

**WELCOME TO THE
SAN JOAQUIN REGIONAL CLIMATE
COLLABORATIVE'S EDUCATIONAL
WORKSHOP #3**

**UNDERSTANDING THE IMPACT
OF CLIMATE CHANGE:
Introduction to Climate
Disasters**

HOSTED BY PUBLIC HEALTH ADVOCATES

Housekeeping Items



- Zoom - The educational workshop will be recorded
- Ensure your name is displayed correctly
- Mute when not speaking
- Raise hand feature

Agenda

Time	Agenda Item
5:00 - 5:10 PM	Icebreaker and Introduction
5:10 - 5:20 PM	Event Overview
5:20 - 5:35 PM	Presentation
5:35 - 5:50 PM	Break
5:50 - 6:05 PM	Breakout Groups
6:05 - 6:15 PM	Report Out
6:15 - 6:30 PM	Announcements/Wrap Up



Introductions

The background of the slide is a photograph of a cracked, dry earth landscape. In the center, there is a semi-transparent, dome-shaped structure that contains a row of several green, bushy trees. The trees are arranged in a line and appear to be growing in a small, contained area within the dome. The overall scene suggests a contrast between a dry, arid environment and a lush, green one.

Name

Organization/City

What is your favorite holiday song?

A scenic view of a city waterfront, likely San Joaquin, California. The foreground shows a canal with a metal railing on the right side. In the middle ground, there are several buildings, including a prominent yellow building with a red roof and a large dome structure. Palm trees are visible on the right side. The sky is blue with scattered white clouds.

San Joaquin
Regional Climate Collaborative:
Project Introduction

VISION

RCC envisions a region where all communities live in healthy places filled with equity and economic opportunity and are ready to meet the challenges posed by climate change.

Partners

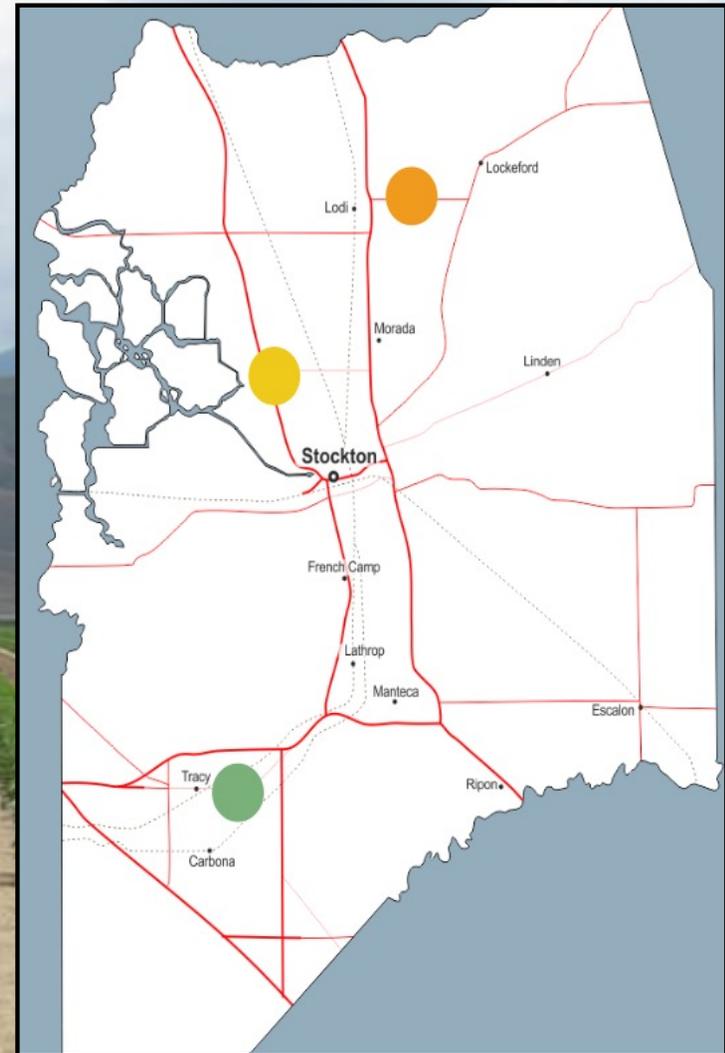


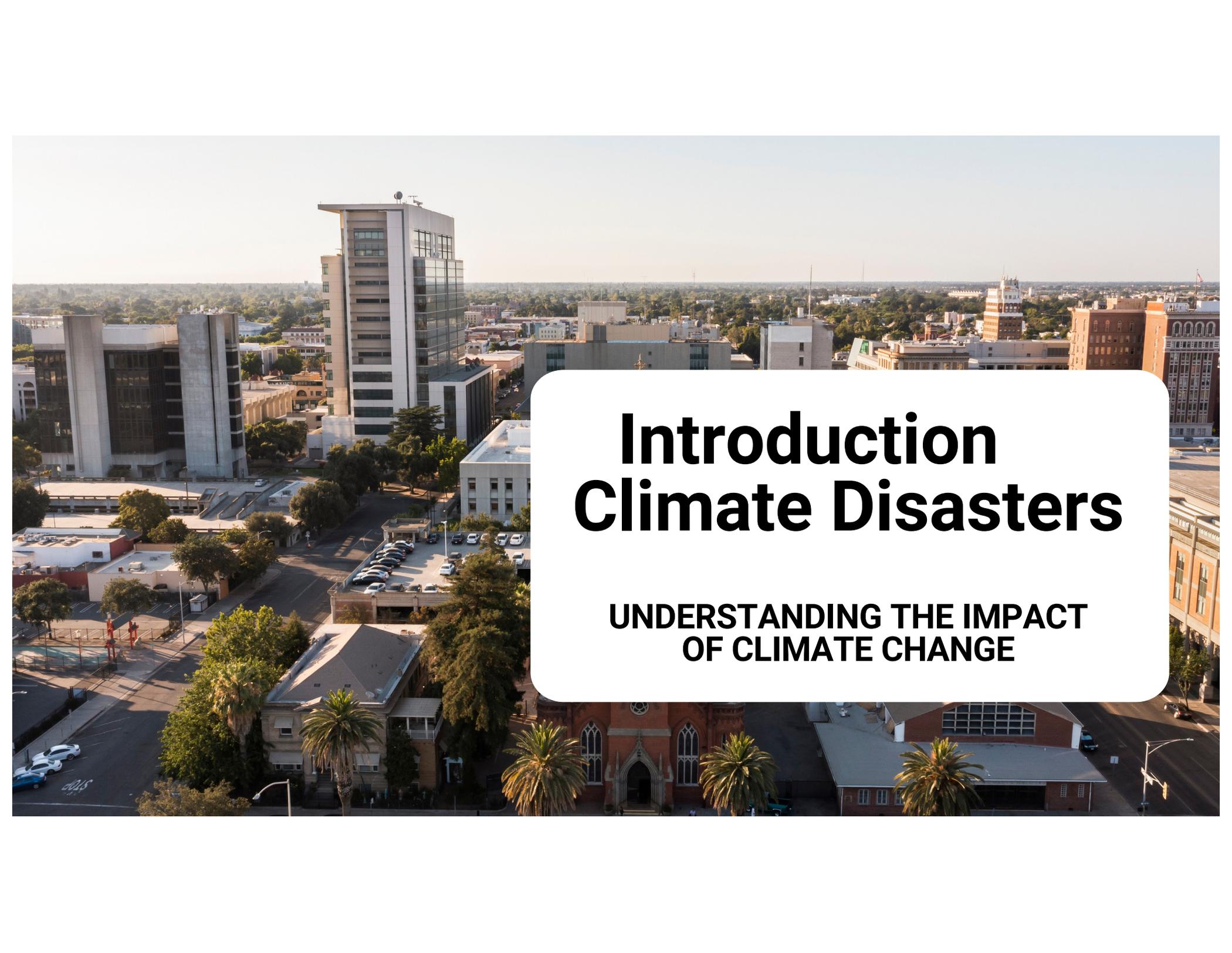
COMMUNITIES OF FOCUS

- Lodi
- Stockton
- Tracy

ACTIVITIES

1. Coalition building
2. Community outreach to promote resiliency
3. Educational workshops addressing climate issues



An aerial photograph of a city, likely Tallahassee, Florida, showing a mix of modern and historic architecture. A large white rounded rectangle is overlaid on the right side of the image, containing the title and subtitle. The background shows a tall modern building, a parking lot with cars, and a historic brick building with Gothic-style windows in the foreground.

Introduction Climate Disasters

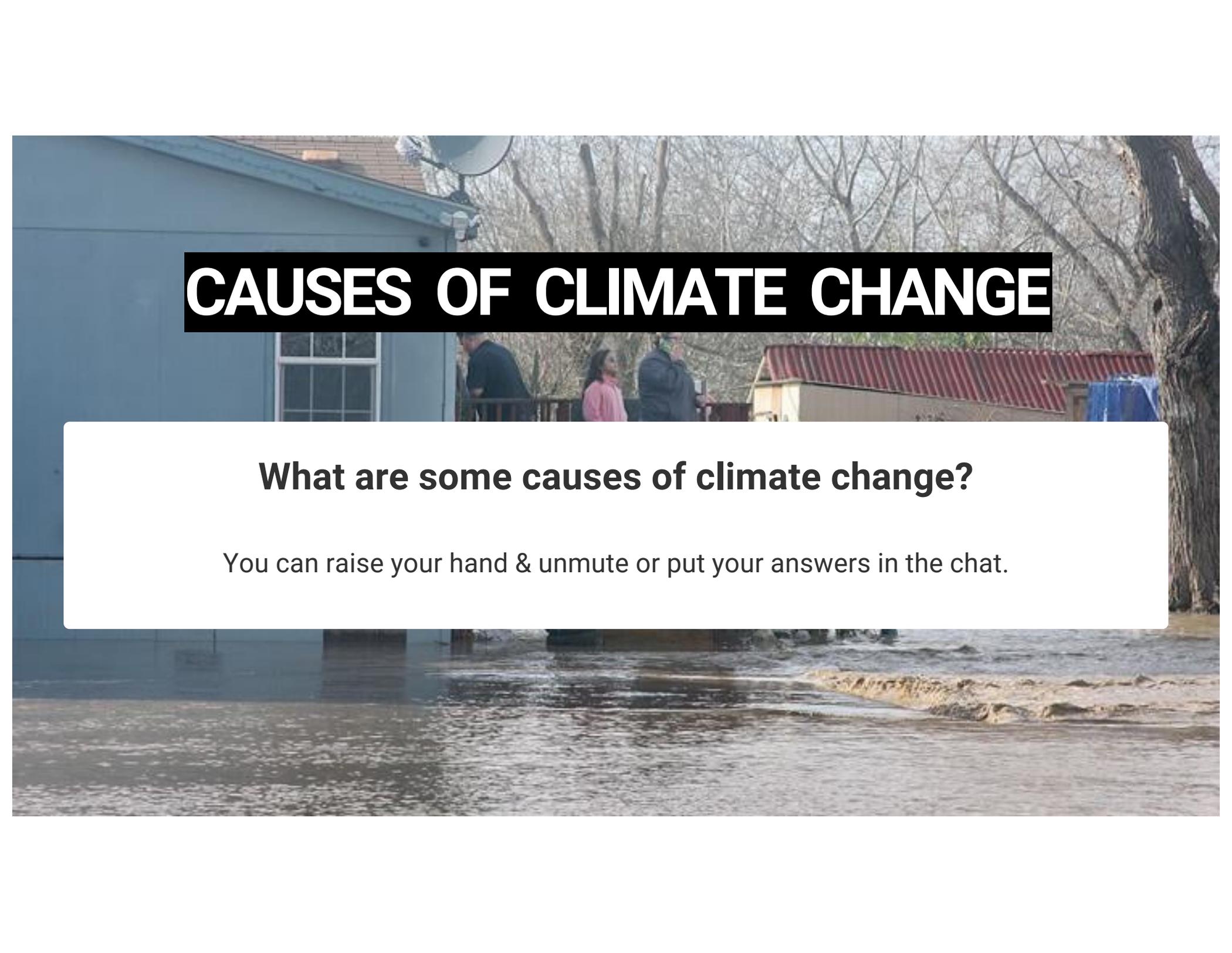
**UNDERSTANDING THE IMPACT
OF CLIMATE CHANGE**



WHAT ARE CLIMATE DISASTERS?

Climate disasters refer to extreme weather events and other environmental changes that are intensified by climate change. These disasters can lead to significant social, economic, and environmental impacts, affecting lives, infrastructure, and ecosystems.

The Liberty Fire was a wildfire that burned 104 acres in San Joaquin County, California in July 2024.



CAUSES OF CLIMATE CHANGE

What are some causes of climate change?

You can raise your hand & unmute or put your answers in the chat.

CAUSES OF CLIMATE CHANGE

While natural factors play a role in climate variability, human activities are the dominant force driving current climate change, particularly through greenhouse gas emissions and land use changes. Addressing these causes is critical for mitigating climate change and its impacts.

Such human activities include....



Emissions From Fossil



Deforestation



Industrial Processes



TYPES OF CLIMATE DISASTERS

What are some examples of climate disasters that we've seen recently?

TYPES OF CLIMATE DISASTERS

Disasters that can affect our communities include:



Floods and Flash Floods



Droughts and Heatwaves



Wildfires



IMPACTS ON COMMUNITIES

The impacts of climate change on local communities are interconnected, affecting not only the environment but also social, economic, and health aspects. Addressing these challenges requires comprehensive strategies that promote resilience and adaptation while ensuring that vulnerable populations receive the support they need.

Social and Economic Effects?

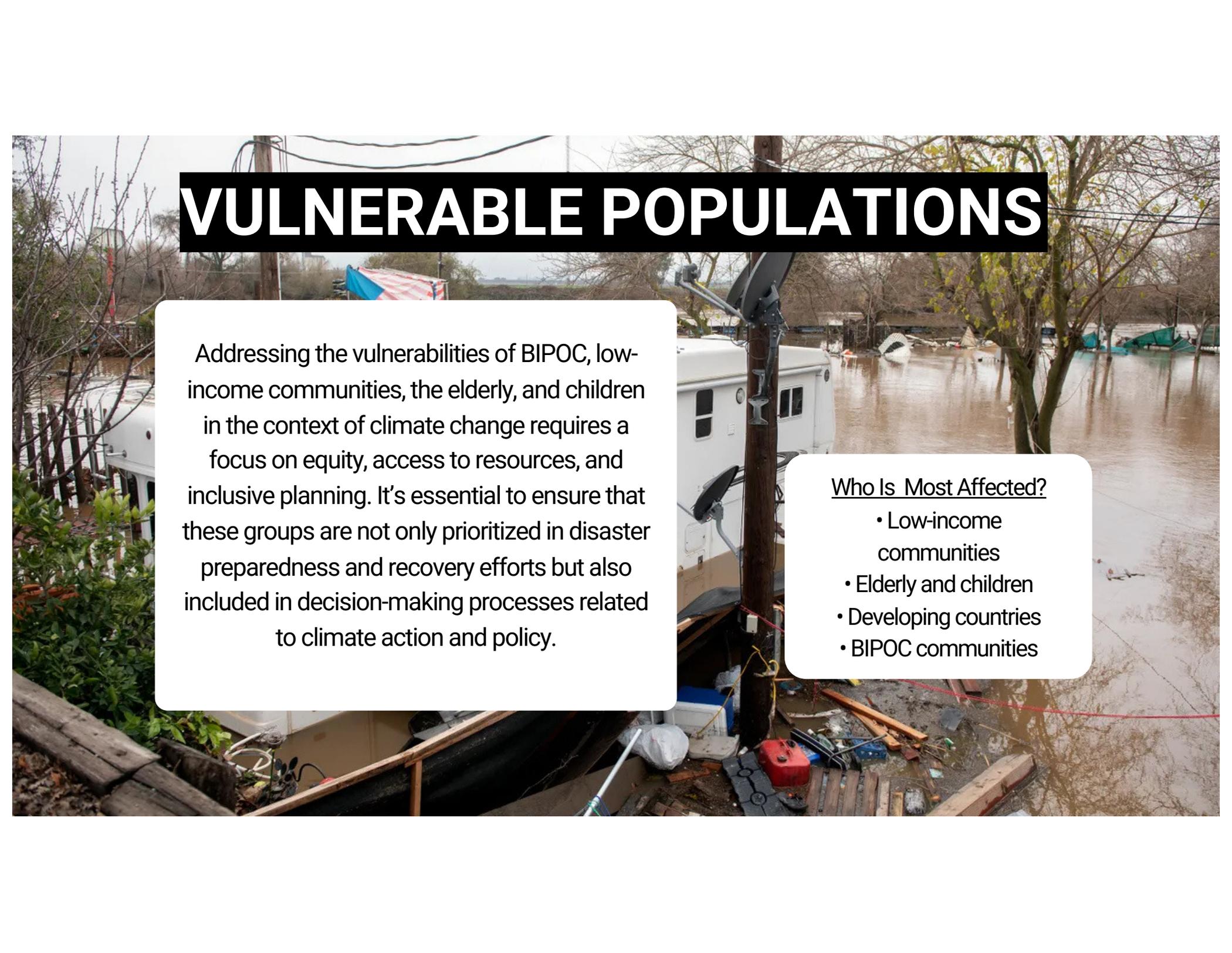


IMPACTS ON COMMUNITIES

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Social and Economic Effects

- Loss of Lives and Livelihoods
- Health Impacts such as asthma, allergies, and other respiratory issues.
- Displacement and Migration
 - Mental Health Impacts

A photograph showing a flooded residential area. In the foreground, there is a wooden deck with various items like a red fuel tank, a white bag, and some tools. A utility pole with a satellite dish stands in the middle ground. In the background, several white trailers are partially submerged in brown floodwater. A red, white, and blue striped tarp is visible on one of the trailers. The sky is overcast, and there are bare trees in the distance.

VULNERABLE POPULATIONS

Addressing the vulnerabilities of BIPOC, low-income communities, the elderly, and children in the context of climate change requires a focus on equity, access to resources, and inclusive planning. It's essential to ensure that these groups are not only prioritized in disaster preparedness and recovery efforts but also included in decision-making processes related to climate action and policy.

Who Is Most Affected?

- Low-income communities
- Elderly and children
- Developing countries
- BIPOC communities

CLIMATE DISASTER PREPAREDNESS

Preparing for climate disasters involves a multi-faceted approach that includes individual, community, and **governmental** actions.

Risk Assessment

- Identify Vulnerabilities
 - Evaluate areas and communities at high risk for climate disasters (e.g., flooding, heatwaves, wildfires).



Infrastructure Resilience

- Strengthen Infrastructure
 - Upgrade buildings, roads, and bridges to withstand extreme weather events
- Sustainable Development
 - Encourage land use planning that minimizes risk, such as avoiding construction in flood-prone areas.



Community Engagement

- Public Education
 - Inform community members about climate risks and preparedness measures through workshops and informational campaigns.
- Involve Local Organizations:
 - Partner with NGOs and community groups to facilitate outreach and preparedness initiatives.



CLIMATE DISASTER PREPAREDNESS

Community Actions:

Adaptive Capacity

→ Communities with strong social networks, access to resources, and knowledge are better equipped to adapt to changing conditions and recover from disasters.



Sustainable Practices

→ Implementing sustainable land use and resource management practices can reduce vulnerability to climate disasters. For example, restoring wetlands can provide natural flood defenses.



Call to Action

→ Encourage collective & individual actions (reduce carbon footprint, advocate for policies).
→ Importance of raising awareness and engaging in community initiatives.



CLIMATE DISASTER PREPAREDNESS

Individual & Community Actions:

Emergency Planning

- Create Emergency Plan
- Develop detailed plans that outline evacuation routes, emergency contacts, and safe locations.
 - Regular Drills
- Conduct practice drills to ensure that everyone knows what to do in the event of a disaster.



Emergency Resources

- Emergency Supplies
 - Prepare kits with essential supplies (water, food, first-aid, medications) and ensure they are easily accessible.
- Communication Tools
 - Ensure access to reliable communication methods for receiving warnings and updates.



Financial Preparedness

- Invest in Technology
 - Implement systems for monitoring climate patterns and issuing alerts for extreme weather events.
 - Insurance Coverage
- Encourage individuals and businesses to have adequate insurance for climate-related damages.
 - Emergency Funds
- Maintain emergency funds at both personal and community levels to facilitate rapid recovery after a disaster.

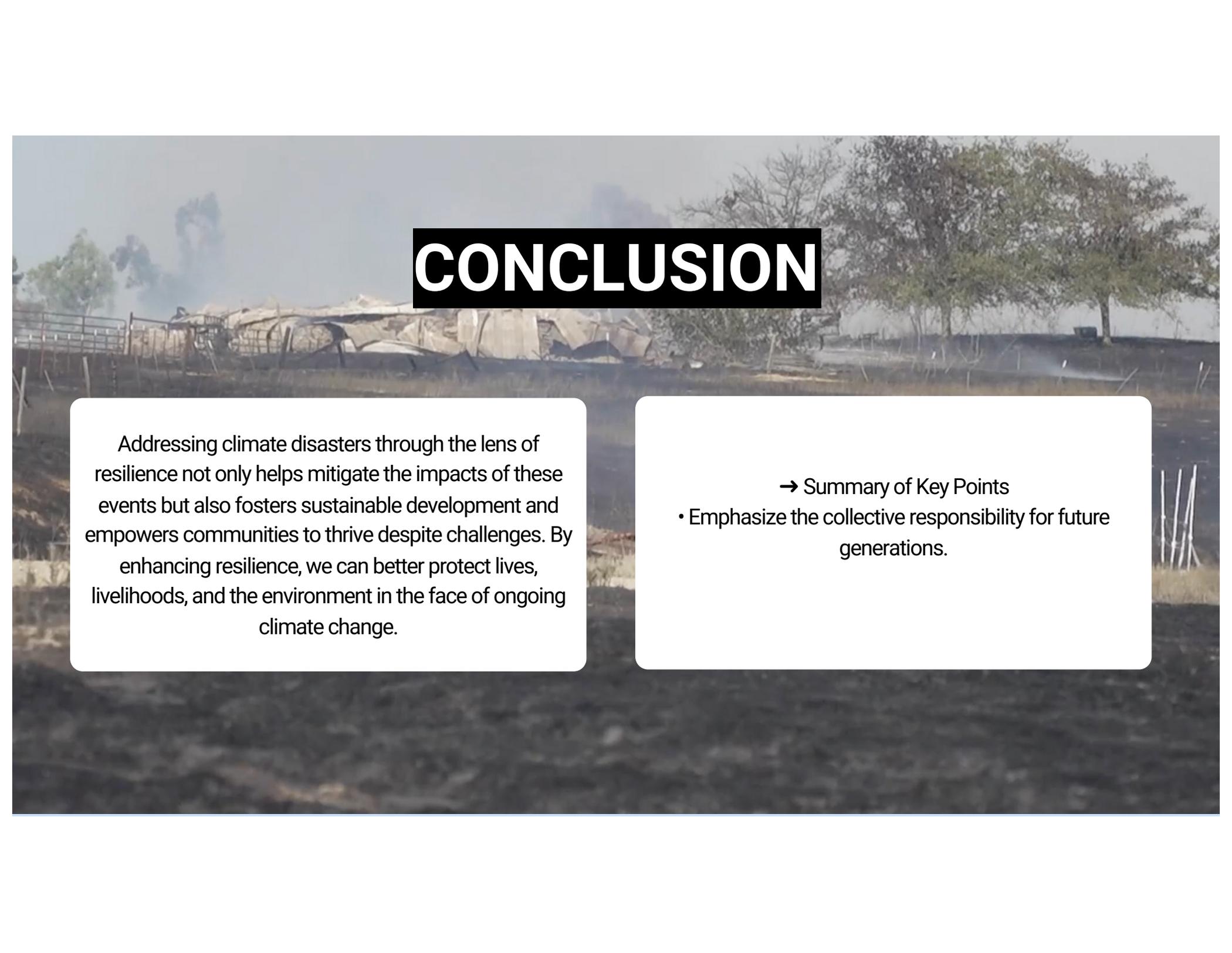


HOW MOBILITY HUBS AID COMMUNITIES

An aerial photograph of a city mobility hub. The hub is a multi-modal transportation center located on a city street. It features a bus stop with a shelter, a large rack of bicycles, and several small, light blue shared cars parked in a designated area. The hub is surrounded by greenery, including trees and a grassy area. In the background, there are modern buildings with large windows and a red brick building. The overall scene is bright and sunny, suggesting a clear day.

Mobility hubs are specific transportation locations with several different transportation options and amenities to assist people with travel that is more accessible for those without a private vehicle.

- Promoting resilient infrastructure and resources like secure shelters and renewable energy sources.
- Giving real-time information about available emergency services and disasters, where this data can help residents make better decisions about road closures, nearby shelter availability, and evacuation routes.
- Shifting toward sustainable living and over time can reduce air pollution and mitigate the impacts of climate change.



CONCLUSION

Addressing climate disasters through the lens of resilience not only helps mitigate the impacts of these events but also fosters sustainable development and empowers communities to thrive despite challenges. By enhancing resilience, we can better protect lives, livelihoods, and the environment in the face of ongoing climate change.

- Summary of Key Points
- Emphasize the collective responsibility for future generations.

A photograph of a flooded road. The road is on the left, with a double yellow line and a white edge line. The right side of the road is completely submerged in muddy, brown water. In the background, there are trees, utility poles, and a clear sky. A large, bold, white 'Q&A' text is overlaid on a black rectangular background on the left side of the image.

Q&A

Have questions? Reach out to us!

William Muetzenberg, Program Manager: WM@PHAdvocates.org

Mary Davis, Program Specialist: MD@PHAdvocates.org

Sources:

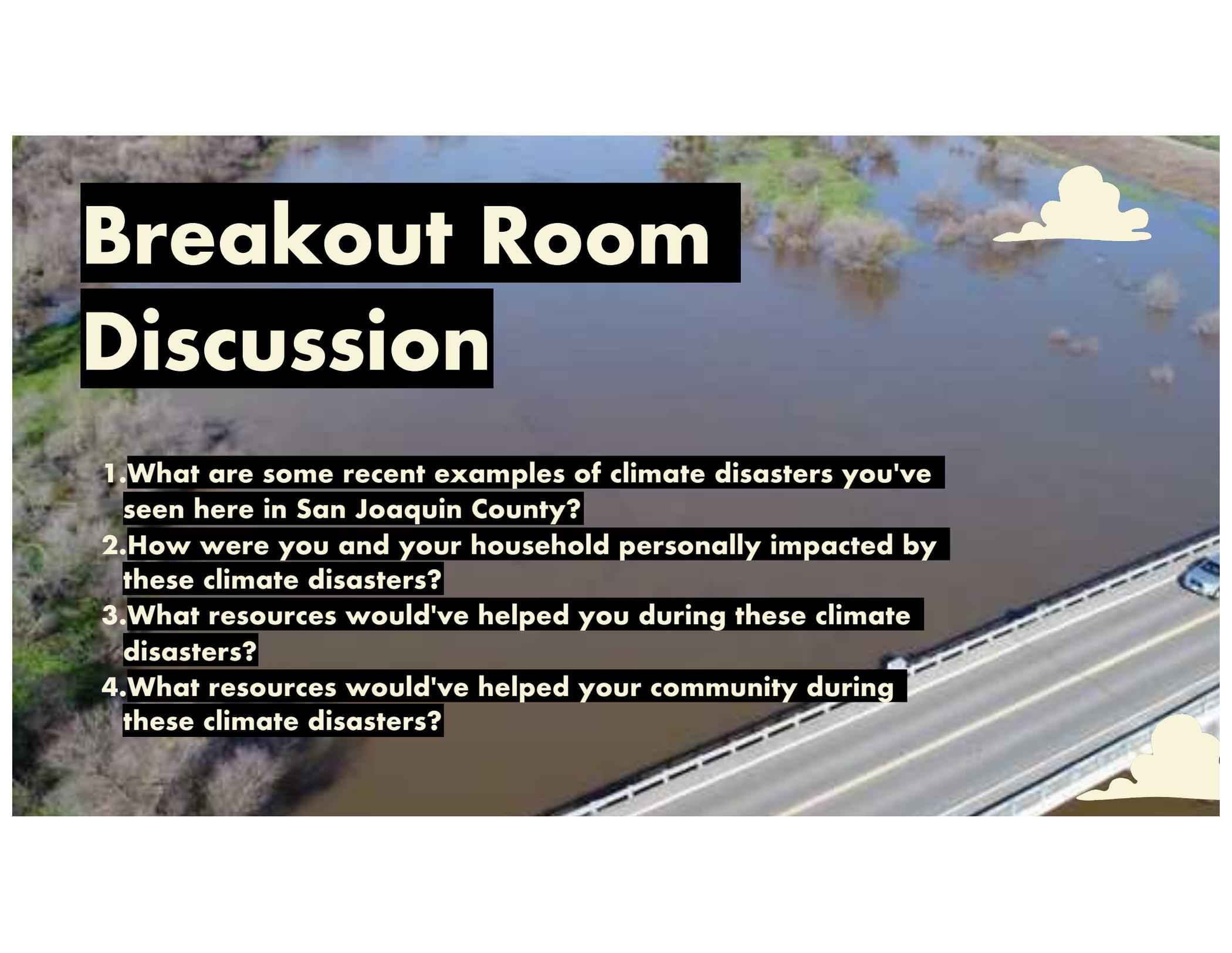
<https://www.usgs.gov/faqs/how-can-climate-change-affect-natural-disasters>

<https://www.c2es.org/content/extreme-weather-and-climate-change/>



Break Time!

Please return in 10 minutes.

An aerial photograph showing a flooded area with a highway and a car. The water is dark and reflects the sky. The highway is a multi-lane road with a white dashed line. A blue car is visible on the highway. The surrounding area is a mix of green and brown vegetation.

Breakout Room Discussion

1. What are some recent examples of climate disasters you've seen here in San Joaquin County?
2. How were you and your household personally impacted by these climate disasters?
3. What resources would've helped you during these climate disasters?
4. What resources would've helped your community during these climate disasters?

Report Out from Group Discussion



Announcements





SAN JOAQUIN REGIONAL CLIMATE COLLABORATIVE

TAKE OUR SURVEY FOR THE FUTURE OF CLIMATE ACTION!

Help us shape the future of climate action in the San Joaquin region! Share your thoughts in our needs assessment survey.

Your input can make a difference!

Scan the QR code to fill out the survey.

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**PUBLIC HEALTH
ADVOCATES**



**GRID
ALTERNATIVES**
North Valley



Catholic Charities
of the Diocese of Stockton
Help for Today... Hope for Tomorrow
**Environmental
Justice Program**



tinyurl.com/SJRCC-NeedsAssessment



LA COLABORACIÓN REGIONAL CLIMÁTICA DE SAN JOAQUÍN

¡PARTICIPE EN NUESTRA ENCUESTA PARA EL FUTURO DE LA ACCIÓN CLIMÁTICA!

¡Ayúdenos a dar forma al futuro de la acción climática en la región de San Joaquín! Comparta su opinión en nuestra encuesta de evaluación de necesidades.

¡Su opinión puede hacer la diferencia!

Escanee el código QR para completar la encuesta

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tinyurl.com/SJRCC-NeedsAssessment



**THANK YOU FOR
ATTENDING!**

**Let's stay in touch!
Visit www.sjcog.org/SJRCC or
email us at SJRCC@sjcog.org.**

Sources:

<https://www.usgs.gov/faqs/how-can-climate-change-affect-natural-disasters>

<https://www.c2es.org/content/extreme-weather-and-climate-change/>