

California's Fifth Climate Change Assessment

Tribal Research Program

RTOC January 23, 2023



Today's Presentation

- Overview of CA Climate Assessments
- Research Topics
- Introduction to Climate Assessment Tribal Research Program
- Funding Opportunities
- Tribal Advisory Group
- Next Steps

Implementation Team



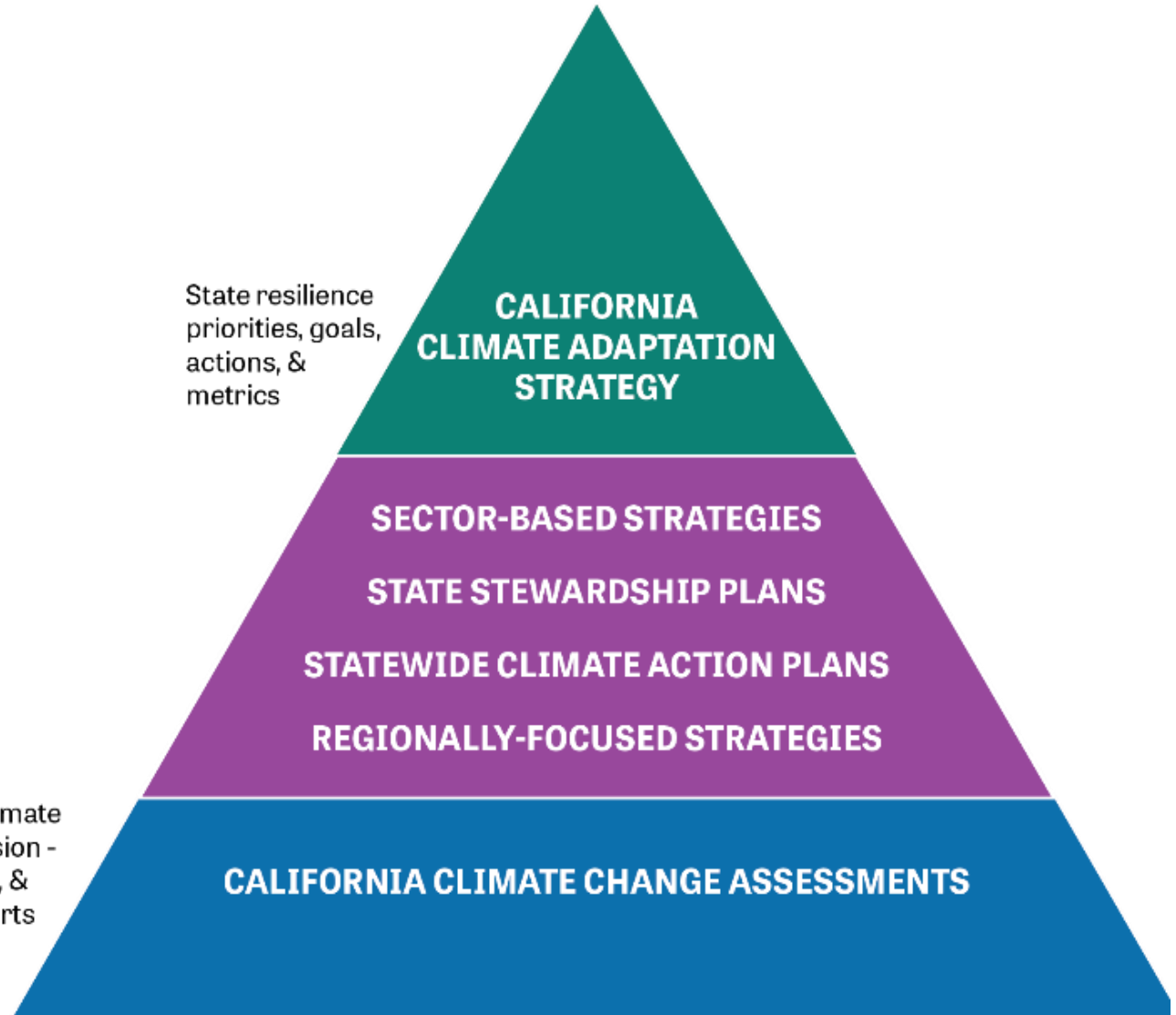
What are the California Climate Assessments?

California's Climate Change Assessments contribute to the **scientific foundation for understanding climate-related vulnerability at the local scale** 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

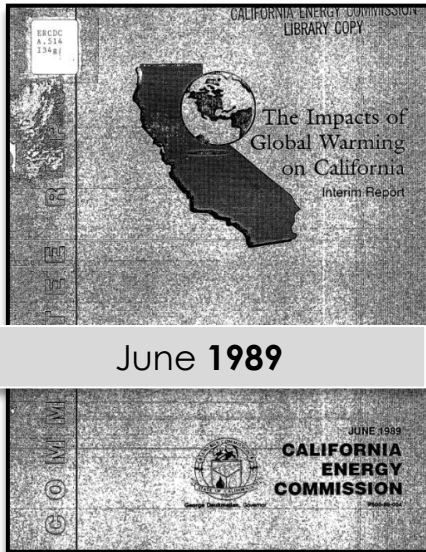
Public Resources Code 71340 (Senate Bill 1320, Stern, 2020) calls on the State, through the Integrated Climate Adaptation and Resiliency Program (ICARP), **to advance action-based science by developing California Climate Change Assessments at least every five years.**

State Adaptation Pillars

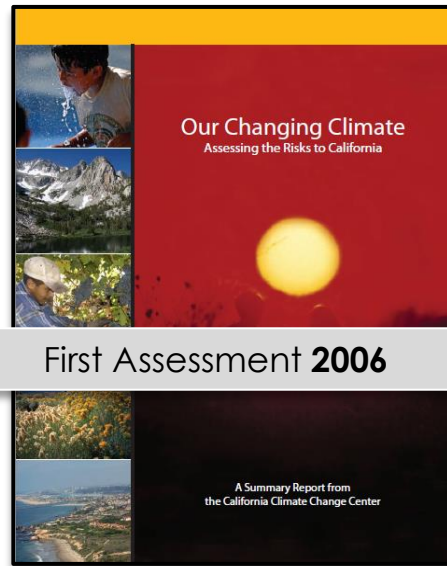
Actionable climate
science, decision -
support tools, &
regional reports



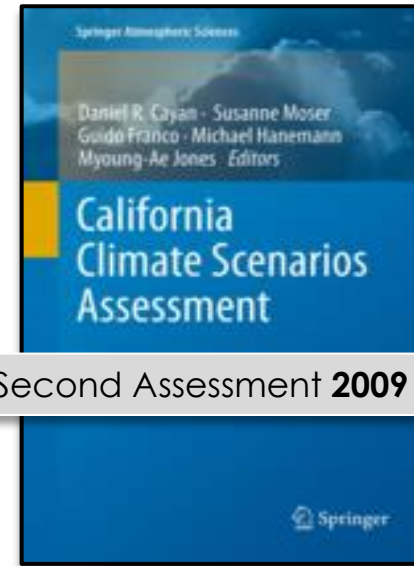
Previous California Climate Change Assessments



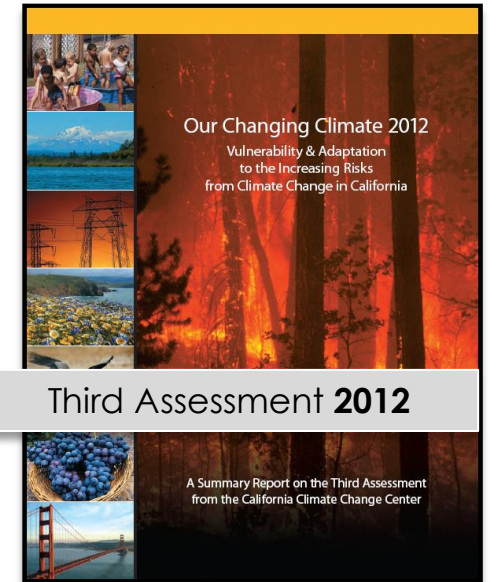
June 1989



First Assessment 2006



Second Assessment 2009

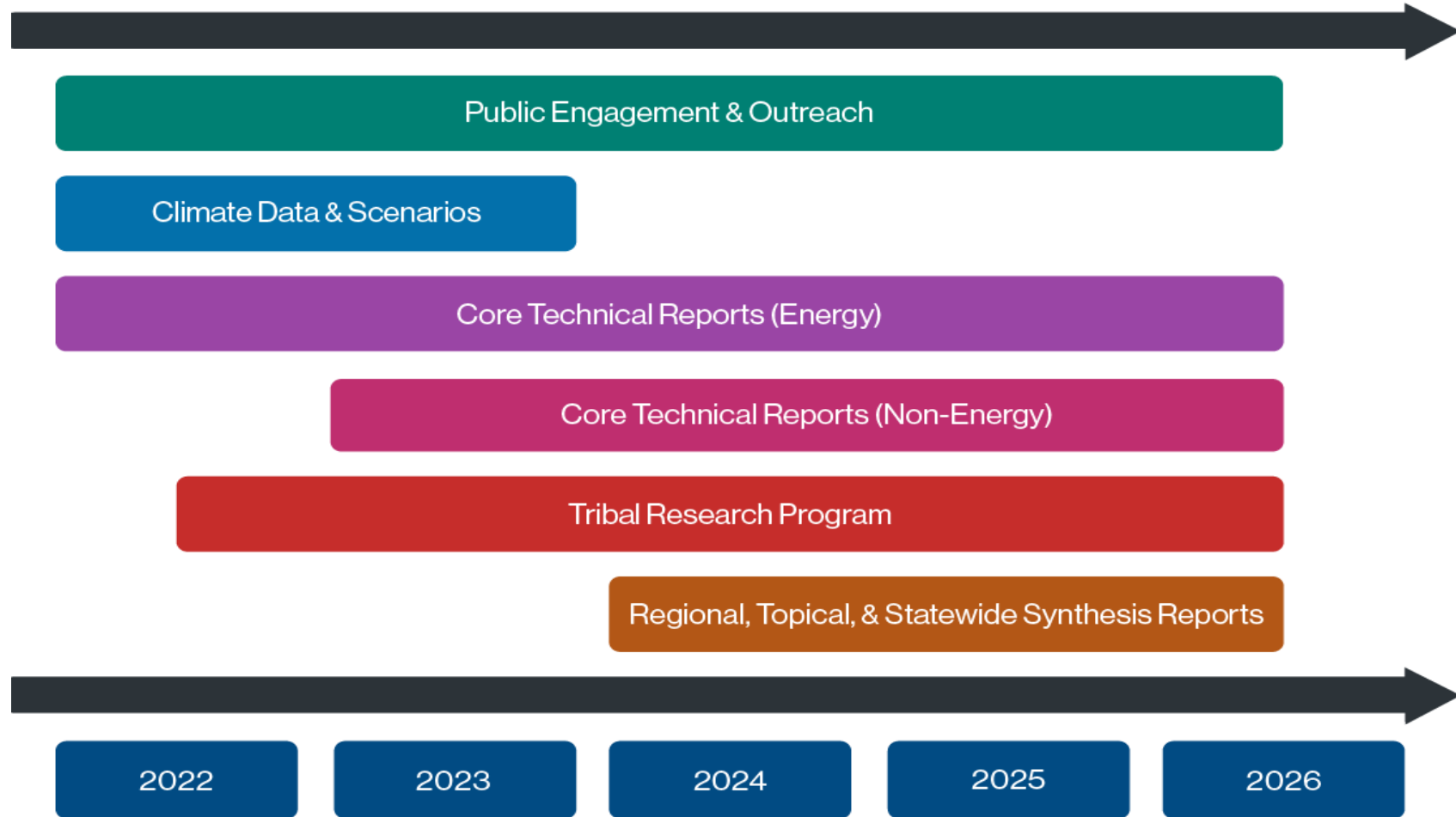


Third Assessment 2012

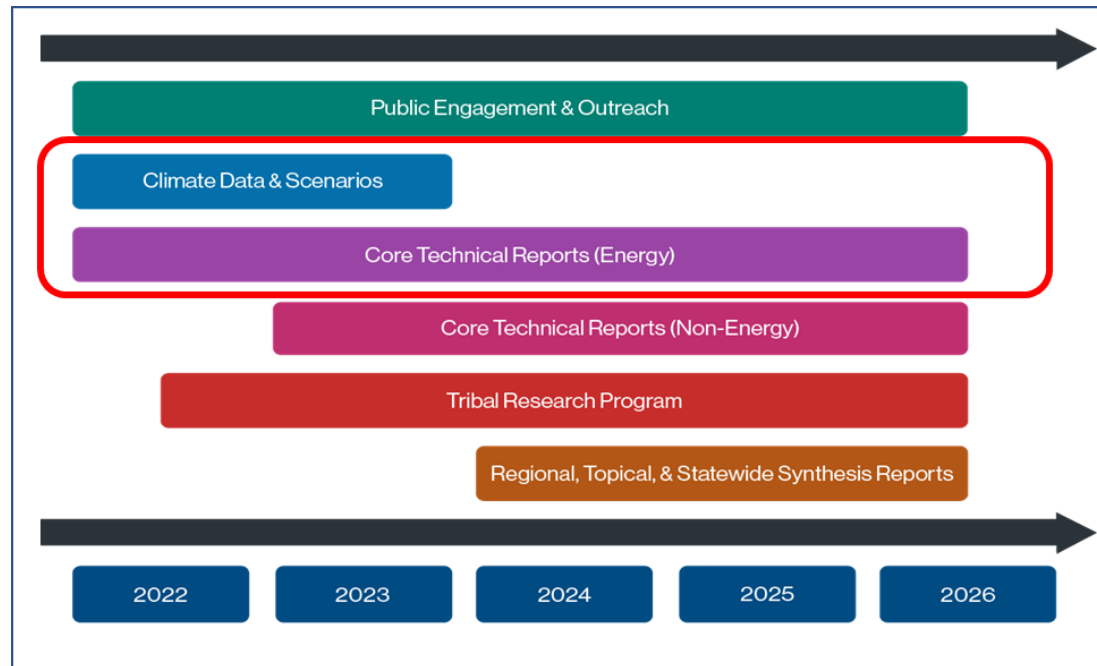


Fourth Assessment 2018

Fifth Assessment Timeline



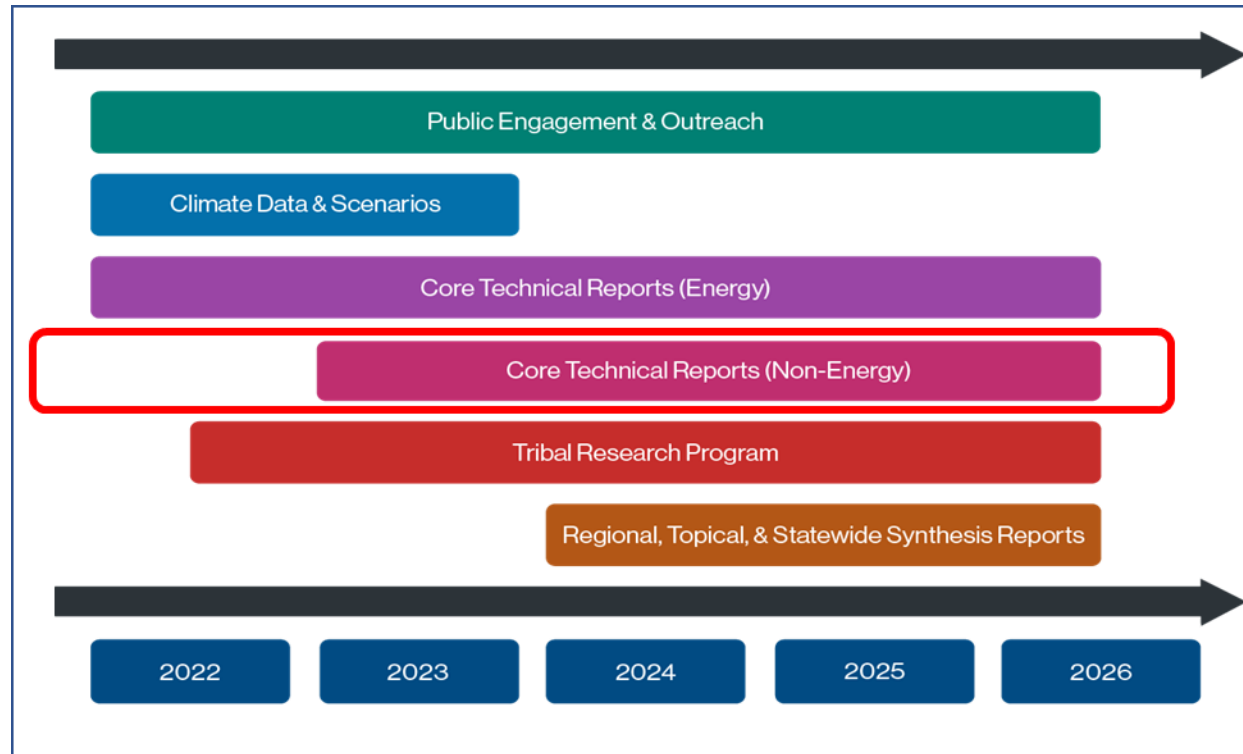
Climate Data and Scenarios



- Climate Data and Projections
- Wildfire and Hydrologic Scenarios
- Cal-Adapt:
 - Analytics Engine
 - Update of web application

Core Climate Research

Competitive Funding Program



Competitive funding program to support a suite of research products that fill gaps in understanding about adapting to climate impacts, in alignment with the State's priority climate research gaps and climate and equity goals.



Core Climate Research

Competitive Funding Program



- Eligibility: All public, private entities, and tribes.
- Research proposal period: Starting early 2023.
- Announcement of awards: Anticipated for mid 2023.
- Final deliverables anticipated Q3 2025.

CA Climate Assessment Research Topics and Gaps



Purpose:

- To help fill knowledge gaps and further research in priority areas across the state
- To help inform how the Climate Assessment is allocating funding

Cross Cutting Topics/Themes relevant to all listed research gaps:

- Governance
- Economics and financing
- Equity
- Traditional knowledge(s) and tribal expertise/impacts

Tribal Specific Topics:

- Impacts of climate change on forest health and how cultural and prescribed burning can build resilience to these impacts.
- Climate change-related impacts on tribal cultural resources, culturally important species, traditional gathering areas, ceremonial sites, other cultural sites, as well as the impacts communities and individuals may experience due to (further) loss of their culture.
- Effects of climate change on California Native American tribes' traditional food sources, food systems, and culturally important species

CA Climate Assessment Research Topics and Gaps

Purpose:

Tribal Specific Research Topics and Gaps Identified through this Process:

- Impacts of climate change on forest health and how cultural and prescribed burning can build resilience to these impacts.
- Climate change-related impacts on tribal cultural resources, culturally important species, traditional gathering areas, ceremonial sites, other cultural sites, as well as the impacts communities and individuals may experience due to (further) loss of their culture.
- Effects of climate change on California Native American tribes' traditional food sources, food systems, and culturally important species

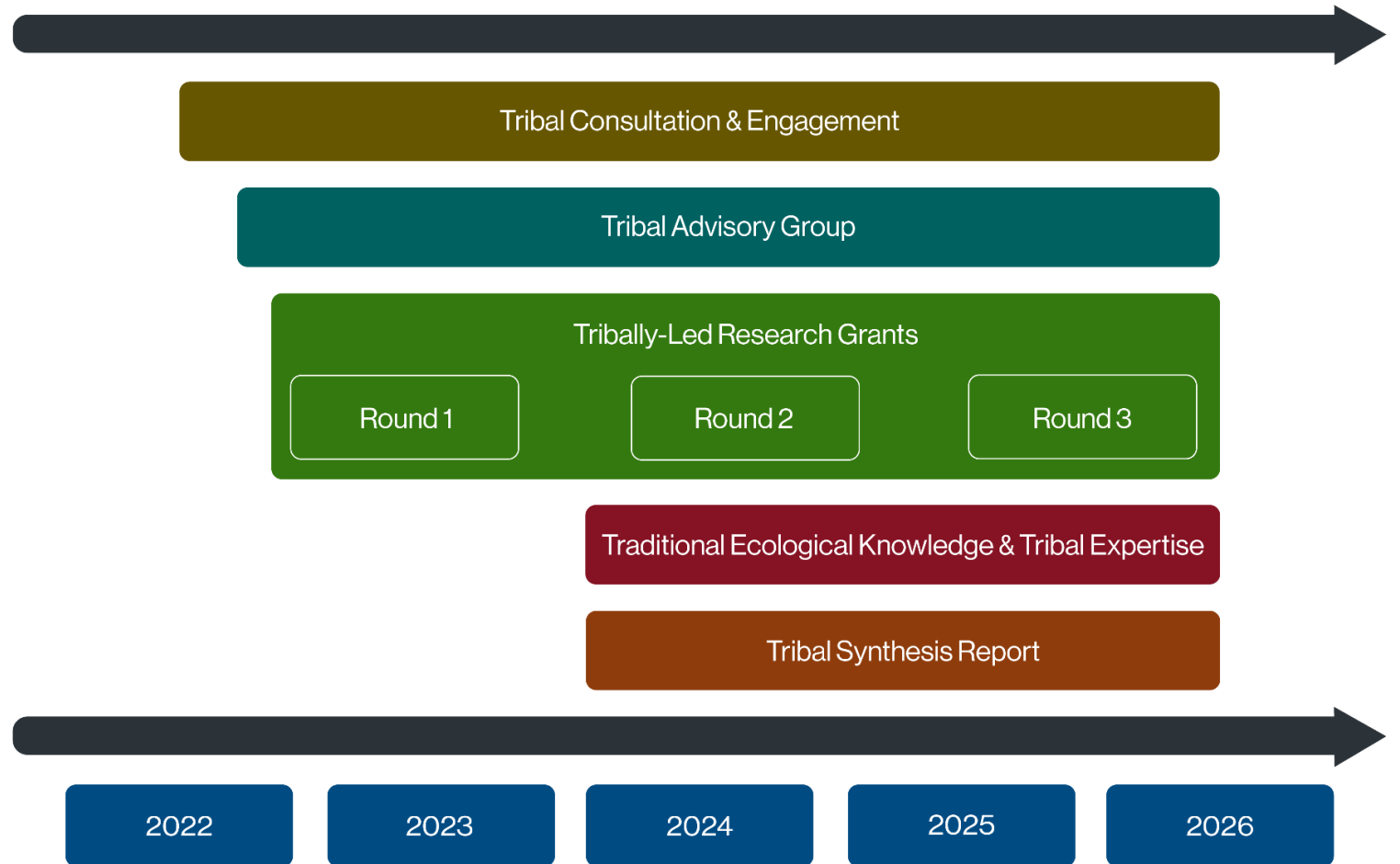
due to (further) loss of their culture.

- Effects of climate change on California Native American tribes' traditional food sources, food systems, and culturally important species



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Tribal Research Program



Tribal Engagement and Consultation: 7/2022- 12/2022

Topics/Themes:

- Tribal Advisory Group
- Approach to working with Tribes on Traditional knowledge(s)
- Tribal Research Grant Program

Events:

- Letters to tribes in July 2022
- Government to government consultation with 7 Tribes
- 1:1's with tribal partners (tribes, State liaisons, tribal organizations, etc.)
- Round tables with Tribes, Academics, and Community Organizations to inform Climate Assessment Research Topics
- 6 listening sessions (July 2022-January 2023) ~15-30 attendees each
- ~150 unique comments, priorities, and suggestions

Tribal Research Program

Competitive Funding Program



Purpose: To support research by California Native American tribes to address tribal needs and questions related to climate change through:

- Research
- Climate Assessments
- Implementation
- Information Sharing
- Tool Development
- Participation in CA Climate Assessment

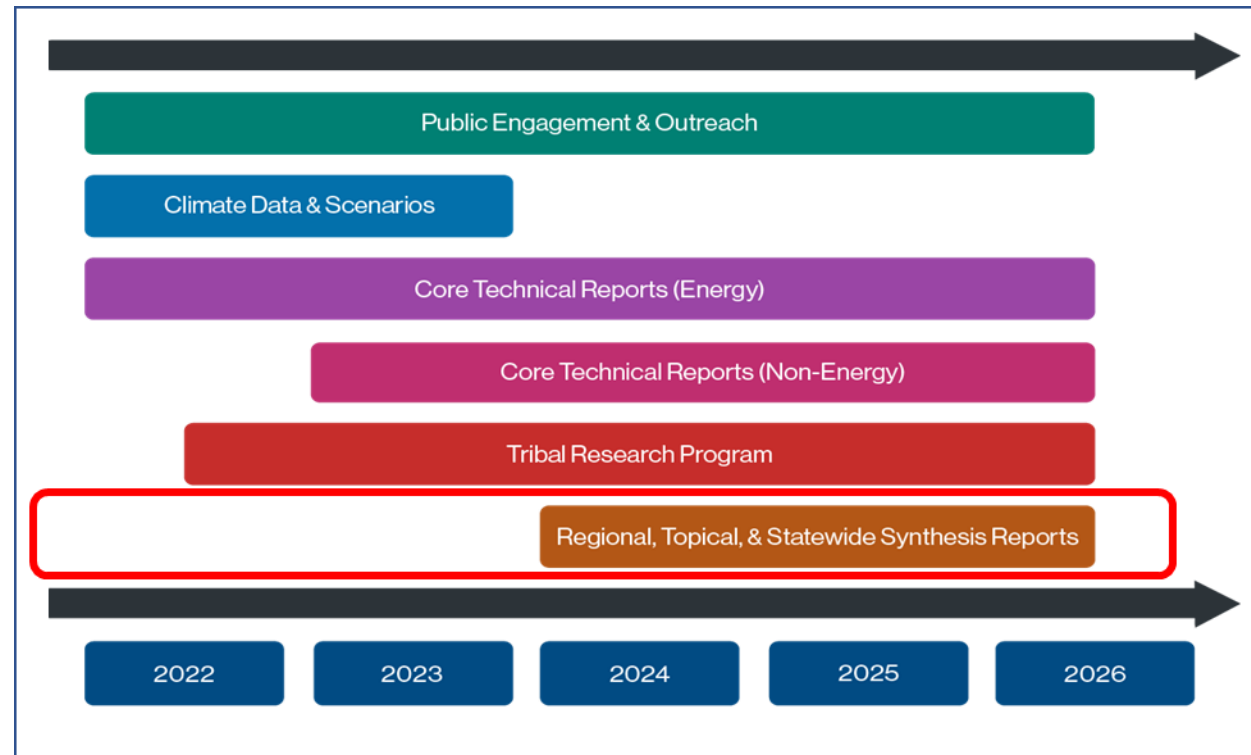
Eligibility: California Native American tribes, tribal-serving non-governmental organizations, and other California tribal organizations

Format: Grants totaling \$3.625 million over three funding rounds and six categories of grants

Near-term Schedule:

- Individual Consultation Meetings Available throughout
- Spring 2023: Round 1 Solicitation & Agreement Development

Next Steps: Regional, Topical, and Synthesis Reports



- Regional Reports
- Topical Reports
- Statewide Summary

Fourth Assessment resources at climateassessment.ca.gov

Next Steps: Regional, Topical, and Synthesis Reports



- Community-driven research
- Actionable science
- Statewide and regionally relevant information and resources



Next Steps

- Final Guidelines estimated release in February or March 2023
- Pre-application workshop around the time draft guidelines are released
- More funding and participation opportunities later this year
- Tribal Advisory Group, initial group is currently in contracting process. Additional seats to fill, please email me with interest



Thank You!

Email us:

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Learn About the Fourth Assessment:

<https://climateassessment.ca.gov/>

Sign up for OPR's Tribal Mailing List:

Link in the chat

