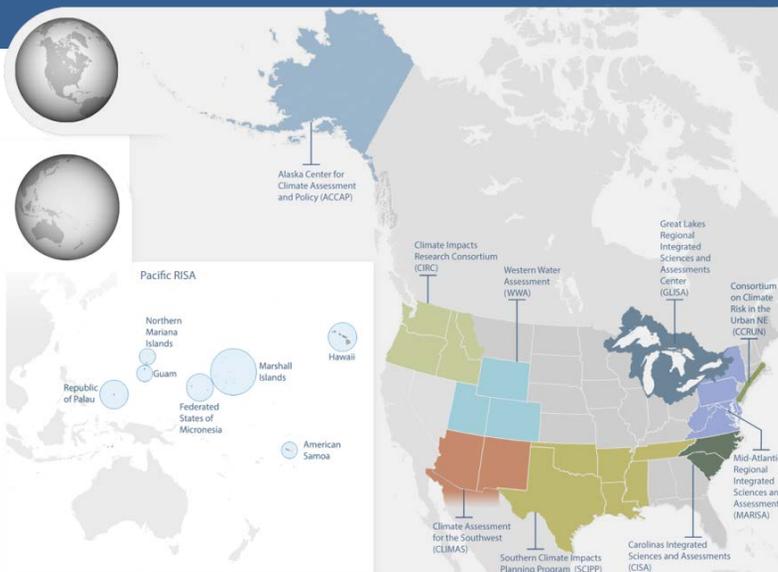


REGIONAL INTEGRATED SCIENCES & ASSESSMENTS (RISA)

Helping regions and communities better prepare and plan for hazards and extreme events for more than 20 years.

In 2016 alone, the United States experienced 15 billion-dollar weather and climate disasters, which resulted in 138 fatalities and cost \$46 billion.

For more than 20 years, the NOAA **Regional Integrated Sciences and Assessments (RISA)** Program has been producing actionable climate research, helping to reduce economic damages that Americans face every year due to droughts, floods, forest fires, vector-borne diseases, and a host of other climate and extreme weather impacts. The **network of ten RISA teams across the country** work hand-in-hand with stakeholders and decision makers in regions across the United States to ensure that research and information is responsive to their needs.



The sustained regional presence of RISA enables teams to effectively support responses to extreme events. In 2012, CCRUN's expertise in coastal inundation informed New York City planning efforts after Hurricane Sandy, WWA researchers aided Colorado after 2013's record flooding, and RISA teams in the Western United States have supported the region during its recent intense drought.



Photo Courtesy: WWA

Research produced by the RISA program has educated, informed, and closely interacted with thousands of decision makers across the nation, helping them build the expertise to better plan and prepare for climate variability and extreme weather events. RISA products are making a difference today, helping communities and individuals improve resilience, enhance growth, and reduce costs in a variety of sectors. RISA is supported by the National Oceanic and Atmospheric Administration's (NOAA) Climate Program Office.



Photo Courtesy: Pacific RISA

Updated: April 2017

Learn more: CPO.NOAA.gov/RISA





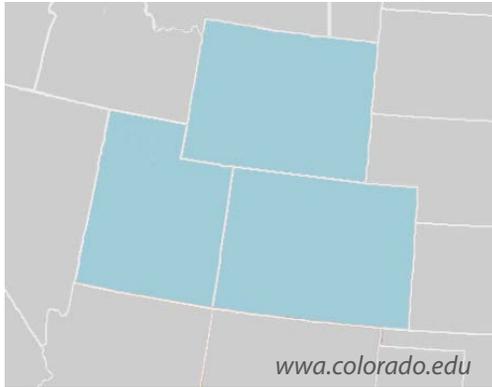
HOW IS RISA HELPING COMMUNITIES NEAR ME?

The **Western Water Assessment (WWA)** RISA works with decision makers across Colorado, Utah, and Wyoming to help them effectively use science to manage for extreme weather and climate impacts in the Rocky Mountain West. With multidisciplinary teams of experts in climate, hydrology, ecology, law, and policy, WWA works with stakeholders to develop practical research programs and useful information products.

“WWA is unique because it makes science easily available, is credible, engages decision makers, and is easily accessible to regional water providers.”

- *Laura Kaatz*
Climate Program Manager, Denver Water

WESTERN WATER ASSESSMENT (WWA)



RAINFALL INSURANCE FOR RANCHERS

Pasture, rangeland, and forage land occupy roughly 55% of the land in the United States—the largest extent of managed land in the country.



With nearly 43 million acres insured and nearly \$71 million in indemnities paid out in 2016, the USDA’s Pasture, Rangeland, and Forage (PRF) insurance program is the nation’s third largest agricultural insurance program. Insurance claims are linked to NOAA’s gridded precipitation data.

The **Western Water Assessment (WWA)** RISA, partnered with the University of Colorado and the USDA Climate Hub, is working with ranchers and range extension professionals in the Rocky Mountains and Great Plains to develop drought decisions support tools. These tools help ranchers understand how the PRF insurance program and drought adaptation investments can help them keep their herds, their rangeland, and their livelihoods in the best possible condition.