

→ WELCOME TO

*Tidally United
Summit 2022*

HOSTED BY THE WATER SCHOOL AT FGCU



August 12th, 2022



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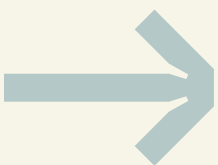
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Tidally United Summit 2022

PROGRAM



2022 SCHEDULE AT GLANCE

8:30 am - 9:00 am: Registration

9:00 am - 9:30 am: Welcome by Dr. Tolley

9:30 am - 11:00 am: Seminole Tribe of Florida Heritage and
Environment Resources Office Keynote Panel

11:00 am - 11:15 am: Discussion

11:15 - 12:00 pm: Presentations

12:00 pm - 12:10 pm: Discussion

12:10 pm - 1:25 pm: Lunch (provided by The Water School)

1:25 pm - 3:00 pm: Presentations

3:00 pm - 3:15 pm: Discussion

3:15 pm - 4:15 pm: Roundtable Discussions

4:15 pm - 4:45 pm: Closing remarks

WELCOME



After two long years, we can finally meet together at this year's Tidally United Summit!

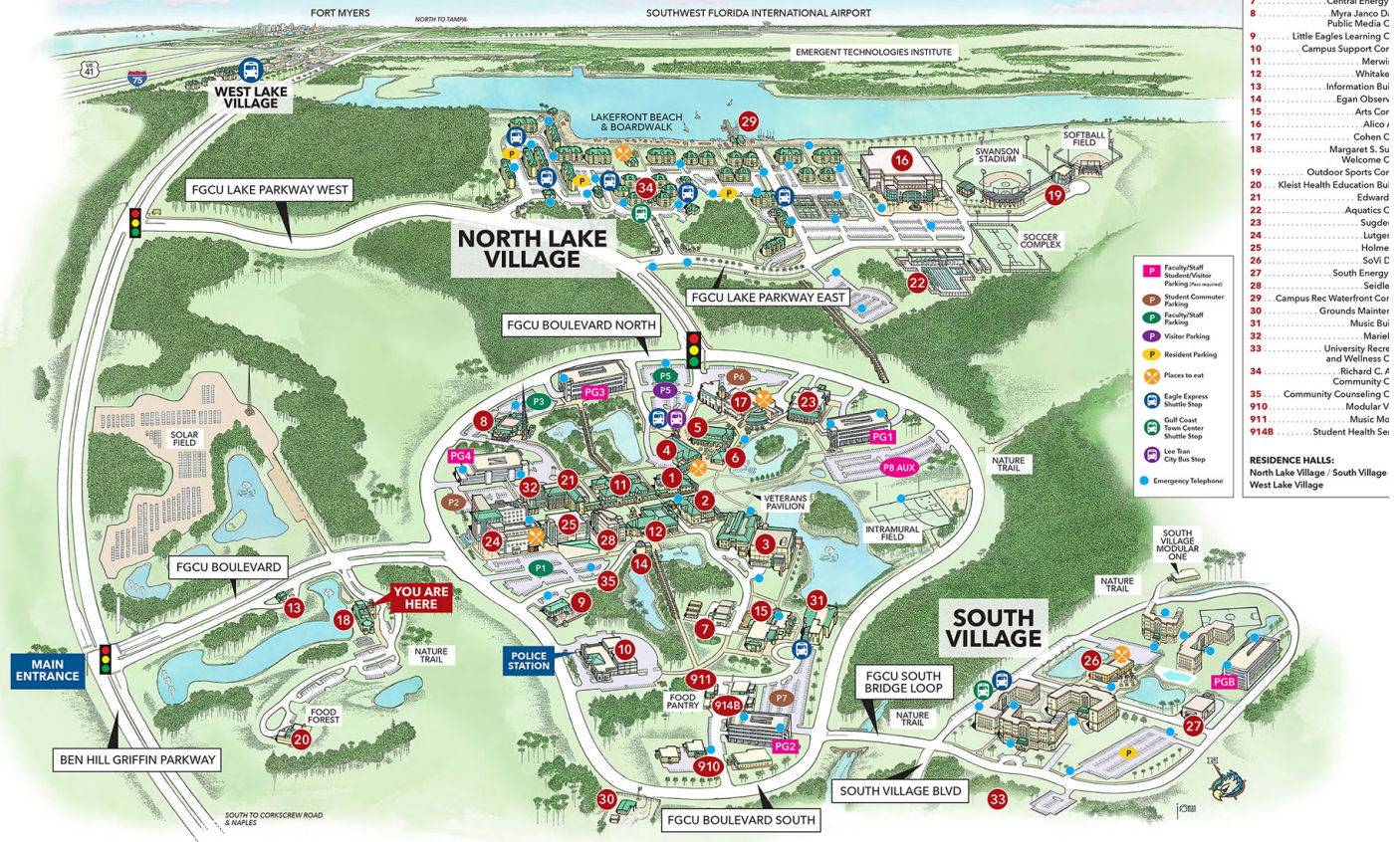
We are excited that you can join us - whether in person or virtually - at this year's summit. The Florida Public Archaeology Network, The Water School at Florida Gulf Coast University (FGCU), and the Seminole Tribe of Florida's Heritage and Environment Resources Office welcome you!

We are very excited and so fortunate to be able to host this conference at the new Water School at FGCU. This space is an environmental lab with sustainability at the core of its mission. The Water School aims to solve Florida's many water issues by using a holistic approach that will encompass environmental, social and health sciences with business and engineering.

For the last 25 years, FGCU has been an award-winning institution because of initiatives in education, energy production, research, and sustainable practices.

We hope this is a fun and invigorating reunion of archaeologists and climate change-minded preservationists to network, learn from each other and find solutions to protect our heritage from the effects of climate change.

Florida Gulf Coast University Campus

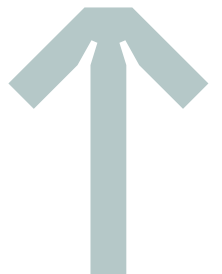


TOUR THE CAMPUS

Discover what's unique about FGCU. If you want to take a virtual tour you can go to <https://www.fgc.edu/campusmap/>.

A quick tour of

FGCU



PARKING & COVID INFO



PARKING

A parking pass for the event was sent to all in-person attendees via email. If you are visiting The Water School for the conference, you must have a parking pass displayed in your vehicle's window. Parking will be in Garage 1 (please refer to the map on page 04).



COVID INFO.

Masks are not required on campus. However, we strongly recommend that people continue wearing masks indoors regardless of their vaccination status. Every safety measure has been taken and some spaces may be more crowded than others, therefore, conference organizers encourage attendees to wear a mask and social distance as much as possible. Masks and hand sanitizer will be available in the various conference rooms.

EVENTS SCHEDULE

Time	Event	Room
8:30 am – 9:00 am	Registration	1 st floor at The Water School
9:00 am – 9:30 am	Welcome by Dr. Tolley	Room 106
9:30 am – 11:00 am	Tribal Keynote Panel	Room 106
11:00 am – 11:15 am	Discussion	Room 106

EVENTS SCHEDULE

Time	Presenter	Presentation Title	Room
11:15 – 11:30 am	Dr. Michael Savarese	The development and application of vulnerability assessment tools to predict future impact of flooding due to sea-level rise and storm surge in Southwest Florida	Room 106
11:30 – 11:45 am	Sarah Miller	HMS Florida 2021-2022: A Year in Review	Room 106
11:45 – 12:00 pm	Rachael Kangas	What do we save? A framework for prioritizing cultural sites in Collier County, FL	Room 106
12:00 pm – 12:10pm	Discussion		Room 106
12:10 pm – 1:25 pm	Lunch		Room 222
1:25 pm – 1:45 pm	Dr. Marcy Rockman	A World View of the Cultural Heritage Community and the Impacts of Climate Change	Room 106
1:45 pm – 2:00 pm	Raychel Ceciro	Make Thee an Ark: Preserving Florida Heritage through Performance	Room 106
2:00 pm – 2:15 pm	Dr. Brooke Hansen	Climate Change Monitoring and Heritage Site Protection at Egmont Key	Room 106

EVENTS SCHEDULE

Time	Presenter	Presentation Title	Room
2:15 pm – 2:30 pm	Dr. Isabel Rivera Collazo	Proyecto DUNAS: community engagement and co-production of knowledge to protect coastal cultural heritage	Room 106
2:30 pm – 2:45 pm	Dr. Alanna Lecher	Diagenesis in Shell and Bone Artifacts Mediated by Sea Level Rise	Room 106
2:45 pm – 3:00 pm	Steven Koski	Snake Island (So2336): Discovery, Research, Stabilization and Preservation of an Eroding Late Prehistoric Site in an Active Bayshore Setting, Sarasota County, Florida	Room 106
3:00 pm – 3:15 pm	Discussion		Room 106
Roundtable Session			
3:15 pm – 4:15 pm	In-person: Community Conversation about Heritage at Risk		Room 222
3:15 pm – 4:15 pm	Virtual: Community Conversation about Heritage at Risk		Room 209
4:15 pm – 4:45 pm	Closing remarks		Room 222

MEET THE PRESENTERS



TINA OSCEOLA

Director, Tribal Historic Preservation Office, Seminole Tribe of Florida

Tina Osceola is the strategic thinker and goal-oriented director of the Seminole Tribe of Florida's Tribal Historic Preservation Office. Tina completed her undergraduate studies at Rollins College in Winter Park (BA, Political Science) and her Master's Degree in Public Administration from Nova Southeastern University. Tina is also well known as a public speaker for both local civic organizations as well as a keynote speaker for national associations. She is dedicated to the defense and protection of tribal sovereignty and her special areas of interest are tribal tourism, tribal museums, tribal historic preservation, and cultural resource protection. She and her staff work on repatriation issues and are reaching out to the tribal community to develop a more formalized repatriation committee to get more tribal members involved.



JUAN CANCEL

Assistant Director of the THPO, lead for the Cultural Resource Vulnerability Assessment Survey

Mr. Cancel has served the Seminole Florida of Florida since 2007. Currently, he serves as the Assistant Director for the Tribal Historic Preservation Office (THPO) and works with the THPO team to carry out the mission to help champion Tribal sovereignty through the protection and preservation of Seminole cultural interests. Mr. Cancel received his Bachelor's Degree in Geography from Hunter College - City University of New York. He has held positions as the THPO Chief Data Analyst and the THPO GIS Specialist during his 15 years with the Seminole Tribe.



JILL HOROWITZ

Climate Resiliency Officer, Heritage and Environment Resources Office, Seminole Tribe of Florida

Jill Horowitz has served The Seminole Tribe of Florida since 2020. As the Climate Resiliency Officer, Ms. Horowitz coordinates research on the immediate and long-term impacts of climate change, engages with the Tribal community to inform planning and program development, and provides recommendations and best practices to leadership on how to protect the assets of the Seminole Tribe and build greater resilience for the entire community. Prior to serving the tribe, Jill was the Senior Environmental Program Coordinator in Broward County's Environmental Planning and Community Resilience Division.

MEET THE PRESENTERS

DAVE SCHEIDECKER



Historian, Tribal Historic Preservation Office, Seminole Tribe of Florida

Dave Scheidecker is an experienced historian and archaeologist with a demonstrated history of working in Tribal Government. He holds a BA in anthropology and history from Florida Atlantic University and an MA in anthropology from Texas Tech University. He has worked on historic and prehistoric archaeological sites in Texas, Ecuador, and Zimbabwe. Dave has been with the THPO since 2015.

QUENTON CYPRESS



Community Engagement Officer, Heritage and Environment, Resources Office, Seminole Tribe of Florida

Quenton Cypress (Wind Clan) was raised on the Big Cypress Reservation. He is the Community Engagement Manager for the Heritage and Environment Resources Office of the Seminole Tribe of Florida. Quenton manages the Ta-Pee-Kee-Ke Yak-ne Community Center on the Big Cypress Reservation. He is also the President of the Weapons Demonstration Team that teaches Seminole War tactics and educates the general public on how the Seminoles lived during war time.

STACY D. MYERS III



Snr. Scientist and Liaison, Heritage and Environment Resources Office, Seminole Tribe of Florida

Mr. Myers has served the Seminole Tribe of Florida since 2010. As Senior Scientist and Liaison, Mr. Myers is the primary agency contact for all major Water Resource and Environmental Projects with Federal and State Agencies. Mr. Myers received his Masters in Environmental Sciences from Nova Southeastern University. He has expertise in a wide range of disciplines including planning, water management, conservation, and ecosystem restoration. Mr. Myers has held the positions of Assistant Director and Environmental Sciences Section Head for the Environmental Resources Management Department during his 10 years with the Seminole Tribe.

MEET THE PRESENTERS



RAYCHEL CECIRO

MFA Student, Contemporary Theatre and Performance,
The New School

Raychel is a multi-disciplinary performance artist who focuses on the preservation of at-risk histories through ethnographic performance. They have had work featured on the 2020 Kilroys List, at the Annenberg Performing Arts Center at the University of Pennsylvania (PHL), and more. Raychel has produced their work with support from the Florida Humanities Council, Sarasota Arts and Cultural Alliance (John Ringling Towers Grant), Florida Public Archaeology Network, and the Andrew W. Mellon Foundation. Raychel received their BA with honors from the New College of Florida, where they double majored in Literature and Anthropology, and where they were also hosted as an Adjunct Instructor this past spring semester. This year, they are beginning their MFA in Contemporary Theatre and Performance at The New School.



DR. BROOKE HANSEN

Director, Sustainable Tourism; Director, SDG Action Alliance
Patel College of Global Sustainability, University of South Florida

Dr. Brooke Hansen is the Director of the Sustainable Tourism M.A. Program at the University of South Florida. She is a faculty member at the Patel College of Global Sustainability and the School of Hospitality and Tourism Management. She also directs the SDG Action Alliance at USF promoting the use of the Sustainable Development Goals with a focus on SDG 13 Climate Action and SDG 11.4 to protect and safeguard the world's cultural and natural heritage. Her current research projects include assessing the impact of climate change on cultural heritage destinations in Florida and using virtual reality technologies to engage and educate visitors. In 2021, Dr. Hansen was also inducted into the CLEO Institute's Leadership Circle for her work on climate action.



RACHAEL KANGAS

Director of West Central & Central Regions - Florida
Public Archaeology Network, University of South Florida

Rachael Kangas is the Region Director for the West Central and Central Regions of the Florida Public Archaeology Network, and she conducts public archaeology and outreach in the regions. She earned her M.A. from the University of Central Florida (UCF) in 2015 and is certified as a member of the Register of Professional Archaeologists (RPA). She has participated in fieldwork in the Americas and conducted lab work and teaching during her time at UCF. She is also an American Academy for Underwater Sciences (AAUS) diver, allowing her to assist with underwater research around the state.

MEET THE PRESENTERS

STEVEN KOSKI



County Archaeologist
Sarasota County Libraries and Historical Resources

Steven H. Koski is currently the Sarasota County archaeologist with Libraries and Historical Resources. He is responsible for the administration of Sarasota County's Historic Preservation Ordinance and is an underwater archaeologist specializing in inundated coastal and terrestrial sites. He received his BA in Anthropology/Archaeology from the University of Massachusetts, Boston, and completed graduate studies in an MA program at Arizona State University. His research interests include the early prehistory of Florida, coastal adaptations, and Paleoindian and Archaic period settlement and subsistence systems. Steve worked as an assistant underwater archeologist at Warm Mineral Springs (1986 - 1989) and is the former Research Associate at Little Salt Spring for the University of Miami (2004 - 2013), where he worked with the director of research, Associate Professor Dr. John Gifford 1992-2013).

DR. ALANNA LECHER



Associate Professor at Lynn University

Alanna Lecher received her Ph.D. from the University of California Santa Cruz in Earth and Planetary Sciences where she studied groundwater transport in coastal environments. Now an associate professor at Lynn University she works with archaeologists to apply geological methods to archaeological questions.

SARAH MILLER



Director of Northeast and East Central Regions - Florida Public Archaeology Network, Flagler college

Sarah Miller received her Master's degree in Anthropology from East Carolina University in 2001 where she developed archaeology education programs at Tryon Palace in New Bern, North Carolina. Upon graduation from ECU, Ms. Miller supervised field and lab projects with public involvement for the Kentucky Archaeological Survey, as well as reviewed compliance projects for the Kentucky Heritage Council. She now serves as Director for FPAN's Northeast and East Central Regions, Board of Directors for the Society of Historical Archaeology, Statewide Coordinator for Project Archaeology, and on the editorial board for the Journal of Archaeology and Education. Her specialties include historical archaeology, heritage at risk, archaeology education, site stewardship, advocacy, and historic cemeteries.

MEET THE PRESENTERS

EMILY JANE MURRAY



Public Archaeology Coordinator -
Florida Public Archaeology Network, Flagler College

Emily Jane Murray earned a Master's degree in Anthropology from Brandeis University where she focused on public archaeology and site museums in Northeast Florida, and a Bachelors in Communications from Flagler College. She has excavated sites throughout the Southeastern United States and created numerous outreach tools including videos, activities and museum displays. She currently works as a Public Archaeology Coordinator for the Florida Public Archaeology Network Northeast Region. Her interests include digital heritage, heritage at risk, archaeology of Florida's indigenous peoples, historic cemeteries, and public archaeology and interpretation.

DR. ISABEL RIVERA-COLLAZO



Director of Scripps Center for Marine Archaeology & Associate
Professor Biological, Ecological and Human Adaptation to Climate
Change, University of California San Diego

Isabel Rivera-Collazo is Assistant Professor on Biological, Ecological and Human Adaptations to Climate Change at the Department of Anthropology and Scripps Institution of Oceanography, and Directs the SIO Human Ecology Laboratory. She is native to Borikén (Puerto Rico). Through geoarchaeology and archaeomalacology, Prof. Rivera-Collazo works to identify lessons from the past that are relevant to communities in the present. Her practice emphasizes collaboration to identify community-relevant research questions, where the recovery of past knowledge can help decolonize historical accounts and can contribute to answer questions and solve climate-related issues in the present. She is a founding member of UCSD Climate Action Lab, and has been awarded the 2020 Climate Adaptation Leader Award and the 2020 UCSD Integrity Award.

DR. MICHAEL SAVARESE



Professor of Coastal Resilience & Climate Adaptation,
The Water School, Florida Gulf Coast University

Michael Savarese is a Professor of Coastal Resilience & Climate Adaptation within the Department of Marine and Earth Sciences within Florida Gulf Coast University's Water School. He has degrees in geoscience with a background in coastal geology. Mike's teaching and research interests concern the history of environmental change in coastal settings, particularly in response to human development, climate change, and sea-level rise. Throughout his years at FGCU, he has served as a liaison for scientists and managers, helping ensure the best science is made available for decision-making.

Field trip to

THE MOUND HOUSE



Discover an ancient island life beyond anything you've ever imagined, through hands-on experiences atop a 2,000-year-old Calusa Indian Shell Mound!

In-person attendees that want to continue enjoying SWFL can join us on Saturday, August 13 at 11:00 am to visit The Mound House at Fort Myers Beach.

You will take a closer look at Southwest Florida's history, how archaeology is used to understand the past and the connection between humans and the environment.

You will also be able to enjoy the outdoor environment so don't forget to bring insect repellent, sunscreen, bottled water, and snacks. You are welcome to enjoy lunch at the picnic tables following the conclusion of the field trip. All facilities are ADA accessible.

ABSTRACTS

Ceciro, Raychel

Make Thee an Ark: Preserving Florida Heritage through Performance

The potency of performance as a preservation tool for sites at risk of climate change. Historic Spanish Point has 5,000 years of human history succumbing to the rising levels of Little Sarasota Bay. There are already midden pathways that are impassable in the high tide. Mary's Chapel is one of those many beautiful historic places in Florida that will be erased by rising seas. What happens once those records are inevitably lost? Make Thee an Ark suggests we get a move on telling them ourselves. What are other at-risk histories that need to be collectively spoken? If the "art of memory" is the core of performance, then it may prove one of our greatest tools to preserve what will otherwise be washed away.

Hansen, Brooke

Co-Authors: Laura Harrison (University of South Florida), Steven Fernandez (University of South Florida) and Richard Sanchez (Egmont Key Alliance)

Digital Heritage Monitoring and Public Outreach at Egmont Key: Updates from the Field

Egmont Key has been listed as one of the most endangered heritage sites in Florida. In recent years, erosion and tourism have accelerated, imperiling the island's natural and cultural resources. Collaborative digital heritage products led by USF, in partnership with key stakeholders, have produced prototypes for an interactive touchscreen exhibit and virtual reality tour of the island. Assessments indicate that incorporating digitization into outreach programs increases understanding and appreciation of heritage resources. These tools have improved heritage documentation by increasing the speed, accuracy, and shareability of data. Future planned work includes onsite citizen-science and monitoring in collaboration with FPAN and the development of an augmented reality app. Together, these efforts will enhance the stewardship and climate change preparedness for this unique resource.

Kangas, Rachael

Co-Authors: Rachael Kangas MA, RPA, Sara Ayer's Rigsby MA, RPA, Michael Savarese PhD

What do we save? A framework for prioritizing cultural sites in Collier County, FL

Vulnerability assessments are becoming commonplace in many planning departments, however cultural resources are often overlooked in this important work that shapes the future of our communities. This paper presents a framework for vulnerability assessment and prioritization of sites in Collier County using the ACUNE tool.

Koski, Steven

Snake Island (So2336): Discovery, Research, Stabilization and Preservation of an Eroding Late Prehistoric Site in an Active Bayshore Setting, Sarasota County, Florida.

In 1994, a shell midden was discovered and recorded on an island at the mouth of a coastal inlet during a recreational visit. On subsequent visits, shell tools, ceramics, and faunal material, primarily sea turtle bones were observed in an exceptional state of preservation actively eroding beneath a lens of mangrove marsh at the scarp of the spoil island. This discussion will involve a twenty-year case study resulting in two technical reports on sea level rise, coastal geomorphology, site preservation, erosion, archaeological research, site stabilization, and preservation methodologies; with a brief on the ongoing analysis of the salvage assemblage.

Lecher, Alanna

Diagenesis in Shell and Bone Artifacts Mediated by Sea Level Rise

Groundwater levels are rising in Florida as a result of sea level rise and is wetting and submerging archaeological sites and their artifacts. However, the impacts of wetting on Floridian artifact preservation and the surrounding environment artifacts are buried in is not well understood.

ABSTRACTS

This presentation introduces two recent studies on how increased groundwater elevations induce diagenesis on two common archaeological archives: bone artifacts (as documented from wetting experiments) and shell midden artifacts (as documented by elemental and isotopic composition in the shell matrix).

Miller, Sarah

HMS Florida 2021-2022: A Year in Review

The Florida Public Archaeology Network (FPAN) launched the Heritage Monitoring Scout (HMS Florida) program statewide at the first Tidally United Summit in 2016. Since that time, over 860 volunteers signed up and submitted over 2840 monitoring forms from across the state. This paper will review highlights from the sixth year of HMS, discuss results from our two-year study funded by a Florida Department of State Special Category grant, share new approaches we are using in our People of Guana project funded by a NERR Science Collaborative grant, and share what's in store for 2023.

Rivera Collazo, Isabel

Proyecto DUNAS: community engagement and co-production of knowledge to protect coastal cultural heritage

Coastal erosion poses a severe threat to cultural heritage. There are vast numbers of culturally valuable heritage sites that are under direct threat by the impacts of sudden and slow coastal erosion. The speed and magnitude of change makes it impossible for archaeologists to intervene and protect all that is being lost. In this presentation we discuss the Proyecto DUNAS (Descendants United for Nature, Adaptation and Sustainability), based on the north coast of Borikén, Puerto Rico, and share the experience of a community-based project to protect cultural heritage, restore damaged ecosystems and inspire climate action.

Savarese, Michael

The development and application of vulnerability assessment tools to predict future impact of flooding due to sea-level rise and storm surge in Southwest Florida

In a cooperative venture among Florida Gulf Coast University, the University of Florida, and the U.S. Geological Survey, supported by funding from NOAA and the FL DEP, a collection of vulnerability analysis tools (ACUNE: Adaptation of Coastal Urban Natural Resources) has been developed to predict the extent and depth of seawater flooding due to sea-level rise (SLR), nuisance tides, and storm surge across the 3 SWFL counties of Collier, Lee, and Charlotte. ACUNE employs a highly resolved digital elevation model for the region; accounts for the flooding attenuation effects of green infrastructure (mangroves, salt marsh, dunes); and incorporates the effects of SLR, tides, waves, and storms in a changing climate through 2100. Local communities – cities, counties, and civic groups – have provided the location of their critical natural, cultural, and urban assets, which have been mapped within ACUNE, giving the same communities the opportunity to assess the vulnerability of their most valued assets for adaptation planning. Examples from the region's jurisdictions will be shared.

HOSTED BY:



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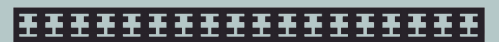
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