



California's Fifth Climate Change Assessment
Draft Research Topics

Human Health, Culture, and Wellbeing

This category includes California's Fifth Climate Change topic suggestions regarding climate impacts on human health (physical and mental) and emergencies, general safety and wellbeing (including in the workplace), impacts to cultural resources, and resilience to these impacts. This includes cultural, social, and economic impacts of climate change, such as human migration and displacement, and responding to these impacts. **Each roundtable discussion includes considerations for equity, traditional knowledges, governance, and economics and financing.**

Draft Research Topics & Gaps for Discussion	
H1	How climate change impacts to human communities can be communicated and incorporated into effective, proactive, and equitable management.
H2	Lessons learned from tribal expertise, traditional knowledges, and indigenous leadership. Consider how the State can better partner with and support the elevation of indigenous leadership in climate planning.
H3	Climate-related impacts on tribal cultural resources, traditional gathering areas, ceremonial sites, other cultural sites, as well as cultural heritage or the impacts humans may endure due to (further) loss of their culture.
H4	Cultural impacts for tribal communities forced to migrate or adapt due to climate change whose culture is often place based (e.g., loss of medicinal plants and other culturally important species).
H5	Impacts of climate change on tribal traditional food sources/sovereignty.
H6	Impacts on food security as well as climate benefits/costs of sourcing food locally.
H7	Increased understanding and assessments on the impacts to California's historical sites and properties.
H8	Equity impacts of climate change adaptive strategies (ex. cooling resources, indoor air quality solutions, displacement on vulnerable communities, etc.).
H9	Impacts of climate change on persons experiencing homelessness.
H10	Quantify the benefits of social infrastructure for adaptation and resilience.
H11	Health (mental and physical) and social impacts on community due to wildfires and post-fire recovery/resilience factors, including displacement and effects of toxics from certain retardants.
H12	Health (mental and physical) and social impacts of wildfire smoke (consider short-term vs chronic and cumulative impacts).
H13	Health (mental and physical) and social impacts related to water supply and quality issues due to drought (e.g., well dependence)?
H14	Health (mental and physical) and social impacts of extreme heat and compounding effects for example heat mitigation strategies for vulnerable communities.



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H15	Economic valuation of the health impacts of climate change.
H16	Economic impacts of disruptions from climate change related hazards, including emergency response.
H17	Access to climate finance with a focus on disparities and how can those be addressed, including tribal communities' access.
H18	Occupational injuries and illnesses related to extreme heat, wildfire smoke, and other climate impacts on workers.
H19	Increased understanding on which workers are most vulnerable to the impacts of climate change, what are the best practices to mitigate the impacts, and the best ways to communicate the impacts.
H20	Most effective types of greenspaces to improving public health and building climate resilience.
H21	Impacts to rural communities and tourism economies, including wildfire, precipitation changes, and others.
H22	Health (mental and physical) and social impacts of sea level rise.
H23	Health (mental and physical) and social impacts to and consequences of hazardous waste and environmental toxics from flooding, SLR, and other climate related event that mobilize/expose them. This may include a statewide contaminated sites vulnerability assessment.
H24	Intersection of climate change impacts, drought, and pesticide use on public health and the environment.
H25	Economic equity analysis of government recovery assistance for climate-fueled disasters (e.g., wildfire, flood, drought).
H26	Health (physical and mental) and social impacts from changes in vector-borne disease from climate-related natural disaster.
H27	Identifying how clean air solutions (indoor air cleaners, clean air spaces, masks, HVAC filtration) can be provided equitably to California communities while protecting against increasing thermal stress?