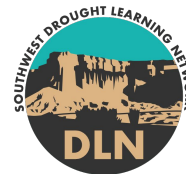




— BUREAU OF —
RECLAMATION



Southwest Climate Hub
U.S. DEPARTMENT OF AGRICULTURE



The Collaborative Conservation and Adaptation Strategy Toolbox (CCAST)

Peer-to-peer Knowledge Sharing for Climate Adaptation



CCAST

People working in resource management wanted a fast and effective platform for peer-to-peer knowledge sharing

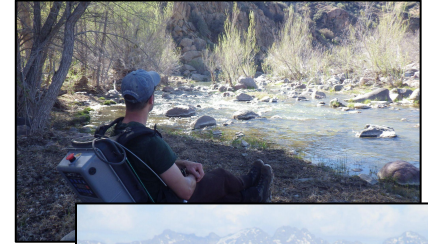
- Case Studies, webinars, workshops, Communities of Practice, Tool Development
- Improves outcomes of on-the-ground work
- Help get “unstuck” — Inspire confidence and action by sharing successful projects
- Issue-based instead of geography-based



Case Studies

Support climate adaptation by sharing transferable lessons learned from on-the-ground management and research projects, catalyzing conversations, strengthening knowledge and skills

- Make connections
- Foundation for tools
- Share outcomes, tools and resources not otherwise available
- Topics: Drought, fire, and Climate Adaptation, Ecological Restoration (grasslands, riparian areas, etc), Collaboration and partnerships, and more!



Tag Based Search & Dashboard

Filter

Items: 39 Tagged: climate change X Clear All

Modified

- Today
- Yesterday
- Last 7 Days
- Last 30 Days
- Custom Range...

Tags

Filter tags

- bats
- bird
- border
- citizen science
- climate change**
- communication
- connectivity
- contamination

39 tagged under "climate change"

Prescribed Burns for Grassland Management at the Sevilleta National Wildlife Refuge
Updated: Jul 8, 2020
A Case Study on Fire Management

Springs Inventory, Assessment, and Management Planning in the Sky Islands
Updated: Jun 8, 2020
A Case Study on Actionable Science

Research and Collaboration to Improve Amargosa Vole Conservation in the Lower Amargosa River
Updated: Jul 8, 2020
A Case Study on Actionable Science

Helping Pollinators Adapt to Climate Change
Updated: Mar 2, 2022
A Case Study on Restoration

CCAST Case Study Dashboard

Select a category to filter the Case Studies.

Filter Case Studies by...

Topic
No Topic selected

Stressor
No Stressor selected

Management Strategy
No Strategy selected

Ecosystems
No Ecosystems selected

River Basin
No River Basin selected

Partner
No Partner selected

State
No State selected

Use Tabs to navigate Charts
Remember to deselect/clear filters

166 Total Case Studies

4 New Case Studies

- Invasive Red Shiner Eradication in the Virgin River of Southwestern Utah
- Experimental Flow Releases from El Vado Reservoir in the Rio Chama
- The Adaptive Silviculture for Climate Change Project in the San Juan National Forest
- Co-Developing the Drought Severity Evaluation Tool for Use on the Navajo Nation

Stressor

Topic	Count
Climate Change/Drought	26
Fire Regime Changes	9
Habitat Conversion and Fragmentation	32
Native and Non-Native Invasive Species	50
Unsustainable Resource Use	17
Water Resource Utilization	29

Developed with student writers who gain technical writing and communication skills, learn from practitioners, and expand their professional networks



Communities of Practice

Support Climate Adaptation by Identifying key challenges and collaboratively develop solutions across boundaries

- Address priority issues:
 - Climate change and drought adaptation
 - Aquatic restoration
 - Grassland restoration
 - Non-native aquatic species
- Prioritize Case Study selection and drive tool development
- Modular – used by other groups:
 - Southwest Fire and Climate Adaptation Partnership (SWFireCAP)
 - Drought Learning Network
 - Association of Fish and Wildlife Agencies Climate Adaptation Committee



Tools

Support climate adaptation by bridging the gap between research and practice, and address needs of land managers.

CONNECTIVITY & CLIMATE CHANGE TOOLKIT

Introduction & Purpose Adaptation Strategies Considerations by Systems > Aquatic & Wetlands **Forests** Riparian Grasslands De

Establish and Maintain Partnerships
A multi-agency partnership to moderate wildfire impacts in northern Arizona

Identify and Maintain Corridors
Old forest connectivity management...
Allegheny National Forest Record of Decision...

Identify and Maintain Corridors
Restoring forested landscape connections in a northern Appalachians The Skyline...

Remove Barriers to Connectivity
Restoring wildlife corridors to connect barren areas in the Blue Mountains...

Restore Degraded Systems
Fire management to restore and increase resilience of southwestern forests

CCAST Drought and Climate Adaptation Toolkit

Prepared for managers and researchers in cooperation with the CCAST Drought Adaptation Community of Practice

Purpose Background Impacts on Arid Rivers Water Governance Tools & Resources Case Studies Acknowledgments

Drought is notoriously difficult to define. Unlike other natural hazards such as wildfires and tornadoes, there is no clear moment of inception when it comes to drought.

See below for great drought monitoring tools and resources from our partners:

- NOAA's National Integrated Drought Information System
- U.S. Drought Monitor
- National Drought Mitigation Center tools
- Bureau of Reclamation Addressing Drought Web Portal

Nature-Based Solutions as Tools for Drought Adaptation

Nature-based features and infrastructure are

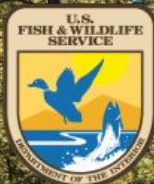
CONNECTIVITY & CLIMATE CHANGE TOOLKIT

Prepared for the Climate Adaptation Committee of the Association of Fish and Wildlife Agencies





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Acknowledgements

- U.S. Fish and Wildlife Service
- Bureau of Reclamation
- University of Arizona
- Southwest Drought Learning Network

Connect with us: Ariel Léger (arielleger@arizona.edu); Anna Weinberg (akweinberg@arizona.edu); Matt Grabau (matthew_grabau@fws.gov); Genevieve Johnson (gjohnson@usbr.gov)