



Meeting Agenda

Item 1 | Welcome & Roll Call

Item 2 | Meeting Minutes

Item 3 | State Agency Updates

Item 4 | ICARP Programmatic Updates

Item 5 | Vulnerable Communities Platform

Item 6 | Fifth Assessment Tribal Program

Item 7 | Fifth Assessment Synthesis Reports

<u>Item 8 | Community Development Block Grant – Mitigation Citizen</u> <u>Advisory Committee</u>







Item 2 | Meeting Minutes



Item 2 Public Comment



ACTION

Approve the meeting minutes from the ICARP Technical Advisory Council 2nd Quarter Meeting on June 30th, 2023.

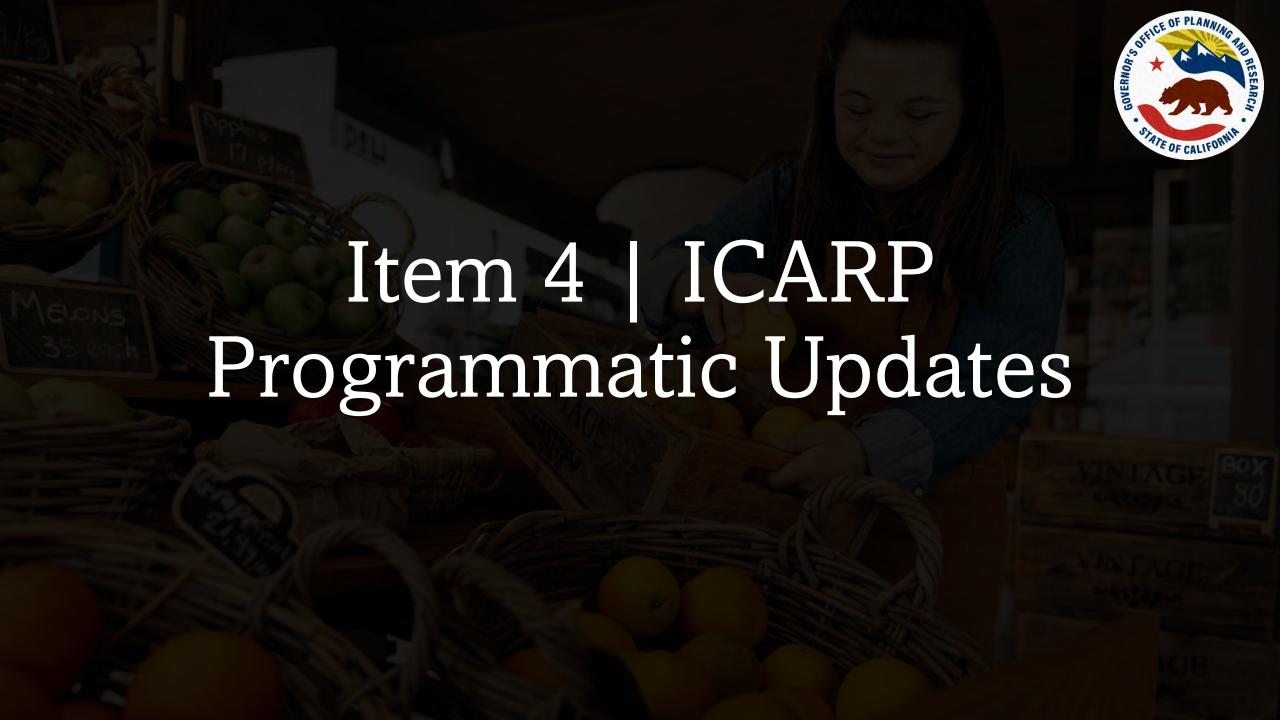




- January 12, 2024
- Riverside, CA
- Action Tracks:
 - Extreme Heat
 - Research
 - Tools & Resources
 - Financing Resilience



Item 3 Public Comment



TAC Priority Areas



Actionable Research & Resilience Metrics



Decision Support Tools & Guidance



Building Partnerships & Leveraging Resources



Funding & Financing



Climate Equity & Vulnerable Communities



Additional Special Initiatives

Funding & Financing

 Extreme Heat and Community Resilience Program

Regional Resilience Grant Program

Adaptation Planning Grant Program



Additional Special Initiatives

 California Climate Adaptation Strategy

Extreme Heat Action Plan



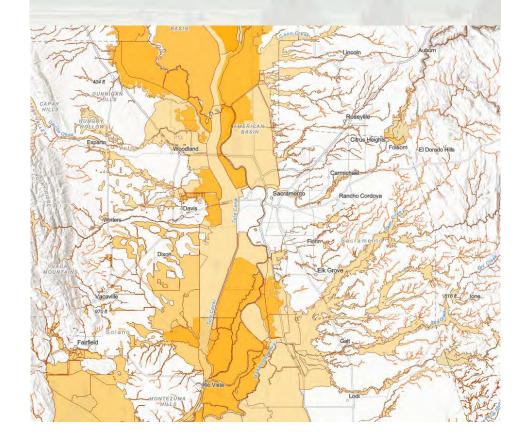
Item 4 Public Comment



Item 5 | Vulnerable Communities Platform

Integrated Climate Adaptation and Resiliency Program (ICARP)

Advancing equitable, integrated climate adaptation and resilience solutions across local, regional, and state efforts





Vulnerable Communities Platform

Ankitha Doddanari Staff Analyst, Climate Equity and Resilience Engagement

TAC Definition of 'Vulnerable Communities'

SOFFICE OF PLANNING AND RESEARCH

Climate vulnerability describes the degree to which natural, built, and human systems are at risk of exposure to climate change impacts. Vulnerable communities experience heightened risk and increased sensitivity to climate change and have less capacity and fewer resources to cope with, adapt to, or recover from climate impacts. These disproportionate effects are caused by physical (built and environmental), social, political, and/ or economic factor(s), which are exacerbated by climate impacts. These factors include, but are not limited to, race, class, sexual orientation and identification, national origin, and income inequality.

What is the VCP?

Why do we need it?



Web-hub that assists in understanding and visualizing the underlying factors that drive climate vulnerability with the goal of identifying and supporting those that are most vulnerable

There is no existing tool that holistically displays all the data needed to understand a community's climate vulnerability

Statewide Climate Hazard and Sensitivity Maps



- Current and projected climate hazard data (Extreme Heat, SLR/Flood, Wildfire, Drought)
- Intersecting social factors that exacerbate corresponding climate hazard (ex. Extreme Heat and Outdoor Workers or Seniors Living Alone)
- Guidance on relevance of each factor





Display on-the-ground community experiences with climate change

- Workshops hosted in partnership with local community based organization
- Use climate hazard maps to assess risk and provide feedback
- Share experiences with climate change and existing resilience enhancing assets
- Assessments will be displayed on VCP

Example

Climate Vulnerability Tool Comparison



- Collection of existing climate resiliency related tools (ex. Healthy Places Index, California Heat Assessment Tool, CalEnviroScreen)
- Allow users to compare and contrast
- Provide guidance on use cases

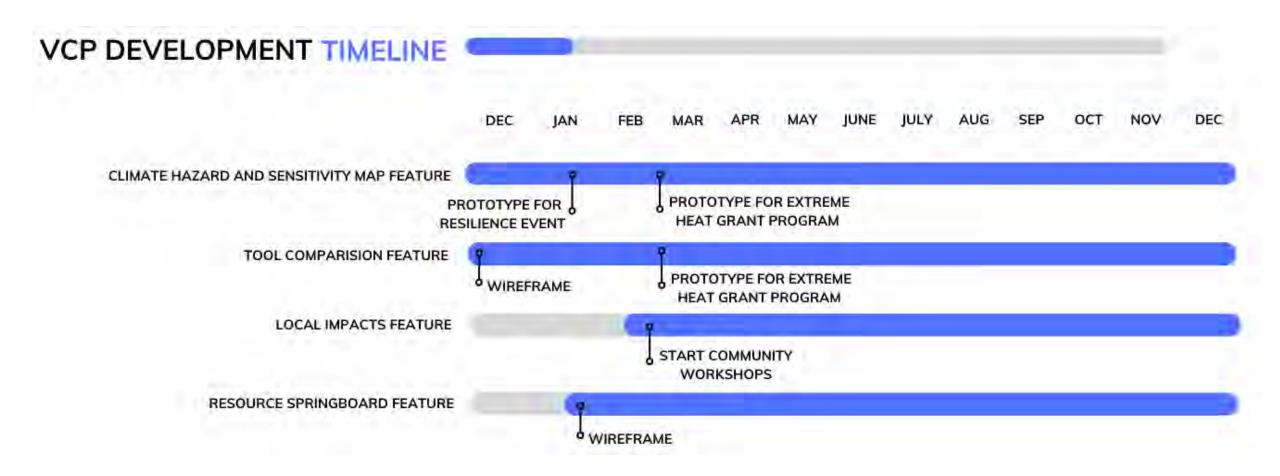
Example



Resilience Resource Springboard

- Entry level primer to available resources; grant sources, policy requirement summaries, planning documents, collaboratives, etc.
- Connect to Adaptation Clearinghouse

Example



- Development for each feature is prioritized and staggered
- Iterative, ongoing improvements will be made to all features based engagement feedback

Stakeholder Engagement 2023 Progress & 2024 Next Steps



Phase 1: Expert User Engagement:

- Feedback on proposed tool functions
- Data priorities and recommendations
- Other related tools and resources.
- Advice for conducting community workshops (who to include, how to do most effectively)

Phase 2: Community Lived Experience Engagement:

- Feedback on prototype designed with ESRI
- Workshops to identify:
- Climate challenges community has faced
- Adaptive capacity enhancing assets (social, environmental, built, etc.)
- Opportunities for building resilience



Discussion

- What current or anticipated events or engagement especially with community based organizations and local governments – would be good opportunities for the VCP's continuing engagement with stakeholders?
- Are there any topics or sectors we should prioritize as we look to integrate tools and data into the VCP?



VCP Contact

Ankitha Doddanari

Staff Analyst, Climate Equity & Resilience Engagement

Ankitha.Doddanari@opr.ca.gov



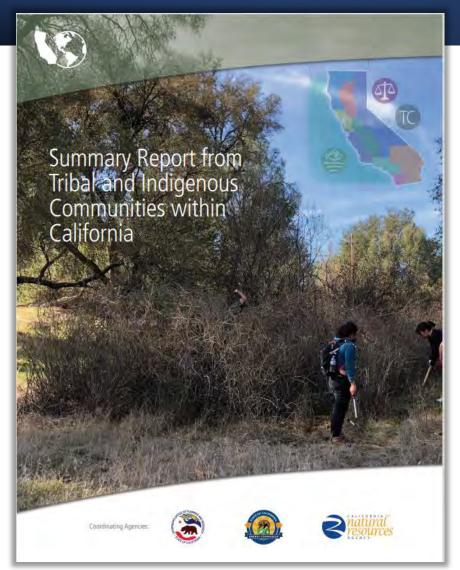
Item 5 Public Comment



Item 6 | Fifth Assessment Tribal Program

Climate Assessment Tribal Research Program





"This report is the beginning of something truly innovative: a mutual invitation between tribes and the state to share learning with an urgent focus on climate action, incorporating traditional knowledges and practices. This synthesis is the starting point of a new productive climate conversation between tribes and the state"

 page 10 of CA Fourth Climate Assessment Tribal and Indigenous Communities Report (2018) Climate
Assessment
Tribal Research
Program

Per SB 1320 (Stern, 2020) the Climate Assessment must address, "issues of statewide significance, including, but not limited to, environmental justice considerations, impacts on [built systems, natural systems, and social systems, including the welfare of vulnerable communities, and the potential fiscal and economic impacts of these effects in California], and the unique risks posed to, and research and monitoring approaches used by, tribal communities.



Tribal Research Program Goals



- Strengthen partnerships with Tribes through early, often, and meaningful engagement and consultation,
- Establish a **Tribal Advisory Group (TAG)** to ensure collaboration on Indigenous knowledge and tribal expertise throughout the Assessment,
- Support tribally led research through a Tribal Grant Program to address Californiaspecific tribal research needs and tribally led, local climate assessments,
- Develop a Tribal and Indigenous Communities Report that includes tribally led research and summarizes climate change impacts to tribes in California, and
- Collaborate with Tribes to develop tribally led Guidance on Collaboration and Protection of Indigenous Knowledge and Tribal Expertise through research processes and report handling.

Strengthening Partnerships, Consultation, and Engagement



- 8 Tribal Workshops/Listening Sessions
- 4 Tribal Grant Office Hours Session
- Presented at over 20 tribal consortia meetings
- Consulting with 7 Tribes
- Dozens of direct conversations with tribal program staff and tribal NGO's
- Partnered with Tribes and Tribal NGO's to co-host multiple, inperson Regional Workshops to inform the scope of the Assessment's Regional Reports.
- 4 Tribal Roundtables in conjunction with our Regional Meetings
- 6 Tribal Advisory Group meetings, 1 in person

Program Goal:

Strengthen partnerships with
Tribes through early, often,
and meaningful engagement
and consultation

Tribal Advisory Group



Program Goal:
Establish a Tribal Advisory
Group to ensure
collaboration on Indigenous
knowledge and tribal
expertise



Tiana Williams- Claussen, Wildlife
Director, Yurok
Tribe



Raymond Gutierrez, Eco-Cultural Ecologist, Wuksachi Indian Tribe

Connor Magee,
Research and Data
Application ManagerClimate Science
Alliance, Pala Band of
Mission Indians



Christina
McDonald,
Secretary, North
Fork Rancheria of
Mono Indians



William "Yaan Yaan Eesh"
Micklin, Chief Executive
Officer, Ewiiaapaayp of
Kumeyaay Indians





Teresa Romero,
Coastal Band of
Chumash Nation,
Tribal Member



Michael Shaver, Water Resources Director, Potter Valley Tribe



Dean Tonenna, VP Mono Lake Kootzaduka'a Indian Community Cultural Preservation Association

Tribal Research Grant Program: Next Steps:



Purpose

- Support research by California Native American tribes
- Tribal needs and questions related to climate change
- Support participation in California's Fifth Climate Assessment
- Inform Fifth Assessment reports to guide climate resilient planning

Program Goal: Support tribally-led research through a Tribal Grant Program

Funding

- \$3.625 million available over 3 Rounds
- 20k-400k for Individual Awards

Grants Types

- Topic-specific Research
- Climate Assessment
- Project Implementation
- Information Sharing
- Tool Development
- Other

September-November 2023

• Application Window

Spring 2024

Agreement Development

Winter 2023

Grant Selection

Spring 2024-Winter 2025

• Project Work

Tribal Synthesis Report Timeline



Program Goal: Develop a Tribal and Indigenous Communities Report

All 2023

• Scoping Phase

Winter 2025

• Final Review

2024-2025

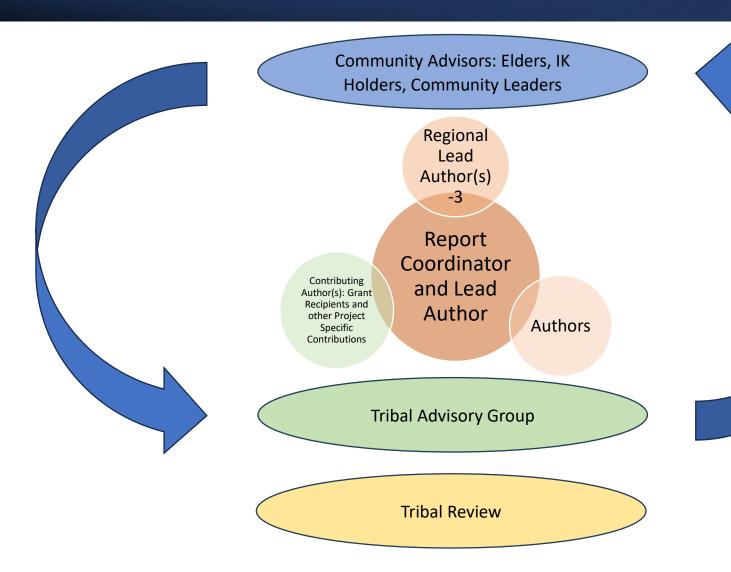
• Report Drafting

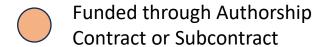
Spring 2026

Release

Tribal Author Team-Proposed







- Funded through Authorship
 Contract Engagement
- Funded through TAG Contract or Grant Awards
- Funding mechanism and process pending

Program Goal: Develop a Tribal and Indigenous Communities Report

Indigenous Knowledge Guidance



Program Goal: Develop Tribally
led Guidance, Protocols, and
Training on Collaboration and
Protection of Indigenous
Knowledge

Purpose: Provide context, guidance, and procedures to support State and Tribal collaboration on IK in climate change research.

- Examine the risk tribes face when sharing IK with the State
- Develop recommendations, guidance and/or procedures
- Increase understanding of the State's role in collaborating with tribes on IK
- Ensure benefit to indigenous communities
- Expand cultural competency in IK amongst non-indigenous communities
- Support the Fifth Assessment Author Team(s) in implementation of the IK Guidance.

Discussion Question



From your perspective and your work, what is the most challenging factor or barrier to meaningfully collaborate with tribes on Indigenous Knowledge and Tribal Expertise within the context of climate change research and resilience efforts?

What resources would help address those barriers?



Item 6 Public Comment



Item 7 | Fifth Assessment Synthesis Reports



California's Fifth Climate Change Assessment

ICARP TAC Q4 2023 Update









What are the California Climate Change Assessments?



California's Climate Change Assessments contribute to the scientific foundation for understanding climate-related vulnerability at the regional and local scales and informing resilience actions, while also directly informing State policies, plans, programs, and guidance, to promote effective and integrated action to safeguard California from climate change.





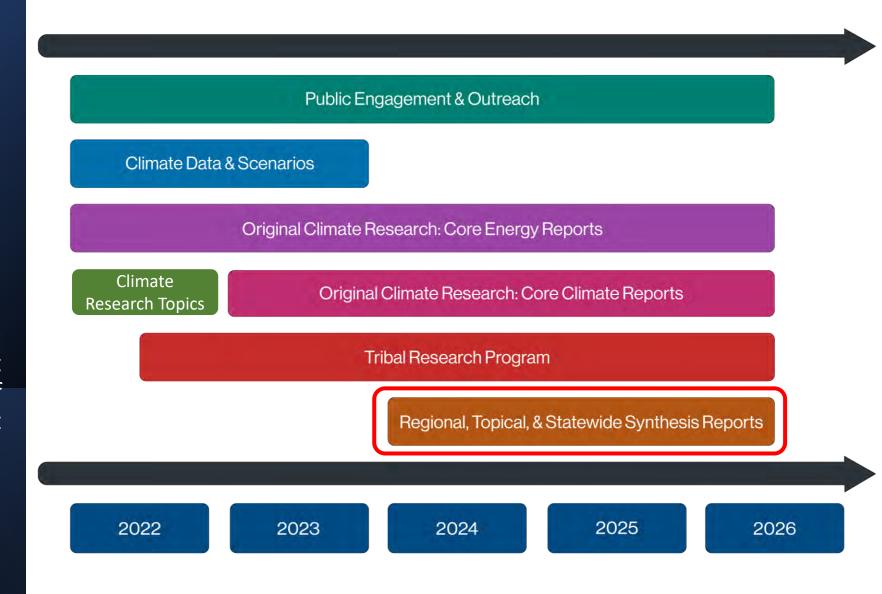




Fifth Assessment Products & Timeline

The Fifth Assessment will produce a suite of research and tools that report the impacts and risks of climate change, based on the best available science.





GOALS

- Support a community-led process
- Produce actionable science & resources
- Implement a consistent framework across regions
- Synthesize statewide climate issues & highlight local priorities





Regional Synthesis Reports

Framework Outline



Regional Synthesis Reports Framework D R A FT - DELIBERATIVE DOCUMENT

Updated: July 2023

California's Fifth Climate Change Assessment

Regional Synthesis Report Framework

California's Fifth Climate Change Assessment (Fifth Assessment) is a suite of original research and tools describing the impacts and risks of climate change to equip communities and leaders across the state with the best available science to inform their adaption planning and decision-making processes. Worse and more frequent extreme weather events and trends are impacting the state every year, making up-to-date information on climate change imperative to driving sound policy and investment decisions.

The Fourth Climate Assessment developed a model for nine regional synthesis reports that compile the best available science on climate change and other informational resources at a local scale to help communities understand and develop informed responses to the impacts of climate change in their region. State agencies involved with the Fourth Assessment, in collaboration with author teams, established these regional boundaries based on: considerations for climate, economic, other environmental issues throughout the state; the availability of geographical expertise at the time; and alignment with other jurisdictional boundaries (e.g., county) where

The Fifth Assessment team conducted an extensive review of the Fourth Assessment regional reports and hosted multiple engagement opportunities with diverse representatives and expert groups throughout the state to gather input the Fifth Assessment's Regional Synthesis Reports. These opportunities included a public survey for suggested research topics, expert roundtable discussions, interagency collaborations, community workshops and listening sessions, and a formal Request for Information.

The Fifth Assessment Summer Engagement Workshops will be an opportunity to collect additional input on local priorities and develop a framework that future author teams will use to guide the development of the Fifth Assessment Regional Synthesis Reports.

Purpose of Regional Synthesis Reports:

- . Fill local knowledge gaps by synthesizing climate projections data and new research on climate change impacts in California to meet the needs and context of communities across the state.
- · Support a community-led research process and uplift local priorities and
- Create informational resources and tools that can be used to guide local policy, planning, and action on climate change, including regional and local vulnerability assessments, adaptation planning and community resilience efforts.



Audience / Users:

- Local, regional and statewide policy leaders, decision-makers and planners
- Scientists and researchers
- CA Native American tribal communities
- · Key organizations (e.g., communityorganizations, businesses, advocacy groups)
- General California users

Author Team Structure:

- · Coordinating Lead Author (UC/CSU)
- Lead Author (NGO/LG)
- Authors Subject Matter Expert
- Advisors / Contributors Community Advisors

Report Outline:

INTRODUCTION

- · Summary overview of local climate priorities and key geographical, natural, infrastructural, economic, gultural and demographic features.
- Summary of existing local climate resources: Climate Adaptation/Mitigation plans, policies and programs

CLIMATE SCIENCE

Key Impacts & Events

- Sea Level Rise
- Extreme Heat
- Drought
- Flood
- Cascading & compounding (multiple, intersecting hazards)

Historical & projected trends:

- Temperature Precipitation
- Extreme storm events
- Clouds, wind, humidity and other relevant factors

GENERAL CROSS-CUTTING THEMES

Natural & Working Lands and Waters

- Indigenous Knowledge(s)
- Biodiversity & Habitat
- Agriculture
- Water supply (surface / ground)
- Open space

Built Systems

- Indigenous Knowledge(s) Critical Infrastructure
- Housing
- Emergency Capacity
- Public Health

· Finance & Insurance

- Social Systems & Cultural Resources Labor and Workforce Economics
- Indigenous Knowledge(s)
- · Racial Equity & Climate Justice
- Public Health
- · Policy and Governance
- Communications / Engagement / Capacity-Building Efforts
- · Human displacement (short-/long-term)
- Emergency Capacity

- · Recommendations for future research
- · Connections to statewide and local priorities / plans / programs



Regional Author Team



Coordinating Lead
Author

Lead Author

Authors

Community Advisors

Technical Advisors

Writer / Contract Lead

Writers

Advisors and Consultants

University of California
/ California State
University

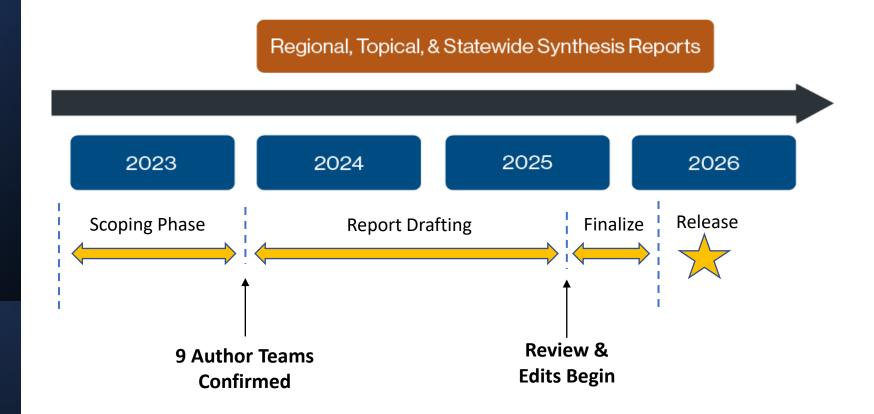
Local
Government &
NonGovernment
Organizations

Community
Based
Organizations,
Tribal
Representatives,
Local
Government,
Non-Government
Organizations,
Academics, &
Researchers

Community
Representatives &
Organizations

Non-author Expert
Specialists

Regional Synthesis Reports Timeline





Regional Synthesis Reports Updating Boundaries



Fourth Assessment Regions



DRAFT Fifth Assessment Regions



Topical Synthesis Reports

Per SB 1320 (Stern, 2020) the Climate Assessment must address, "issues of statewide significance, including, but not limited to, environmental justice considerations, impacts on [built systems, natural systems, and social systems, including the welfare of vulnerable communities, and the potential fiscal and economic impacts of these effects in California], and the unique risks posed to, and research and monitoring approaches used by, tribal communities.



Topical Synthesis Report Topics



DRAFT Topics

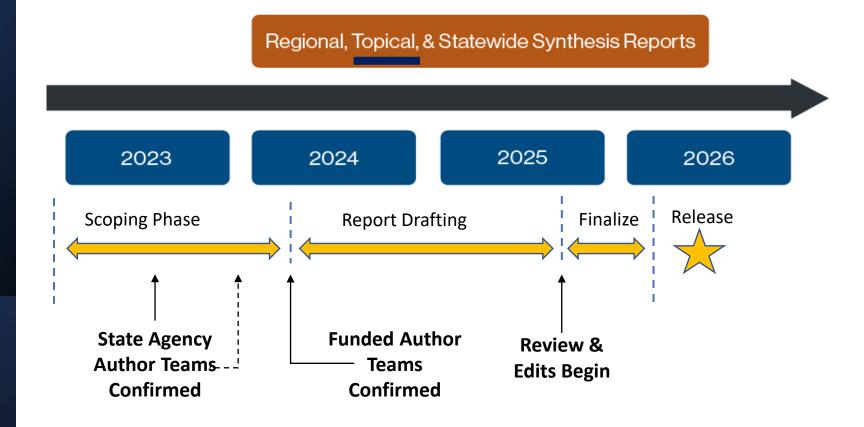
Funded:

- Racial Equity and Climate Justice
- Tribal and Indigenous Communities
- Economic Evaluation of Climate Impacts
- TBD Topical Report

State Agency Volunteered:

- Climate Finance (CDI, et al.)
- Labor and Workforce (Labor, et al.)
- Public Health (CDPH, et al.)
- Biodiversity (CDFW, et al.)

Topical Synthesis Reports Timeline





Questions



 What can we do to improve the value or utility of these resources?

 As we initiate this process, at what points should the TAC receive updates on the progress of the reports?

Fifth Assessment Contacts



Email:

Neil.matouka@opr.ca.gov

climateassessment@opr.ca.gov

Learn About the Fourth Assessment:

http://climateassessment.ca.gov/

Track Updates and Announcements:

https://opr.ca.gov/climate/icarp/climate-assessment/











Item 7 Public Comment



Item 8 | General Public Comment



Item 9 | Closing & Meeting Adjourned



Closing Reminders

Climate Resilience Nexus on January 12th

 2024 Meeting dates will be announced on the ICARP website in January

Council member appointments



Thank You!

Ø Sloane Viola, ICARP Council Program Manager <u>Sloane.Viola@opr.ca.gov</u>

Ø Email icarp@opr.ca.gov for general ICARP inquiries