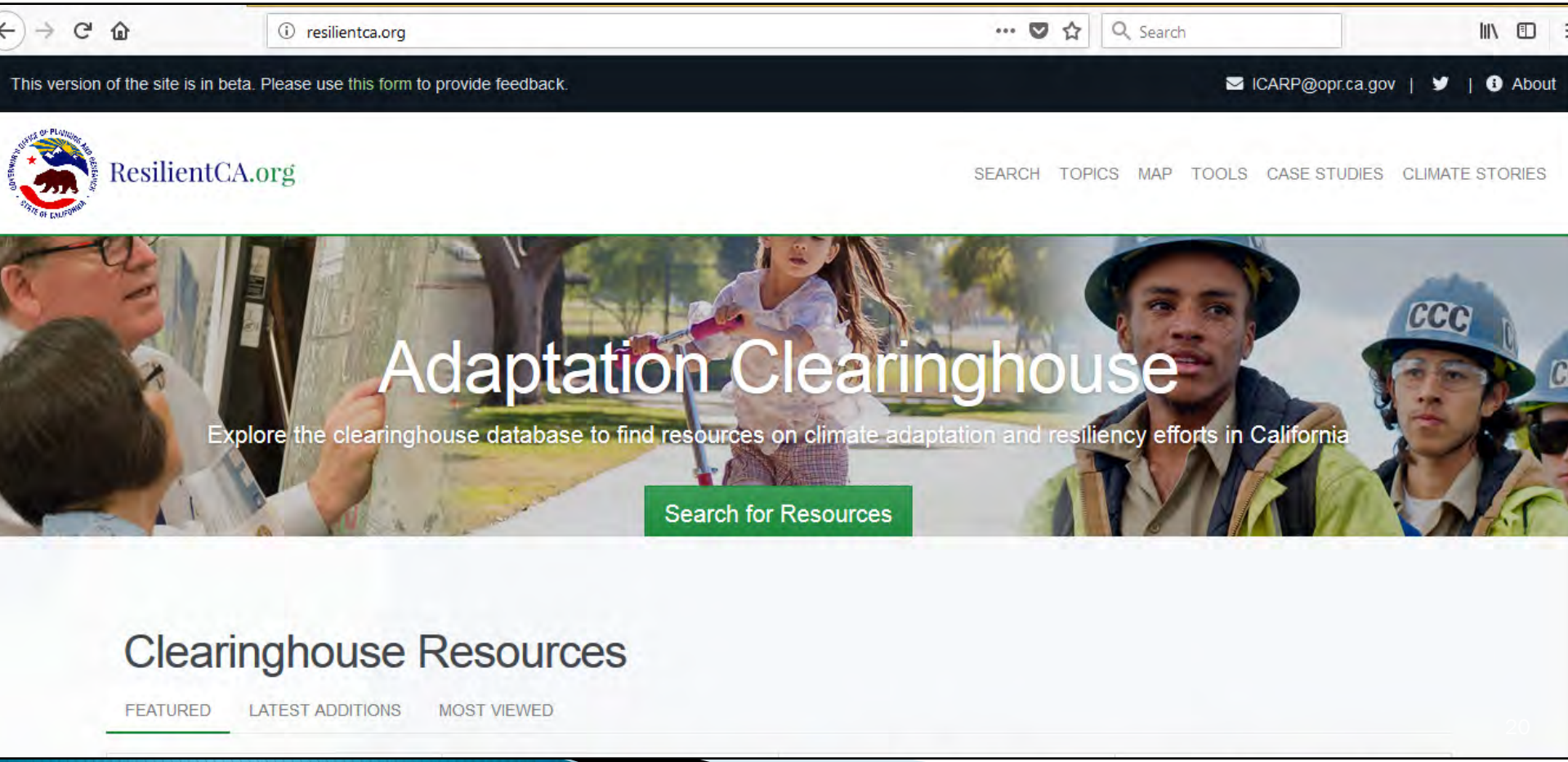
# Cal-Adapt.org and the Adaptation Planning Guide – Statutory Link



# Adaptation Clearinghouse

[www.resilientca.org](http://www.resilientca.org) (Currently in BETA)

Will support visioning/case studies, development of plans and policies, implementation and tracking progress on SB379.



The screenshot shows the homepage of the Adaptation Clearinghouse website. At the top, there is a browser address bar with the URL 'resilientca.org'. Below the address bar, a dark navigation bar contains the text 'This version of the site is in beta. Please use this form to provide feedback.' on the left and 'ICARP@opr.ca.gov | Twitter | About' on the right. The main header area features the 'ResilientCA.org' logo on the left and a navigation menu with 'SEARCH', 'TOPICS', 'MAP', 'TOOLS', 'CASE STUDIES', and 'CLIMATE STORIES' on the right. The central banner image depicts a man and a woman looking at a map, a young girl on a scooter, and two construction workers in hard hats. Overlaid on this image is the title 'Adaptation Clearinghouse' and the subtitle 'Explore the clearinghouse database to find resources on climate adaptation and resiliency efforts in California'. A green button labeled 'Search for Resources' is positioned at the bottom of the banner. Below the banner, the heading 'Clearinghouse Resources' is displayed, followed by three tabs: 'FEATURED', 'LATEST ADDITIONS', and 'MOST VIEWED'.

# California Adaptation Forum

[www.californiaadaptationforum.org](http://www.californiaadaptationforum.org)

Supporting the California Adaptation community of practice.



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The 3rd California Adaptation Forum is coming to Sacramento!

August 27-29, 2018 | Sacramento, CA



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Climate and Land Use Related Resources:

[www.opr.ca.gov](http://www.opr.ca.gov)

[www.caloes.ca.gov](http://www.caloes.ca.gov)

[www.climatechange.ca.gov](http://www.climatechange.ca.gov)

[www.resources.ca.gov/climate](http://www.resources.ca.gov/climate)

[www.coolcalifornia.org](http://www.coolcalifornia.org)

[www.resilientca.org](http://www.resilientca.org) (in BETA)

[www.Cal-Adapt.org](http://www.Cal-Adapt.org)

[www.californiaadaptationforum.org](http://www.californiaadaptationforum.org)

# Setting the Compass for Coastal Hazard Resilience

## Partners:



FEMA

