



SOUTH CENTRAL CLIMATE **RESILIENCE** FORUM 2024

**Building a More Resilient
Region Together**

#SCCRF2024
www.sccrf.org

Dallas, Texas
April 2-4, 2024

SCHEDULE AT-A-GLANCE

Time	Tuesday, Apr. 2	Wednesday, Apr. 3	Thursday, Apr. 4
8:00 am		Registration & Check-in Networking Coffee	Registration & Check-in Networking Coffee
8:30 am			
9:00 am	Registration & Check-in	<u>Concurrent Session Block 2</u>	<u>Concurrent Session Block 5</u>
9:30 am			
10:00 am		Break	
10:30 am			Break
11:00 am		<u>Welcome Plenary</u>	<u>Concurrent Session Block 3</u>
11:30 am	Networking Lunch		
12:00 pm			
12:30 pm		Networking Lunch	Independent Lunch
1:00 pm	<u>Concurrent Session Block 1</u>		<u>North TX Climate Symposium</u> or <u>Optional Field Trips, Side Meetings</u>
1:30 pm		<u>Concurrent Workshop</u>	
2:00 pm			
2:30 pm	Break	Break	
3:00 pm	<u>Keynote Speaker: Dr. Katharine Hayhoe</u>		
3:30 pm		<u>Concurrent Session Block 4</u>	
4:00 pm	Break		
4:30 pm	<u>From Science to Action Panel</u>		
5:00 pm		<u>Exhibitor Reception</u>	
5:30 pm			
6:00 pm	<u>Reception</u>		
6:30 pm			
7:00 pm			

WELCOME TO THE INAUGURAL SOUTH CENTRAL CLIMATE RESILIENCE FORUM!

We are so glad you have joined us for the first ever South Central Climate Resilience Forum. We know our region is diverse - ranging from the waving prairies of Oklahoma and Kansas to the coastal beaches and bayous of Texas and Louisiana. From large urban centers like Dallas to small rural communities, from agriculture and ranching to tourism and hospitality, our region has it all. We also have hurricanes, heat domes, and snowpocalypse-style winter storms and climate change is making many of these extreme events worse. This is tough country, and its people are tougher. Our friends work hard, play hard, and care deeply, including those who disagree with us. Most of us who live here love it here.

As the Southern Great Plains chapter of the 2023 National Climate Assessment says: “Climate change is beginning to alter how we live ... putting us at risk from climate hazards that degrade our lands and waters, quality of life, health and well-being, and cultural interconnectedness... To address the growing risk, effective climate-resilient actions include implementing nature-based solutions; valuing Indigenous, traditional, and local knowledges; and infusing climate change solutions into community planning.”

We are here to do just that: to value scientific and local knowledge, lived experiences, and traditional knowledges; to use our shared expertise to guide our planning and investments; and to build the partnerships and connections required to do this work effectively. The better we can communicate with our neighbors about the challenges and opportunities in front of us, the more likely we are to succeed at building stronger, healthier, and more resilient communities.

These three days are going to be busy. We encourage you to lean into the work, lean into conversations, and lean into learning. Be brave and introduce yourself, raise your hands with challenging questions, push us to think deeper and be creative. Let's listen, laugh, and learn together because this Forum isn't the end of the resilience journey, it is just a step along the way and a journey that is better taken together.

On behalf of the Planning Committee:

Darrian Bertrand, Southern Climate Impacts Planning Program, University of Oklahoma

Sascha Petersen, Adaptation International

Sarah Terry-Cobo, City of Oklahoma City | Office of Sustainability

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SOUTH CENTRAL CLIMATE RESILIENCE FORUM INAUGURAL PLANNING COMMITTEE

The development of the 2024 South Central Climate Resilience Forum is led by a collaborative group of academic institutions, municipalities, federal agencies, and organizations.

***Darrian Bertrand, *Caylah Cruickshank, *Rachel Riley** - NOAA CAP/RISA Southern Climate Impacts Planning Program

***Sascha Petersen, Celine Rendon** - Adaptation International

***Codie Winn** - South Central Climate Adaptation Science Center

***Susan Alvarez** - North Central Texas Council of Governments

***Maritza Figy** - City of Dallas

***Marc Coudert, Laura Patiño** - City of Austin

***Andrès Cibils, Susan Eisenhour** - USDA Southern Plains Climate Hub

***John Nielsen-Gammon** - NOAA Southern Regional Climate Center, Texas A&M University

Debalina Sengupta, April Taylor - Texas Sea Grant, Texas A&M University

Patrick Bixler - University of Texas at Austin

Jordan Fazio, Anna Sitzman - Louisiana State University - Department of Geography and Anthropology; SCIPP

Tina Cole - Northwest Arkansas Economic Development District

Leif Olson - City of Fayetteville, AR

T.O. Bowman, Sarah Terry-Cobo - City of Oklahoma City

Danielle O'Neal - City of Yukon, OK

Kathy Jack - The Nature Conservancy, Texas Chapter

*Founding member of the
planning committee



SPOTLIGHT PROGRAMS

Keynote Speaker: Dr. Katharine Hayhoe

Tuesday April 2, at 3:00 pm
Ballroom A1-A2



Dr. Katharine Hayhoe is the chief scientist for The Nature Conservancy, a distinguished professor at Texas Tech University, and the author of *Saving Us: A Climate Scientist's Case for Hope and Healing in a Divided World*.

North Texas Climate Symposium

Thursday April 4, at 1:00 pm
Ballroom A1-A2

The 7th Annual North Texas Climate Symposium will be held in the ballroom to educate and bring awareness to the impacts of climate change in North Texas and discuss how we, as North Texans, can address and mitigate those impacts.

From Science to Action Panel Hayhoe, Nance, Bowman, & Johnson

Wednesday April 2, at 4:15 pm
Ballroom A1-A2

Panelists include Dr. Katharine Hayhoe; Dr. Earthea Nance, EPA's Region 6 Administrator; T.O. Bowman, Program Planner, City of Oklahoma City Office of Sustainability; and Arthur Johnson, Chief Executive Director, Lower 9th Ward Center for Sustainable Engagement and Development. Alejandra Martinez, Texas Tribune Environmental Reporter, will moderate. Martinez will lead the group to explore resilience examples in the region and what keeps them hopeful to continue work in this space.

Field Trip & Side Meetings

Thursday April 4, at 1:00 pm

- Reserve a room for side meetings with your group or new networking partners for free.
- Attendees can choose one of the following field trips to:
 - Restoration Farms (via transit).
 - Dallas County Renovation & Nearby Green Infrastructure (walking tour).

CONCURRENT EVENTS - ROOM LOCATIONS

Session/Workshop A:Ballroom A1-A2

Session/Workshop B:A114-116

Session/Workshop C:A118-119

Session/Workshop D:A133-134

Session/Workshop E:A135-136

DAY 1: TUESDAY, APRIL 2

DAILY SCHEDULE

Time	Event	Location
9:00 am - 5:00 pm	Registration and Check-in	Lobby
11:00 am - 11:45 am	Welcome Plenary	Ballroom A1-A2
11:45 am - 1:00 pm	Catered Networking Lunch	Ballroom A1-A2
1:00 pm - 2:30 pm	Concurrent Session Block 1	
2:30 pm - 3:00 pm	Networking Break	
3:00 pm - 4:00 pm	Keynote Speaker: Dr. Katharine Hayhoe	Ballroom A1-A2
4:00 pm - 4:15 pm	Short Break	
4:15 pm - 5:00 pm	<u>From Science to Action Panel</u>	Ballroom A1-A2
5:30 pm - 7:00 pm	Reception	Ballroom A1-A2

WELCOME PLENARY

11:00 am - 11:45 am in Ballroom A1-A2

The SCCRF Planning Committee thanks the City of Dallas in their partnership in making this event a success. Our host city welcomes you to learn about some of their resilience initiatives during the welcome plenary.



Speakers:

- Omar Narvaez, City of Dallas Council Member
- Carlos Evans, Director of Office of Environmental Quality and Sustainability
- Genesis Gavino, Chief of Staff to the City Manager, Resilience Officer

CONCURRENT SESSION BLOCK 1

1:00 pm - 2:30 pm

Session Block Table of Contents

Session Block 1A: Greening Texas Cities for Community Resilience: Real World Interventions and Lessons Learned

Ballroom A1-A2

Session Block 1B: Climate Science Informing Decisions

A114-116

Session Block 1C: Global Dilemma | Local Solution: Transdisciplinary Approach to Addressing Urban Heat Islands (UHI)

A118-119

Session Block 1D: Forecast-Informed Reservoir Operations as a Potential Water Management Strategy in Texas

A133-134

Session Block 1E: Disaster Resilience: Frontline Wisdom, Social Capital, and Innovation in the Face of Climate Chaos

A135-136

Session Block 1A: Greening Texas Cities for Community Resilience: Real World Interventions and Lessons Learned

(Ballroom A1-A2)

Session Description: This symposium introduces on-the-ground community greening strategies and methods. The panelists will highlight the importance of using a community-first lens to address resiliency, particularly in climate-vulnerable, disinvested communities with real-life experiences, successes, and lessons learned.

- **Community Greening Strategies and Implementation, Systems Approach, and Successes in Houston**
 - *Jaime Gonzalez*, The Nature Conservancy in Texas
- **TPL in Dallas, Engaging the Community, Case Study Intro: Five Mile Creek Plan, Parks, and Trails**
 - *Molly Plummer*, The Trust for Public Land
- **Partnerships to Enhance Community Resilience, Through Nature-Based Solutions**

- *Kathy Jack*, The Nature Conservancy, Texas
- *Fouad Jaber*, Texas A&M AgriLife
- **Design and Modeling for Best Green Infrastructure Solutions, from Site to Region**
 - *Fouad Jaber*, Texas A&M AgriLife

Session Block 1B: Climate Science Informing Decisions

(A114-116)

Session Description: This session will showcase relevant, credible, and legitimate weather and climate research across the region, beneficial in informing decisions regarding the many hazards we face in the south-central U.S.

- **The Future of Climate in the South Central United States**
 - *Adrienne Wootten*, South Central Climate Adaptation Science Center
- **Water, Heat, and Fire: Climate Extremes in the Southern Great Plains**
 - *Elinor Martin*, University of Oklahoma (OU)
 - *Ben Davis*, OU School of Meteorology
 - *Bryony Puxley*, OU School of Meteorology
 - *Melanie Schroers*, OU School of Meteorology
- **New Estimates of Extreme Rainfall Design Values for Texas**
 - *John Nielsen-Gammon*, Texas A&M University
 - *James Doss-Gollin*, Texas A&M University
 - *Yuchen Lu*, Texas A&M University
 - *William Baule*, Texas A&M University
- **Tropicalization of the Temperature Zone: Changes in Winter Temperatures**
 - *Derek Thompson*, Louisiana State University
 - *Vincent Brown*, Louisiana State University
- **Lengthening Hurricane Seasons with Earlier Storm Formation Dates: Lessons from 2020**
 - *Barry Keim*, Louisiana State University
 - *L.C. Hamilton*, Louisiana State University
 - *V.M. Brown*, Louisiana State University
 - *P.J. Klotzbach*, Louisiana State University
 - *A.B. Lewis*, Louisiana State University
 - *D.T. Thompson*, Louisiana State University
- **A Geospatial Analysis of the Inland Paths of Gulf of Mexico Hurricanes**
 - *Jordan Fazio*, Louisiana State University

Session Block 1C: Global Dilemma-local Solution: Transdisciplinary Approach to Addressing Urban Heat Islands (UHI)

(A118-119)

Session Description: This session includes presentations about actions that cities and a medical district are taking holistic in scope to address urban heat islands and increase resilience, followed by a panel discussion.

- **Texas Trees Southwestern Medical District (SWMD) Transformation Project**
 - *Lannie McClelen*, Texas Trees Foundation
 - *Sanjna Bhatia*, University of Texas Southwestern Medical School
- **Pediatrics Heat-Related Illness Project**
 - *Dr. Taylor Merritt*, University of Texas Southwestern, Children's Medical Center
- **Understanding Urban Heat and Air Quality Through Community Engagement**
 - *Sarah Terry-Cobo*, City of Oklahoma City
- **Urban Heat Island and Dallas' Climate Action Plan -**
 - *Maritza Figy*, City of Dallas;
 - *Freddie Ortiz*, City of Dallas

Session Block 1D: Forecast-Informed Reservoir Operations as a potential water management strategy in Texas

(A133-134)

Session Description: Join this panel, moderated by Nelun Fernando, to learn about the first Texas Reservoir Operations (FIRO) pilot project. FIRO is a powerful water management tool that can ensure a reliable supply for humans and the environment and has proven successful and cost-effective.

Symposium panelists:

- *Ron Ellis*, Texas Water Development Board
- *Denis Qualls*, City of Dallas
- *Jerry Cotter*, U.S. Army Corps of Engineers
- *Prof. Yu Zhang*, University of Texas at Arlington
- *Kris Lander*, National Weather Service
- *Howard Slobodin*, Trinity River Authority
- *Dr. Carla Guthrie*, Texas Water Development Board

Session Block 1E: Disaster Resilience: Frontline Wisdom, Social Capital, and Innovation in the Face of Climate Chaos

(A135-136)

Session Description: This session explores disaster recovery efforts, the role of frontline populations in inclusive disaster planning, and equitable hazard mitigation. Engaging in these conversations fosters a shared understanding of the complexities surrounding disaster resilience faced by marginalized populations. It provides the groundwork for collaborative and inclusive strategies in establishing informed and equitable solutions for climate challenges.

- **Inspiration To Action: A Journey of Community Preparedness**
 - *Arthur Johnson*, Center for Sustainable Engagement and Development
- **Assessing Non-Profit Response and Adaptation to Hurricane Harvey**
 - *Xochitl Hidalgo*, Southern Climate Impacts Planning Program, University of Oklahoma
 - *Mark Shafer*, Southern Climate Impacts Planning Program, University of Oklahoma
- **Seeking Higher Ground: Pedestrian Evacuation Planning for Vulnerable Populations**
 - *Melissa Beaudry*, Halff Associates
 - *Ashley Bennis*, Halff Associates
- **Leveraging Participatory Geographic Information System (PGIS) in Social Vulnerability Mapping for Equitable Hazard Mitigation: A Case Study on Beaumont-Port Arthur, Southeast Texas**
 - *Farzana Ahmed*, Texas A&M University
 - *Michelle Annette Meyer*, Texas A&M University
 - *Nathanael Rosenheim*, Texas A&M University
- **Revisiting Risk Perception: Social Capital and Heat Risk Perception in Urban Texas**
 - *Sandeep Paul*, University of Texas at Austin
 - *Kayee Zhou*, University of Texas at Austin
 - *Patrick Bixler*, University of Texas at Austin

KEYNOTE SPEAKER:

3:00 pm - 4:00 pm in Ballroom A1-A2

DR. KATHARINE HAYHOE



Dr. Katharine Hayhoe is a world-renowned atmospheric scientist leading the charge to understand and address climate change. As Chief Scientist for The Nature Conservancy, Paul Whitfield Horn Distinguished Professor, and Political Science Endowed Chair in Public Policy and Public Law at Texas Tech University, Dr. Hayhoe is at the forefront of climate research. Her work assesses the regional to local-scale impacts of climate change on human and natural environmental systems. Dr. Hayhoe's research includes analyzing observations, comparing future scenarios, evaluating global and regional climate models, building and assessing statistical downscaling models, and developing better ways of translating climate projections into information relevant to agriculture, ecosystems, energy, infrastructure, public health, and water resources.

Her work has led to over 125 peer-reviewed papers, abstracts, and other publications. In addition to her academic work, she's also a best-selling author of *Saving Us: A Climate Scientist's Case for Hope and Healing in a Divided World*. Dr. Hayhoe is also a sought-after public speaker on climate science, impacts, communication, and faith, and her TEDtalk, viewed over 4 million times, is just one example of her ability to communicate complex scientific concepts in an accessible way to everyone.

FROM SCIENCE TO ACTION

4:15 pm - 5:00 pm in Ballroom A1-A2

HAYHOE, NANCE, BOWMAN, & JOHNSON

After Dr. Hayhoe's keynote address, we will broaden the discussion and bring on panelists who can speak to the challenges and opportunities they face in educating, encouraging, and implementing climate action efforts. Panelists include Dr. Katharine Hayhoe; Dr. Earthea Nance, EPA's Region 6 Administrator; T.O. Bowman, Program Planner, City of Oklahoma City Office of Sustainability; and Arthur Johnson, Chief Executive Director, Lower 9th Ward Center for Sustainable

Engagement and Development. The panel will be moderated by Alejandra Martinez, Texas Tribune Environmental Reporter who has covered industrial pollution affecting disadvantaged communities, the effects of extreme heat on residents, indigenous communities restoring bison to the land and other environmental justice issues. Martinez will lead the group to explore resilience examples in the region and what keeps them hopeful to continue work in this space. Questions from the audience will be allowed as time permits.



DR. KATHARINE HAYHOE



DR. EARTHEA NANCE



T.O. BOWMAN



ARTHUR JOHNSON



ALEJANDRA MARTINEZ

RECEPTION

5:30 pm - 7:00 pm in Ballroom A1-A2

COME AND JOIN US AT THE RECEPTION TO CONNECT WITH OTHER ATTENDEES AND PROFESSIONALS WHO ARE WORKING TOWARDS BUILDING RESILIENCE IN THE REGION.

- ✦ Enjoy hors d'oeuvres and beverages (1 drink ticket included with registration).
- ✦ Don't miss out on this exciting opportunity to network and learn from your fellow peers.
- ✦ Even if you consider yourself an introvert, come out for a bit and experience the benefits of connecting with fellow attendees.

DAY 2: WEDNESDAY, APRIL 3

DAILY SCHEDULE

Time	Event	Location
8:00 am - 5:00 pm	Registration and Check-in	
8:00 am - 9:00 am	Networking Coffee	A Lobby
9:00 am - 10:00 am	Session Block 2	
10:00 am - 10:30 am	Networking Break	A Lobby
10:30 am - 12:00 pm	Session Block 3	
12:00 pm - 1:00 pm	Catered Networking Lunch	Ballroom A1-A2
1:00 pm - 2:30 pm	Workshop Block	
2:30 pm - 3:00 pm	Networking Break	A Lobby
3:00 pm - 4:30 pm	Session Block 4	
4:30 pm - 6:00 pm	Exhibitor Reception	Ballroom A1-A2

CONCURRENT SESSION BLOCK 2

9:00 am - 10:00 am

Session Block Table of Contents

Session Block 2A: Advancing Climate Resilience through Community Engagement in Rural Communities
Ballroom A1-A2

Session Block 2B: Adaptation in Action: Nature Based Solutions
A114-116

Session Block 2C: Innovative Investments in Resilience
A118 -119

Session Block 2D: Floodplain Protection and Restoration for Climate Resilience
A133-134

Session Block 2E: Green Stormwater Infrastructure for Flood Resilience and Hazard Mitigation
A135-136

Session Block 2A: Advancing Climate Resilience through Community Engagement in Rural Communities

(Ballroom A1-A2)

Session Description: The presentations will highlight the importance of recognizing rural communities' unique challenges in confronting climate change, equitable inclusion methods, capacity building, and adaptive strategies to strengthen rural communities against climate-related hazards and disasters.

- **Centering the Needs of Incarcerated Women in Evacuation Processes**
 - *Carlee Purdum*, Texas A&M University
 - *Benika Dixon*, Texas A&M University
 - *Jennifer Toon*, Lioness Justice Impacted Women's Alliance
 - *Marci Marie*, Lioness Justice Impacted Women's Alliance
- **Inclusive Evacuation Using Transit and Paratransit: Considerations for Rural Communities**
 - *Tara Goddard*, Texas A&M University

- **Resilience in Recovery? Understanding the Extent, Structure, and Operations of Nonprofits Meant to Address Disaster Survivors' Unmet Needs**
 - *Mason Alexander Hawk*, Texas A&M University
 - *Michelle A. Meyer*, Texas A&M University
- **Small Town and Rural Resilience: Building Networks and Strengthening Local Communities**
 - *Erika Koeniger*, Texas A&M University

Session Block 2B: Adaptation in Action: Nature Based Solutions

(A114-116)

Session Description: Acceptance and implementation of nature-based adaptation solutions still lag behind traditional "gray" infrastructure implementation, in part due to systemic and institutional barriers, as well as a lack of awareness. This session will highlight approaches that may aid in the implementation of nature-based solutions and discussions of the co-benefits of these features.

- **The Nature Based Solutions Explorer, a Tool for Planning and Assessing NBS Projects in Louisiana**
 - *Michele Cutrofello-Eddy*, RTI International
 - *Bryan Piazza*, The Nature Conservancy
- **Nature-based Infrastructure for Ecosystem Services Enhancements to Improve Health in Vulnerable Urban/Industrial Locations**
 - *Deborah January-Bevers*, Houston Wilderness
 - *Dr. Loren Hopkins*, Houston Health Department
- **Resilient Oyster Reef Restoration Design**
 - *Kathy Swezey*, The Nature Conservancy
- **Use of Nature-Based Solutions in the City of Fayetteville's Climate Action Plan**
 - *Leif Olsen*, City of Fayetteville
 - *Valerie Miller*, Olsson
 - *Eric Fuselier*, Olsson

Session Block 2C: Innovative Investments in Resilience

(A118-119)

Session Description: This mix of sessions highlights how collaboration and innovative approaches with under-resourced Tribal communities and diverse investments in coastal resilience can build resilience in our region through creative approaches to fund and finance insurance and disaster preparedness, including microinsurance and carbon credits.

- **Advancing Financial Protection for Low-Income Households from Disasters Through Cross-Sector Collaboration**
 - *Helen Wiley*, SBP
- **Investing in Texas Coastal Wetlands for Climate Mitigation and Community Resilience**
 - *Charlotte Nash*, The Nature Conservancy
- **Upper Barataria Terracing: A Component of the Multiple Lines of Defense Strategy for Louisiana's Barataria Landbridge**
 - *Ryan Fikes*, Freese and Nichols, Inc.
 - *Matthew Salmon*, Freese and Nichols, Inc.
- **Working with Tribes and Indigenous Peoples on Climate Adaptation in the South-Central U.S**
 - *Amelia Cook*, South Central Climate Adaptation Science Center (CASC) and Chickasaw Nation
 - *Jake Palazzi*, South Central CASC
 - *Yvette Wiley*, South Central CASC

Session Block 2D: Floodplain Protection and Restoration for Climate Resilience

(A133-134)

Session Description: Floodplains are among the most biodiverse, productive, and threatened ecosystems. They provide critical habitat, water quality, and flood mitigation benefits, yet floodplains across the country have been modified and converted at an unprecedented rate. This session will highlight innovative approaches and partnerships between scientists, practitioners, landowners, and policymakers that help solve the dual challenges of climate change and biodiversity loss through floodplain protection and restoration.

- **Floodplain Protection and Restoration in the Lower Mississippi River, Integrating Science, Conservation, and Partnerships to Solve the Dual Challenges of Climate Change and Biodiversity Loss**
 - *Bryan Piazza*, The Nature Conservancy
- **Market-based Approach for Floodplain Reforestation in the Lower Mississippi Alluvial Valley of Arkansas and Mississippi, and Louisiana**
 - *Jason Milks*, The Nature Conservancy
- **The Trinity Floodplain Prioritization Tool and Stakeholder Planning**
 - *Kathy Jack*, The Nature Conservancy
 - *Justin Kozak*, The Nature Conservancy
 - *Lynde Dodd*, USACE-ERDC

Session Block 2E: Green Stormwater Infrastructure for Flood Resilience and Hazard Mitigation

(A135-136)

Session Description: Urban landscapes are increasing flood challenges for communities in North Texas. Increased populations, precipitation, and impervious surfaces are outpacing stormwater infrastructure and exacerbating the problem. This session will feature several initiatives to support green stormwater infrastructure and other nature-based solutions to mitigate flooding in urban and urbanizing areas of the region, including through integrated and hazard planning asset management.

- **Green Stormwater Infrastructure for Flood Resilience and Hazard Mitigation**
 - *Fouad Jaber*, Texas A&M AgriLife Extension
 - *David Reazin*, U.S. EPA Region 6
- **Green Asset Management**
 - *Fouad Jaber*, Texas A&M AgriLife Extension
- **Transportation Stormwater Integration (TSI) Initiative**
 - *Jeffrey C. Neal*, North Central Texas Council of Governments
 - *Kate Zielke*, North Central Texas Council of Governments
 - *Jai-W. Hayes-Jackson*, North Central Texas Council of Governments
 - *Matthew Lepinski*, U.S. Army Corps of Engineers

CONCURRENT SESSION BLOCK 3

10:30 am - 12:00 pm

Session Block Table of Contents

Session Block 3A: The Fifth National Climate Assessment (2023)

Ballroom A1-A2

Session Block 3B: Mitigating Water Resource Challenges

A114-116

Session Block 3C: Can Resilience Hubs Save Us from Climate Disasters?

A118-119

Session Block 3D: Community Land Trusts and Communal Ownership: Strategies for Climate Adaptation without Displacement

A133-134

Session Block 3E: Using Technology, Science, and Multisectoral Collaborations to Address Climate Resilience and Adaptation

A135-136

Session Block 3A: The Fifth National Climate Assessment (2023)

(Ballroom A1-A2)

Session Description: This symposium overviews the Fifth National Climate Assessment (NCA5) and details themes of interest to the south-central. Authors from multiple chapters will present on chapter and answer questions from the audience. The session will be moderated by Dr. Reid Sherman, Climate Adaptation Lead for the U.S. Global Change Research Program (USGCRP). Presentations will focus on the following chapters: Overview, Climate Trends, Southern Great Plains, Southeast, and Human Health.

Presenters:

- *Reid Sherman*, U.S. Global Change Research Program
- *Renee McPherson*, South Central Climate Adaptation Science Center
- *Darrian Bertrand*, Southern Climate Impacts Planning Program, University of Oklahoma
- *Janey Camp*, Vanderbilt University

Session Block 3B: Mitigating Water Resource Challenges

(A114-116)

Session Description: Too much or too little water from weather and climate extremes and municipal demands negatively impacts communities in the south-central U.S. Join presenters in this session to learn about mitigation actions and tools that can increase resilience to water resource challenges relating to drought, flooding, and wildfires in the region.

- **Jumping the Shark? The Path Ahead for South Central U.S. Water Resources**
 - *Matthew Berg*, Simfero
- **Evaluating the Impacts of Potential Wastewater Reuse on Streams in the Red River Basin in Oklahoma**
 - *Jason Vogel*, University of Oklahoma
 - *Shadi Fathollahifard*, University of Oklahoma
 - *Shang Gao*, University of Oklahoma
 - *Thomas Neeson*, University of Oklahoma
 - *Hannah Mattes*, University of Oklahoma
 - *Grant Graves*, University of Oklahoma
 - *Richard Zamor*, University of Oklahoma
- **Rainwater Harvesting Partners Project**
 - *Jacob Shaffer*, U.S. Department of Agriculture
 - *Gesse Bullock*, Alabama-Coushatta Tribe of Texas
 - *Sheena Schemm*, Bureau of Indian Affairs
- **Representing Decision Dynamics of Incentives-Based Water Conservation in the Red River Basin through Participatory Cognitive Mapping**
 - *Madeline Wade*, University of Oklahoma
- **Drought Resilience Improvements in Altus, OK**
 - *John Barron*, City of Altus, OK
- **H&H Harmonization: Keys to Effective Watershed Modeling and Calibration**
 - *Jim Keith*, Freese and Nichols, Inc.
 - *Bethany Fleitman*, Freese and Nichols, Inc.
 - *Billy Williamson*, Louisiana Department of Transportation & Development

Session Block 3C: Can Resilience Hubs Save Us from Climate Disasters?

(A118-119)

Session Description: Resilience Hubs are an emerging and collaborative way for local governments to support physical and social resilience in low-income and historically marginalized communities that disproportionately face worse impacts from extreme weather events, power outages, and grid failure. Resilience Hubs are well-trusted, community-serving facilities augmented to support residents, coordinate communication, distribute resources, and provide access to safe and reliable clean power. Community resilience hubs are an innovative approach to support adaptation and resilience before, during, and after disasters. This session will share the different stages of resilience hub development currently happening through guidance from community groups. Through a presentation of lessons learned and interactive conversations, you will work through how to engage and co-create these approaches with the communities they serve.

Presenters:

- *Lisa Lin*, Harris County Office of County Administration
- *Kate Jaceldo*, San Antonio
- *Marc Coudert*, City of Austin
- *Carlos Evans*, City of Dallas

Session Block 3D: Community Land Trusts and Communal Ownership: Strategies for Climate Adaptation Without Displacement

(A133-134)

Session Description: This symposium brings together a law and policy perspective on communal land ownership models with locally driven examples from across the Southeast and beyond. Speakers will share recent and historic examples of the use of Community Land Trusts, and other communal ownership models, as a tool to prevent displacement and promote resilience. Speakers will also discuss some of the legal and regulatory challenges, common impediments, and pitfalls.

Presenters:

- *Alessandra Jerolleman*, Loyola University New Orleans College of Law
- *Sarah Barger*, Kīpuka Kuleana

- *Noah Patton*, National Low Income Housing Coalition
- *Kristina Peterson*, Lowlander Center
- *Carrie Tully*, Dishgamu Humboldt Land Trust

Session Block 3E: Using Technology, Science, and Multisectoral Collaborations to Address Climate Resilience and Adaptation

(A135-136)

Session Description: This One Health symposium will focus on climate resilience and adaptation, highlighting the natural elements most impacted by climate change in the South Central region. Participants will showcase innovative tools and methods to mitigate the effects of climate change in urban settings, such as multiple-scale sensing, bird acoustics, air quality monitoring, and urban farm practices.

- **Multi-Scale Multi-Use Smart Sensing in Service of Society**
 - *David Lary*, University of Texas at Dallas
- **Integrating Urban Regenerative Farming and Data Science for Climate Resilience in South Dallas**
 - *Shalini Prasad*, University of Texas at Dallas
 - *Brad Boa*, Restorative Farms
- **The Power of Partnerships Towards Multi-Sector Collaboration**
 - *Susan Alvarez*, North Central Texas Council of Governments

CONCURRENT WORKSHOP BLOCK

1:00 pm - 2:30 pm

Session Block Table of Contents

Workshop 1: Securing Federal Grants for Equitable, Resilient Places: Learn, Strategize, and Collaborate
Ballroom A1-A2

Workshop 2: Youth Engagement and Climate Justice Workshop
A114-116

Workshop 3: Open Discussion with the Authors of the Southern Great Plains Chapter of NCA5
A118-119

Workshop 4: InFRM: Strengthening Resilience Through Widely Available High Resolution Flood Risk Information
A133-134

Workshop 5: Bridging Perspectives: Communicating Among Diverse Stakeholders in Climate Action
A135-136

Workshop 1: Securing Federal Grants for Equitable, Resilient Places: Learn, Strategize, and Collaborate (Workshop)

(Ballroom A1-A2)

Description: Join the City of Austin's Office of Sustainability and AECOM's Climate Advisory Services for a workshop that highlights ways to leveraging federal funding opportunities for climate resilience. Gain insights into upcoming federal grant opportunities, strategies for prioritizing grants and building partnerships, and key elements of a funding-ready proposal. Learn about equity considerations and Justice 40 requirements for a grant proposal and practice identifying funding-ready proposals within your community.

Presenters:

- Rohan Lilauwala, City of Austin
- Revathi Veriah, AECOM
- Grace Rink, AECOM

Workshop 2: Youth Engagement and Climate Justice Workshop

(A114-116)

Description: Engaging young people is crucial for creating a sustainable and equitable future. This interactive workshop will consist of two youth-focused, hands-on activities presented by four experts in the field. With this session, participants will learn about different youth engagement tools and facilitation strategies, engage in activities that promote youth education, resiliency, leadership, and self-determination, and contribute to dialogue for transformative and intersectional practices that equip youth in creating a sustainable and equitable future.

Presenters:

- Cassandra Jean, Adaptation International
- Celine Rendon, Adaptation International
- Alexia Leclercq, Start: Empowerment
- Jasmine Butler, Start: Empowerment

Workshop 3: Open Discussion with the Authors of the Southern Great Plains Chapter of NCA5

(A118-119)

Description: The Southern Great Plains region, covering Kansas, Oklahoma, and Texas, faces unprecedented challenges due to increasing climate extremes. The authors of the Southern Great Plains chapter of the 5th National Climate Assessment are collaborating with workshop participants to spread the message of NCA5. Their goal is to integrate the ideas from NCA5 into local planning processes and achieve a more sustainable future for the region.

Presenters:

- Renee McPherson, University of Oklahoma
- Reid Sherman, USGCRP
- April Taylor, Texas Sea Grant
- Susan Alvarez, North Central Texas Council of Governments
- Sascha Petersen, Adaptation International
- Ali Fares, Prairie View A&M University
- Bee Moorhead, Texas Impact Foundation
- Nick Smith, Texas Tech University
- Darrian Bertrand, University of Oklahoma

Workshop 4: InFRM: Strengthening Resilience Through Widely Available High Resolution Flood Risk Information

(A133-134)

Description: The Interagency Flood Risk Management (InFRM) team, comprised of FEMA, USACE, NWS, and USGS, is working to determine the needs of communities, define solutions, and implement measures to reduce long-term flood risk throughout Arkansas, Louisiana, New Mexico, Oklahoma, and Texas. They provide flood information and emergency response through the Flood Decision Support Toolbox (FDST) and high-resolution, regional flood risk modeling in the estimated Base Flood Elevation (estBFE) Viewer. The InFRM workshop aims to examine the current role of these tools in reducing climate risk and increasing understanding. They also seek to integrate socioeconomic data to promote equitable access to flood risk data. Their goal is to inform policy and increase food resilience in the south-central region.

Presenters:

- *Kathryn Powlen*, U.S. Geological Survey, Oklahoma-Texas Water Science Center
- *Sam Wallace*, USGS - Texas Water Science Center
- *Erik Smith*, USGS - Texas Water Science Center

Workshop 5: Bridging Perspectives: Communicating Among Diverse Stakeholders in Climate Action

(A135-136)

Description: Join our workshop to learn outreach, engagement, and listening strategies for diverse stakeholders in climate action. We'll cultivate inclusive dialogue, encourage understanding, co-create initiatives, and build consensus strategies. You'll leave with communication skills, strategies for engagement, and an understanding of diverse stakeholder needs.

Presenters:

- *Nancy Salisbury*, St. Edward's University
- *Sylvie Guillon*, ADelta Impact

CONCURRENT SESSION BLOCK 4

3:00 pm - 4:30 pm

Session Block Table of Contents

Session Block 4A: Resilient Infrastructure
Ballroom A1-A2

Session Block 4B: The Power and Potential of NBS for Flood Mitigation – Stories of Success
A114-116

Session Block 4C: Texas Cities Are Too Damn Hot. What Can We Do About It?
A118-119

Session Block 4D: Environmental Justice, Effective Storytelling, and Innovative Solutions
A133-134

Session Block 4E: Enhancing Community Resilience by Strengthening "Town/Gown" Relationships: The UT-City of Austin Climate Co-Laboratory
A135-136

Session Block 4A: Resilient Infrastructure

(Ballroom A1-A2)

Session Description: Developing climate-resilient infrastructure is a critical issue facing municipalities today. Local governments experiencing impacts from extreme heat, precipitation variability, sea level rise, and other natural disasters are working to implement innovative solutions that span from small-scale building retrofits to large-scale levees and sea walls. Although often faced with common challenges such as political will and funding, local governments are actively prioritizing efforts that enhance community resilience. Participants in this session will share their successes and challenges related to the planning, design, and implementation of resilient infrastructure projects.

- **Climate Uncertainty And Charting A Path To Resilient Infrastructure**
 - *Paul Robinson, Jacobs*
- **The Southern Plains Transportation Center: Improving Transportation Infrastructure to Face Climate Change**
 - *Royce Floyd, University of Oklahoma*
 - *Musharraf Zaman, Southern Plains Transportation Center, University of Oklahoma*
- **Empowering Coastal Resilience: Integrating Solar Energy Systems in the Face of Climate Challenges**
 - *Aly Mousaad Aly, Louisiana State University*
- **Evaluating Future Stormwater Risk in New Orleans**
 - *Jordan Fischbach, The Water Institute*
 - *Nastaran Tebyanian, The Water Institute*
 - *Patrick Kane, The Water Institute*
 - *Colleen McHugh, The Water Institute*
 - *Allison DeJong, The Water Institute*
 - *Abby Littman, The Water Institute*
 - *Daniel Gilles, Iowa Flood Center*
 - *Nans Voron, SCAPE*
- **A Review of Utilities' Perspectives on Resilience and Long-Term Planning**
 - *Sarah Reynolds, The University of Texas at Austin*
 - *Yael R. Glazer, The University of Texas at Austin*
 - *Konstantinos Oikonomou, Pacific Northwest National Laboratory*
 - *Juliet Homer, Pacific Northwest National Laboratory*
 - *Michael E. Webber, The University of Texas at Austin*

Session Block 4B: The Power and Potential of NBS for Flood Mitigation – Stories of Success

(A114-116)

Session Description: Nature-Based Solutions (NBS) use natural features to build resilience, improve water quality, and enhance the quality of life. However, implementing NBS can be challenging. The Texas Water Development Board is developing an NBS Guidance Manual for Flood Mitigation to help communities overcome these challenges. Join us at a symposium to hear from successful stakeholders and learn how to utilize NBS. The goal is to provide targeted guidance for Texas communities to better understand and use NBS.

Presenters:

- *Kelley Rich*, Texas Water Development Board
- *Panelists* – Representatives from Harris County Flood Control District, North Central Texas Council of Governments, San Antonio River Authority, and Texas Water Development Board

Session Block 4C: Texas Cities Are Too Damn Hot. What Can We Do About It?

(A118-119)

Session Description: Heat waves are more deadly than all other natural disasters combined. With climate change, they are becoming more frequent, longer, and more intense. The risk is intensified by social and environmental factors that impact our communities. Municipalities struggle to identify, implement, and measure adaptation projects that mitigate heat while ensuring equity. Learn from San Antonio, Austin, El Paso, and Harris County about innovative strategies to mitigate the effects of extreme heat in communities of color.

Presenters:

- *Marc Coudert*, City Austin, Office of Resilience
- *Doug Melnick*, City of San Antonio
- *Lisa Lin*, Harris County
- *Fernando Berjano*, City of El Paso

Session Block 4D: Environmental Justice, Effective Storytelling, and Innovative Solutions

(A133-134)

Session Description: Recognizing the intersection of environmental justice, disaster recovery, and climate adaptation is crucial for equitable and resilient solutions. This session covers key issues, including collaborative and equitable strategies, funding for resilience, and redefining inclusivity in adaptation practices. It also explores effective storytelling methods, hazardous waste treatment, and multidisciplinary collaborations for renewable energy. Integrating these dimensions makes recovery and adaptation equitable, sustainable, and resilient.

- **Expanding the Definition of Climate Adaptation for More Equitable Outcomes**
 - *Renee Collini*, The Water Institute
 - *Laura Talbert*, Gulf Center for Equitable Climate Resilience
- **Mayah's Lot: Comic Books, Youth Empowerment, and Environmental Justice**
 - *Rebecca Bratspies*, Center for Urban Environmental Reform
 - *Charlie LaGreca Velasco*, Center for Urban Environmental Reform
- **Mitigating the Disproportionate impacts of Disasters**
 - *Shontae Davis*, FEMA
- **TNC's North America Renewable Energy Strategy: A "3C" Approach for Climate, Conservation & Community**
 - *Ben Postlethwait*, The Nature Conservancy
- **Exploring the Presence of Environmentally Persistent Free Radical Related to Open-Burn Waste Treatment**
 - *Myron Lard*, Louisiana State University
 - *Robert Cook*, Louisiana State University
 - *Chuji Guo*, North Carolina State University
 - *Jennifer Richmond-Bryant*, North Carolina State University

Session Block 4E: Enhancing Community Resilience by Strengthening "Town/Gown" Relationships: The UT-City of Austin Climate Co-Laboratory

(A135-136)

Session Description: The UT-City of Austin Climate Co-Lab is the very first city-specific climate collaborative in the world. Established through a partnership between UT and the City of Austin, the Co-Lab's mission is to produce climate information, data, and tools tailored for Austin - enhancing policy, governance, funding, and education. This symposium will focus on various dimensions of the Co-Lab, including a new climate assessment for the City of Austin identifying trends, patterns, changes and event summaries plus future projections; Decision Calendars that document what climate information is needed, who needs it, and when and how the information will be used; Policy Briefs that connect climate data to local policy; and Synthesis Studies such as cool pavement projects and climate hot spots. The panel will address historical challenges between the Town/Gown relationships and how new models of "co-production" are the basis for a new kind of town/gown relationship.

Presenters:

- *Patrick Bixler, University of Texas at Austin*
- *Dev Niyogi, University of Texas at Austin*
- *Alyssa Dallman, University of Texas at Austin*
- *Trevor Brooks, University of Texas at Austin*
- *Marc Coudert, City of Austin*

EXHIBITOR RECEPTION

4:30 pm - 6:00 pm in Ballroom A1-A2

JOIN US IN THE BALLROOM TO EXPLORE EXHIBITOR BOOTHS AND ENGAGE WITH THEIR REPRESENTATIVES.

- ◆ Meet the SCCRF sponsors/exhibitors
- ◆ Browse the exhibitor booths to learn more about their organization and resilience work
- ◆ Network with attendees

DAY 3: THURSDAY, APRIL 4

DAILY SCHEDULE

Time	Event	Location
8:00 am - 12:00 pm	Registration and Check-in	
8:00 am - 9:00 am	Networking Coffee	A Lobby
9:00 am - 10:30 am	Session Block 5	
10:30 am - 11:00 am	Networking Break	A Lobby
11:00 am - 12:00 pm	Closing Session	Ballroom A1-A2
12:00 pm - 1:00 pm	Independent Lunch	
1:00 pm - 5:00 pm	Optional Field Trips, Side Meetings	
1:00 pm - 5:00 pm	North Texas Climate Symposium	Ballroom A1-A2

CONCURRENT SESSION BLOCK 5

9:00 am - 10:30 am

Session Block Table of Contents

Session Block 5A: Climate-Informed Planning: Examples and Lessons Learned
Ballroom A1-A2

Session Block 5B: Saving Cities, Saving Societies: A Guide to Thrive
A114-116

Session Block 5C: Using Climate Model Projections in Future Planning: A Real-World Management Activity (Workshop)
A118-119

Session Block 5D: Empowering Frontline Clinics: Climate Resilience Toolkit and Clinic Integration into Community Heat Plans (Workshop)
A133-134

Session Block 5E: U.S. Climate Vulnerability Index Tool 101 - Centering Equity in Climate Action (Workshop)
A135-136

Session Block 5A: Climate-Informed Planning: Examples and Lessons Learned

(Ballroom A1-A2)

Session Description: Communities and businesses in the south-central U.S. are creating climate resilience, adaptation, and sustainability plans to reduce their weather- and climate-related risks and impacts. However, it can be a challenging process. In this session, presenters will share examples of these plans and the lessons they learned along the way. Barriers to incorporating climate information into planning processes, as well as solutions and tools to mitigate these barriers will also be presented.

- **Developing Solutions to Climate Planning Challenges Across the Region**
 - *Rachel Riley*, Southern Climate Impacts Planning Program, University of Oklahoma (OU)
 - *Darrian Bertrand*, Southern Climate Impacts Planning Program, OU

- **Lessons Learned from TxDOT's First Statewide Resiliency Plan**
 - *Diana Edwards*, AECOM
 - *Shirley Li*, Texas Department of Transportation
- **Developing a Climate Resilient Sustainability Plan that Provides Business Direction**
 - *Kate Howe*, Weaver Consultants Group
- **Climate Risks Assessments for Commercial Real Estate**
 - *David Rubin*, AEI Consultants
- **The Simple Planning Tool for Climate Hazards**
 - *Darrian Bertrand*, Southern Climate Impacts Planning Program, OU
- **Sustainability and Climate Action Plan for Institutions of Higher Education (IHE)**
 - *Meghna Tare*, University of Texas at Arlington

Session Block 5B: Saving Cities, Saving Societies: A Guide to Thrive

(A114-116)

Session Description: This session explores how to apply concepts from the Guide to Thrive to the local urban fabric. Designing only to sustain what we have is not enough to help societies thrive in the climate crisis. Communities in urban zones need resources to be self-reliant during crisis and preserve their culture and environment. As architects, we must challenge societal norms and limitations and usher in a renewed age of design based on intention and performance.

Presenters:

- *Samantha Johnson*, NANO Architecture Interiors
- *Terri Hogan Dreyer*, NANO Architecture Interiors
- *Ian Dreyer*, NANO Architecture Interiors

Session Block 5C: Using Climate Model Projections in Future Planning: A Real-World Management Activity (Workshop)

(A118-119)

Session Description: Effective climate adaptation and resilience planning often requires the use of model-based future climate projections to make well-founded management decisions. However, practitioners often struggle with interpreting the myriad of climate projections available. This training will walk participants through the process of working with the climate projections needed to make a climate-informed decision. Our team will provide a brief overview of climate model projections and then facilitate a hands-on activity in small breakout groups using a real-world situation. Climate scientists will answer questions participants may have about the climate projections as they work through the activity. Also, attendees will be encouraged to share insights from their experiences and ask questions related to any challenges they currently face. Attendees will leave the training feeling more confident in their ability to interpret climate projections and will learn about resources available to help them in future planning efforts.

Presenters:

- *Derek Rosendahl*, South Central Climate Adaptation Science Center (CASC)
- *Adrienne Wootten*, South Central CASC
- *Renee McPherson*, South Central CASC
- *Dolly Na-Yemeh*, South Central CASC

Session Block 5D: Empowering Frontline Clinics: Climate Resilience Toolkit and Clinic Integration into Community Heat Plans

(A133-134)

Session Description: Join our workshop on adapting to climate change in healthcare settings. We will review the AmeriCares and Harvard C-CHANGE Climate Resilience toolkit for community health centers and clinics. Learn about the co-development of a clinic-focused climate and health action plan and a broader vision for health system resilience.

Presenters:

- *Nathaniel Matthews-Trigg*, AmeriCares

Session Block 5E: U.S. Climate Vulnerability Index Tool 101 - Centering Equity in Climate Action (Workshop)

(A135-136)

Session Description: Join us for the U.S. Climate Vulnerability Index Tool 101 session to learn about a new tool that helps communities prioritize climate equity. This tool uses 184 sets of data to rank over 70,000 U.S. Census tracts showing which communities face the greatest challenges from climate change. You will learn about the tool's creation and hear case studies that demonstrate how it has been used to encourage equity in policy-making. You will also receive a short training on how to navigate the CVI website and an interactive session to explore the tool's data for your own community.

Presenters:

- *Molly Ellsworth*, The Environmental Defense Fund

CLOSING SESSION

11:00 am - 12:00 pm in Ballroom A1-A2

DESIGNING MEANINGFUL CLIMATE ENGAGEMENT FOR DIVERSE AUDIENCES & CLOSING REMARKS

Join us for this closing session as representatives from City of San Antonio, City of Austin, and Harris County, TX, discuss how to communicate climate change and resilience with communities to inspire change and implement action. Stick around for the end of the session, where we will close the Forum and highlight takeaways from attendees.

Speakers:

- *Kate Jaceldo*, City of San Antonio - Office of Sustainability
- *Marc Coudert*, City of Austin
- *Lisa Lin*, Harris County

NORTH TEXAS CLIMATE

1:00 pm - 5:00 pm in Ballroom A1-A2

SYMPOSIUM:

Started in 2018, the North Texas Climate Symposium brings together regional stakeholders from government, academia, and industry for discussion and presentations. The purpose of the symposium is to educate and bring awareness to the impacts of climate change in North Texas and discuss how we, as North Texans, can address and mitigate those impacts. The City of Dallas is hosting its 7th annual North Texas Climate Symposium, organizing panels catered toward the business community, in support of our partnership with the [City Business Climate Alliance](#).

1:00 - 1:10 pm	Welcome / Introduction
1:10 - 2:15 pm	Making Dallas a Great Place to Live, Work, Play
2:15 - 2:25 pm	Break
2:25 - 3:30 pm	Climate Initiatives & Opportunities
3:30 - 3:40 pm	Break
3:40 - 4:45 pm	Electric Vehicle Infrastructure Initiatives
4:45 - 5:00 pm	Closing Remarks



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SOUTHERN CLIMATE IMPACTS PLANNING PROGRAM

A National Oceanic and Atmospheric Administration (NOAA) Climate Adaptation Partnerships (CAP) Team

The Southern Climate Impacts Planning Program (SCIPP) assists organizations with decision making that builds resilience by collaboratively producing research, tools, and knowledge that reduce weather and climate risks and impacts across the South-Central United States.

Current Research Themes



Climate Informed Planning

Learning how to incorporate climate information effectively into long-term municipal, county, and state plans.



Developing Governance & Collaborative Capacity

Investigating the financial and policy levers that municipalities and counties can use to build resilience to climate impacts.



Extreme Events in a Changing Climate

Understanding trends in the frequency and intensity of extreme events, with a significant focus on precipitation.



Climate Justice

Learning how the voices of all community members can be represented in policies and activities taken to lessen the impacts of climate events.

Stakeholders

- Emergency Managers
- Planners
- Community Leaders
- Non-Profits
- Private Sector
- State, City, and Local Officials

SCIPP Region



More Information



Website: southernclimate.org



X (Twitter): @SCIPP_CAP



Facebook/LinkedIn: Southern Climate Impacts Planning Program

From the coast to the mountains,
cities to rural communities,
we build resilience together.



adaptation
international

we believe...

We believe that now is the time to take action to build climate resilience.

We believe that working collaboratively gets the most meaningful results.

We believe that empowering community ownership of the process is critical to developing effective and equitable adaptation solutions.

OUR SERVICES

Adaptation and Resilience Planning

Community Engagement



Climate Communications

Aerial Imagery, Mapping, & Analysis



Workshop Development

Vulnerability Assessments



For more information,
contact Sascha Petersen
sascha@adaptationinternational.com

**Adaptation International
believes in empowering
communities to proactively
address the challenges posed by
a changing climate.**

AUSTIN

CAPITOL OF TEXAS

A black and white historical photograph of two men in suits and hats. One man is wearing a bowler hat and the other a fedora. They appear to be in a professional setting, possibly a construction site or office, with one man pointing towards something off-camera.

CELEBRATING

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- Climate Adaptation Planning
- GIS Analysis
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- Grant Funding
- Vulnerability Assessments

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Planet Texas 2050 is a research grand challenge at the University of Texas at Austin.

Our mission is to advance interdisciplinary research on climate resilience and to co-design adaptive strategies with frontline communities and other partners across Texas

Learn more about our researchers and projects at our website: planetexas2050.utexas.edu

PLANET TEXAS 2050

Resilience Research at UT Austin



Communication Solutions To Advance Climate Action



ADeltaImpact.com



strategic communications where expertise is essential



Southern Plains Climate Hub
U.S. DEPARTMENT OF AGRICULTURE



Working collaboratively to develop science that addresses climate impacts on natural and human communities.



- » Education & Training
- » Tribal Engagement
- » Technical Assistance
- » Funding Actionable Science
- » Climate Projections & Downscaling



SPONSORSHIP DIRECTORY

SIGNATURE

City of Dallas

Contact: Carlos Evans. carlos.evans@dallas.gov

The City of Dallas is committed to a resilient and equitable future. Initiatives like Resilient Dallas in 2018 aim to build community resilience against social, economic, and environmental pressures. Additionally, the 2020 Comprehensive Environmental and Climate Action Plan targets reduced emissions, climate preparedness, and environmental justice. In 2022, the City enacted the Racial Equity Plan to address disparities in climate resilience and environmental justice.

Southern Climate Impacts Planning Program

Contact: Caylah Cruickshank, caylahc@ou.edu

The Southern Climate Impacts Planning Program (SCIPP) is one of several NOAA Climate Adaptation Partnerships (formerly RISA) teams across the U.S. Founded in 2008, SCIPP works closely with practitioners and researchers across the region to investigate changing climatic conditions, understand needs in planning and implementation processes, facilitate information exchange, and produce knowledge that can help address these challenges. Our interdisciplinary team has a diverse range of expertise and collaborates with several organizations and agencies.

PLATINUM

Adaptation International

Contact: Sascha Petersen,
sascha@adaptationinternational.com

Since 2010, Adaptation International has partnered with communities, Tribes, and governments to build climate resilience. Our innovative, localized approach prioritizes community engagement, involving key stakeholders from the start. This collaborative method produces detailed assessments of assets, resources, and climate risks, leading to tailored resilience strategies. Recognizing unique community needs, we leverage our trusted network of collaborators to design effective and equitable solutions that help communities adapt and thrive.

GOLD

City of Austin

Contact: Marc Coudert,
marc.coudert@austintexas.gov

Austin, Texas, nestled in the American Southwest, serves as the Lone Star State's vibrant capital and the renowned Live Music Capital of the World. Since its founding in 1840, Austin has burgeoned into a dynamic city of one million residents, featuring top-tier companies, scenic outdoor locales, prestigious universities, and globally acclaimed cuisine. Discover more about Austin's allure at AustinTexas.gov.

Freese and Nichols

Contact: Amanda Griffin, ang@freese.com

Freese and Nichols is dedicated to crafting livable communities through practical and innovative infrastructure solutions. With 130 years of expertise, we offer stability as a trusted advisor, addressing contemporary challenges like climate adaptation. Our commitment to environmental sustainability guides our work, supporting clients in their stewardship goals.

Gresham and Smith

Contact: Lauren Seydewitz,
lauren.seydewitz@greshamsmith.com

Gresham Smith provides creative solutions through a well-rounded service offering that considers the entire landscape of any project. Composed of diligent designers, insightful planners and seasoned collaborators, we specialize in solutions for life's most essential infrastructure and institutions.

SILVER

ADelta Impact

Contact: Nancy Salisbury, PhDa,
nancyrs@stedwards.edu

ADelta Impact builds your sustainability communication strategy by clearly targeting all your key stakeholders. Whether you want to communicate with your customers, employees, investors, or suppliers, we help you enhance your brand reputation. Our process adapts your communication to your sustainability journey - from emerging climate action plans to high-level ideas, strategy definition, and innovation.

The Nature Conservancy

Contact: Kathy Jack, kathy.jack@tnc.org

Founded in the U.S. through grassroots action in 1951, TNC has grown to become one of the most effective and wide-reaching environmental organizations in the world. Thanks to more than a million members and the dedicated efforts of our diverse staff and over 400 scientists, we impact conservation in 79 countries and territories.

Cooksey Communications

Contact: Anna Clark, anna.clark@cookseypr.com

Cooksey Communications is an award-winning Texas-based, strategic communications firm serving clients in (1) Professional Services, (2) the Public Sector, including governmental entities, educational institutions, planning and advocacy groups dealing with critical infrastructure issues such as transportation, water supply, flooding and energy; (3) Real Estate & Development; and (4) Sustainability initiatives to enhance competitiveness and resilience.

Halff Associates

Contact: Sam Hinojosa, shinojosa@halff.com

Halff is the engineering firm designed, engineered, planned, constructed — and purposed — for people. Since 1950, we've been creating smart solutions that improve lives and communities by turning ideas into reality. Our industry-leading professionals collaborate to meet tough challenges in creative ways while keeping projects on schedule and on budget— all for one purpose: our clients' success. Visit us at halff.com to learn more about our people and services.

Planet Texas 2050

Contact: Heidi Schmalbach,
Heidi.schmalbach@austin.utexas.edu

Planet Texas 2050 is a research grand challenge at the University of Texas at Austin focused on climate and community resilience. PT2050's research teams—which include architects, archaeologists, city planners, public health experts, geologists, engineers, biologists, computer scientists, artists and many communitybased partners—are working together to co-design solutions that will make our communities stronger, more resilient, and better prepared for current and future -

BRONZE**USDA Southern Plains Climate Hub**

Contact: Susan Eisenhour,
csusan.eisenhour@usda.gov

Our team works closely with partners and stakeholders in Kansas, Oklahoma, and Texas to provide science-based weather and climate information needed to reduce agricultural risk and build resilience. We synthesize, translate, and communicate new scientific advances to agricultural and natural resource audiences in our region. We engage ag. managers and landowners through outreach events and share new climate-based educational resources for both students and professionals.

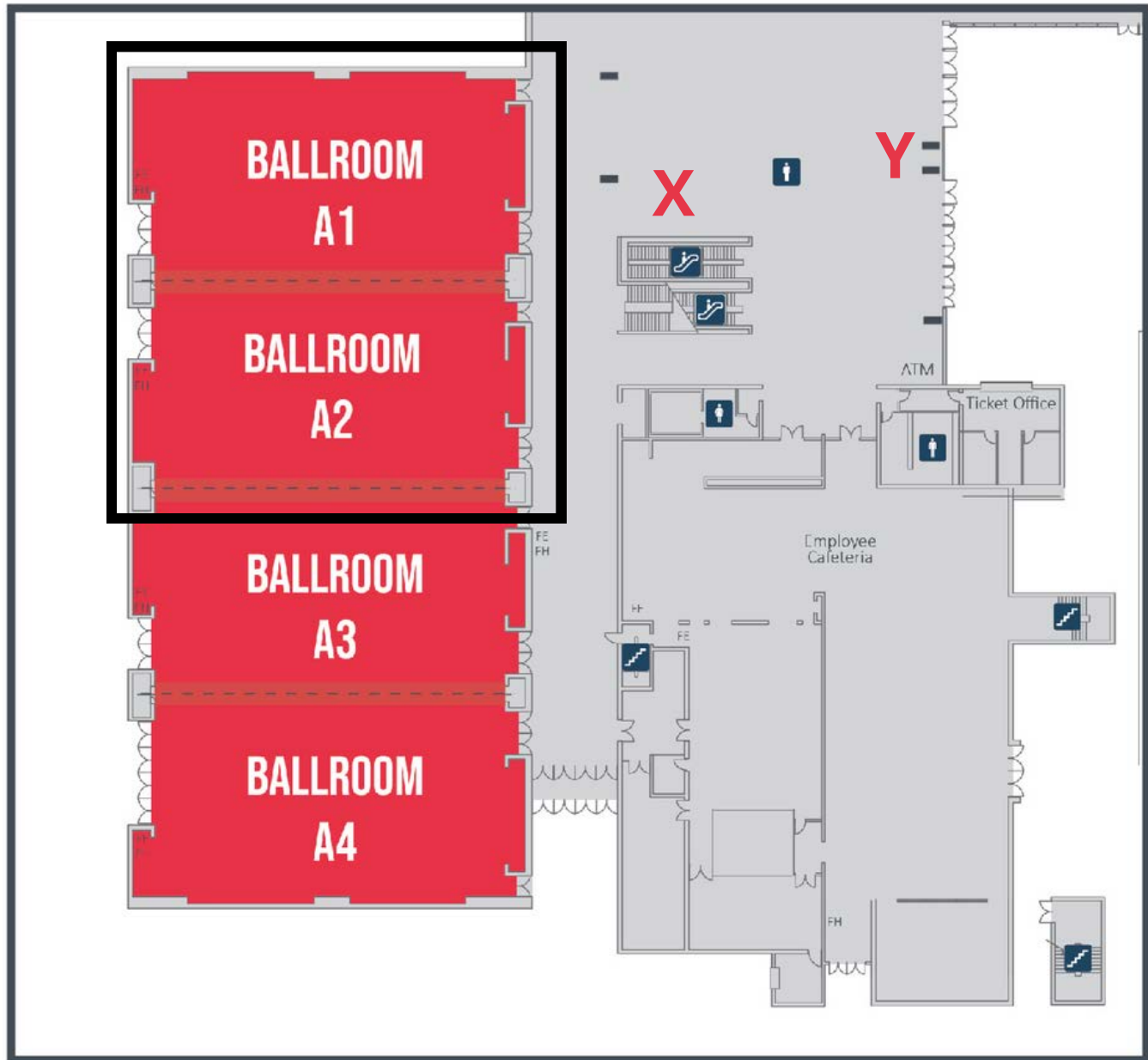
South Central Climate Adaptation Science Center

Contact: Jenifer Henslee Peck,
info@southcentralclimate.org

The South Central Climate Science Adaptation Center (SC CASC) works in partnership with scientists, natural and cultural resource managers, and local communities to provide decision-makers with scientific information, tools and solutions to address the impacts of climate variability and change. Our mission is to help fish, wildlife, water, land, and people adapt to a changing climate in the south-central United States. We aim to transform the way climate science is conducted and applied to ensure a sustainable future for all.

FORUM RESOURCES & FLOOR PLAN

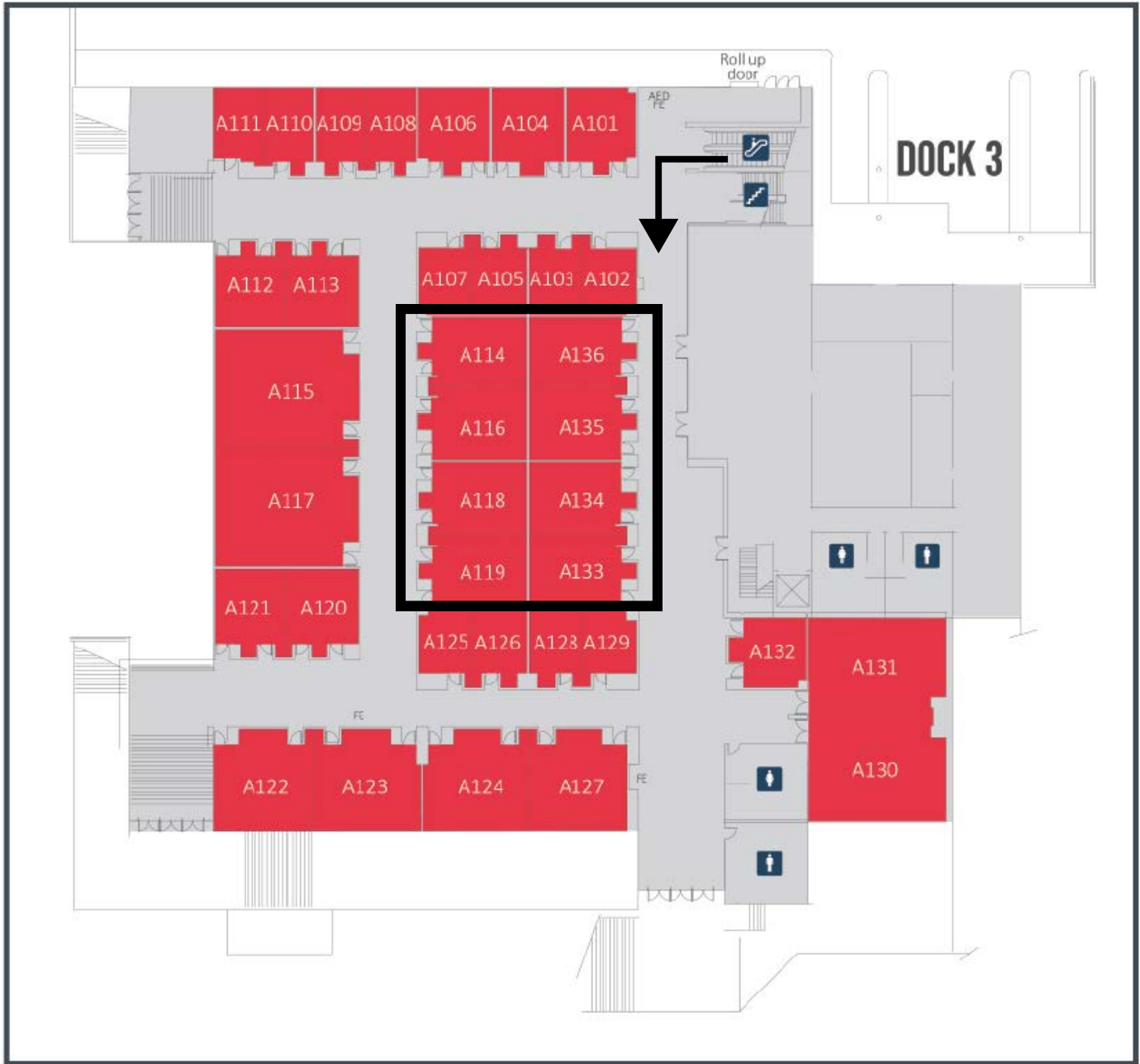
A BALLROOM FLOOR PLAN

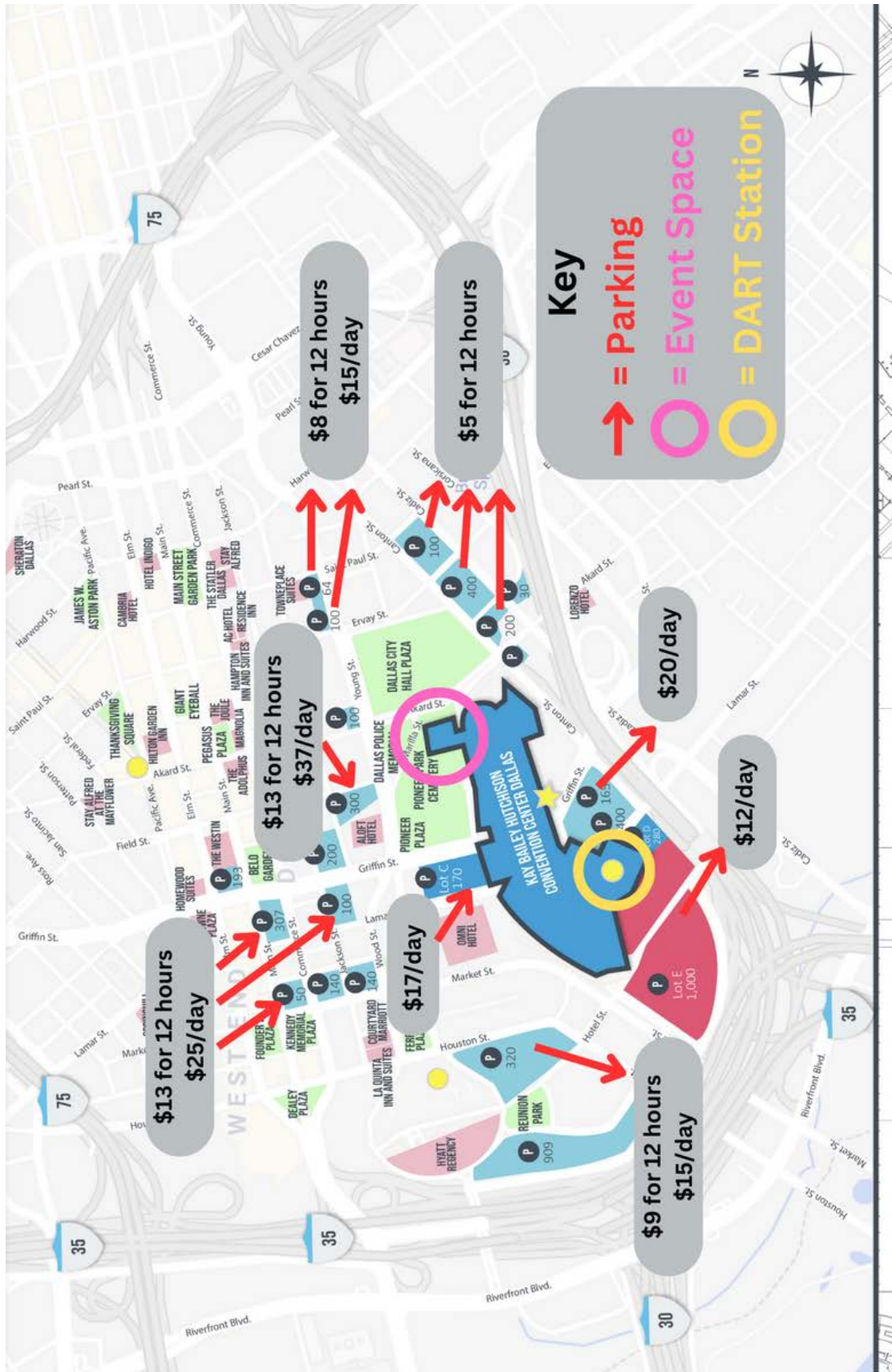


X: If you walk in the main entrance on the ground level, you will turn left and then go up the escalators. They will bring you here.

Y: If you enter from the entrance off of Akard St. (up the stairs outside), you will come in here.

A100 MEETING ROOMS FLOOR PLAN





KBHCCD PARKING MAP

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- KEY:**
- ★ Parking Garage Entrance
 - Convention Center Parking
 - Parking Entrance
 - Marshaling Yard
 - Public Parking
 - Hotels
 - Dart Rail Stations
 - Ground Level Parking
 - Parks and Plazas

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