

CLIMATE SCIENCE ALLIANCE

2018 Impact Report

Supporting Climate Resilience
in our Communities
and Natural Areas

RESILIENCE

Science focused projects

Our Model in Action

FEATURED PROJECT:

*San Diego County Ecosystems:
The Ecological Impacts of Climate
Change on a Biodiversity Hotspot*

SAN DIEGO COUNTY ECOSYSTEMS:

*The Ecological Impacts of Climate
Change on a Biodiversity Hotspot*



RESEARCH

A team of ecologists and climatologists worked collaboratively to conduct a review of climate impacts to our region, in order to better inform conservation actions.



Collaborative Research Projects

This year successfully concluded the first phase of the *Climate Resilient Connectivity* project with San Diego State University. This project created a robust methodology to evaluate and plan for landscape connectivity in a changing environment. The next phase of this project funded by CA's Strategic Growth Council will expand to focus on reducing wildfire risk, enhancing water sustainability, and strategic land conservation to support sustainable ecosystems and communities in southern California.

>> Up Next: *Expanding Resilience*

The Alliance is partnering with Para la Naturaleza and Scripps' Center for Climate Change Impacts and Adaptation for *Puerto Rico se Levanta*, a pilot project undertaking a community-based, climate adaptation-focused dune restoration pilot project at Hacienda la Esperanza Reserve in Puerto Rico.

Tribal Working Group

The Alliance facilitated the initiation of the *Tribal Working Group* with **over a dozen Tribal Nations** to utilize education, environmental programs, and traditional ecological knowledge, and focus on community priorities, local ecosystems, and holistic management to safeguard their lands and cultures from the threat of climate change.



>> Up Next: *Baja Working Group*

In 2019, the Climate Science Alliance looks forward to expanding our bi-national partnerships by establishing the *Baja Working Group* - an interdisciplinary team working to investigate climate impacts, advance adaptation solutions, and expand community engagement throughout the Baja Peninsula and Northern Mexico.



2018

\$2,000,000

Climate Science Alliance
and partners

7 successful collaborative grants totaling over \$2 million to support our partners and projects in the region

CAPACITY

Conferences, workshops, trainings



SUMMIT & SUMMARY

Authors discussed findings with over 200 environmental leaders in attendance at the inaugural San Diego Climate Summit.

A summary report was created to highlight key findings and make the results more accessible to land managers and decision-makers.



Inaugural Summit

The inaugural *San Diego Climate Summit* brought together 200+ climate leaders to discuss San Diego's regional resiliency, built environment, and rich biodiversity, as well as findings from the San Diego County Ecosystems assessment. The *Tribal Working Group* built off the success of the inaugural *Southwestern Tribal Climate Change Summit* in 2017, organizing related Tribal trainings and events.



>> Up Next: *Two Summits in 2019*

The Alliance team is excited to co-host the 2nd *San Diego Climate Summit* on March 26 and the 2nd *Southwestern Tribal Climate Change Summit* on August 13-16. The San Diego Climate Summit will focus on the results of California's 4th Climate Assessment and the San Diego Regional Report. The Tribal Summit is an interactive leadership-style retreat with small group breakout sessions, plenary style presentations, and a powerful climate training opportunity for students.

Custom Climate Trainings

The Alliance team proudly provided climate training to **942 professionals** through **22 capacity-building trainings, workshops and conferences** in 2018. We also organized one-on-one consultations with 20 partner organizations, equipping them with climate data and messages to better educate and engage the community.



>> Up Next: *Large-scale Trainings*

We are busy planning multiple collaborations with new partner organizations for the upcoming year, including a large-scale training with museums and institutions in Balboa Park through our connection with the Balboa Park Cultural Partnership. In addition, we are diversifying our *Southwestern Tribal Climate Change Summit* to include a Climate Kids training for student ambassadors from Tribal Nations, Baja, and southern California.

CLIMATE SCIENCE ALLIANCE

est. 2014

pop. ~~80~~ 281

Our network of partners has grown more than 3x its original size. Help us build climate resilience and join today!

COMMUNITY

Education, art, and engagement

ART & COMMUNITY RESOURCES

Our Climate Art Fellow created “Faces of Change” to translate results and included a portrait of a community member directly affected by climate impacts.

The public can pick up a “pocket guide” at the library to learn more about climate change impacts to wildlife and explore 10 things we can all do to help.



Climate Kids

This year we connected with **26,420 youth** through our *Climate Kids* program. With help from student ambassadors, we participated in **18 community events** including 6 Tribal Earth Day events and the 2018 Global Climate Action Summit. All Traveling Trunks now incorporate activities and materials from the San Diego County Ecosystems assessment.



>> Up Next: *Traveling Trunks & Puerto Rico*

Through our new *Puerto Rico se Levanta* project, we will be expanding Climate Kids programming to Puerto Rico, working with new partner organizations and researchers to develop relevant curriculum. Our Traveling Trunks - launched last year - will have their modules expanded to include regional Tribal perspectives and climate impacts to local watersheds. Additionally, we are working to expand resources to cover climate impacts to food systems.

Art & Community Initiative

Our traveling art show, *Art of Change*, brought climate art from our *Affiliated Artists* and local youth in our *Climate Kids* program to **10 events** open to the community, including the beginning of a two-year rotation through the City of San Diego’s public libraries. **Nine new artists** joined our *Affiliated Artists* program in 2018.



>> Up Next: *Climate Art Fellowship*

Following the success of our first year, the *Climate Art Fellowship* will continue to bring artists together with our partners, researchers, and community leaders to help us engage with local communities on climate impacts and solutions that will enhance resilience to climate change impacts. The 2019 Climate Art Fellow will work with our network of partners to help communicate the findings of our ongoing *Climate Resilient Connectivity* project.

100,000+



Since our beginnings in 2014, we have trained over 100,000 Climate Kids in the southwest and beyond

About the Alliance



The Climate Science Alliance is a boundary spanning network of leaders, scientists, and natural resource managers focused on sharing ecosystem-based resiliency approaches to safeguard our communities and natural resources from the impacts of our changing climate. We do this through leading activities and creating partnerships that increase awareness of climate change impacts, promote solutions, and facilitate action.

Dr. Amber Pairis, CSA Director



*Together
we can*

The Climate Science Alliance stands at a unique nexus of science, management, and community engagement. Our model has evolved this year from three distinct working groups to what we believe our communities need most — a united network linking powerful projects across the Alliance. Through this new model, strategies

and solutions are more easily integrated into all that we do. Together, we can push the climate conversation forward.

Looking toward the future, not only are we excited to continue our partnerships with the 281 organizations that comprise the Alliance, but we are also eager to expand our model to new and influential endeavors. The power of the Climate Science Alliance network lies in its ability to identify gaps in our understanding on climate impacts and work together to create and implement actionable solutions. By building resilience, capacity, and community, the Alliance seeks to cultivate a sense of ownership and urgency towards changing our activities to protect our natural resources and communities now and in the future.

Sincerely,

Support the Alliance

Together we can build a more resilient future.
Donate once, monthly, or find another way to give:

www.climatesciencealliance.org/support

Stay connected

www.climatesciencealliance.org

www.climatekids.org



@ClimateScienceAlliance



@CSAinAction



@ClimateScienceAlliance

Join the Alliance

Join the 281 organizations and agencies that are working collaboratively to promote climate resilience with the Climate Science Alliance.

www.climatesciencealliance.org/connect

“

Thank you so much for providing the tools to articulate climate science in a way which people can understand and relate.

Kait Cole, EcoLife Conservation

An invaluable forum to bring together diverse audiences and identify opportunities to take action in an interdisciplinary way. Let's keep the momentum going!

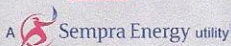
2018 San Diego Climate Summit Attendee

Despite the uncertainty we are not powerless. San Diego has some great creative minds working towards solutions.

Amanda Lee, City of Del Mar

”

Thank you to the following organizations that provided support for the Alliance this year:



Southwest Climate Adaptation Science Center



SAN DIEGO STATE UNIVERSITY



California-Nevada Climate Applications Program



Our fiscal sponsor:

CALIFORNIA WILDLIFE FOUNDATION
WWW.CALIFORNIAWILDLIFEFOUNDATION.ORG