







What is CCAST?

• Collaborative Conservation and Adaptation Strategy Toolbox (CCAST)

- An online platform to share case studies that provide useful information and lessons learned from on-theground science, conservation, and restoration
- Improves communication among practitioners, researchers, and managers working to address natural resources challenges
- Multi-organization partnership



## The CCAST Team

- 2 Federal Coordinators (USFWS and Reclamation)
- 2 Web Developers/Data Managers (Reclamation)
- Case Study Authors:
- 2 University Staff (University of Arizona)
- 1 Program Analyst (Reclamation)
- 2 Undergraduate Students (University of Arizona)
- 3 Undergraduate Interns (N. Arizona University)

• Working Group: 100+ partners from across the West

# Case studies as the foundation of a collaborative toolbox for ecological conservation and restoration Alex Koeberle<sup>1</sup>, Matthew Grabau<sup>2</sup>, Genevieve Johnson<sup>3</sup>, Larry Fisher<sup>1</sup>, Amanda Webb<sup>1</sup>, Deanna Morrell<sup>3</sup>, Megan Friggens<sup>4</sup> <sup>1</sup>University of Arizona, <sup>2</sup>US Fish and Wildlife Service, <sup>3</sup>Bureau of Reclamation, <sup>4</sup>US Forest Service

Case Study Handout 🛛 🖌 🏏

# The CCAST Process

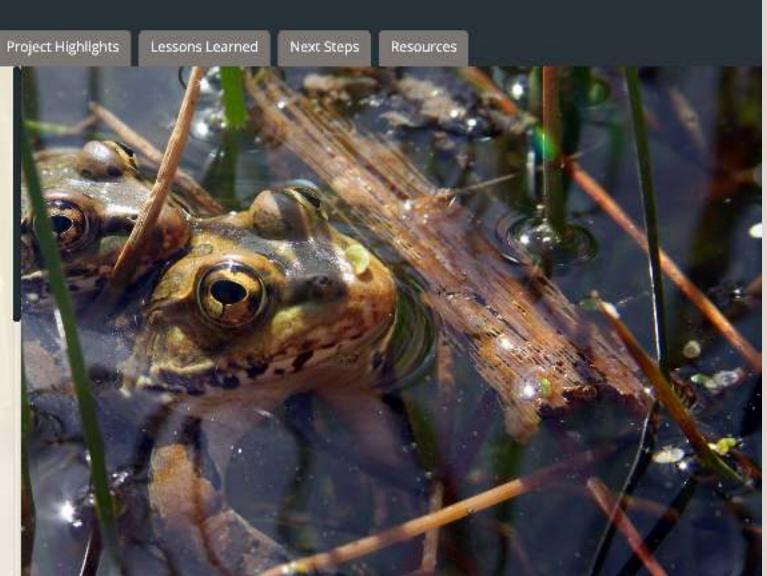
1) Practitioners provide material, 2) CCAST staff develop draft, 3) Internal/contributor review, 4) External CCAST working group review, and 5) Online publication

### **CCAST Products** Online Case Study:

Restoring Leopard Frog Habitat in Cienega Creek, Arizona A Case Study on Restoration

**Key Issues Addressed** 

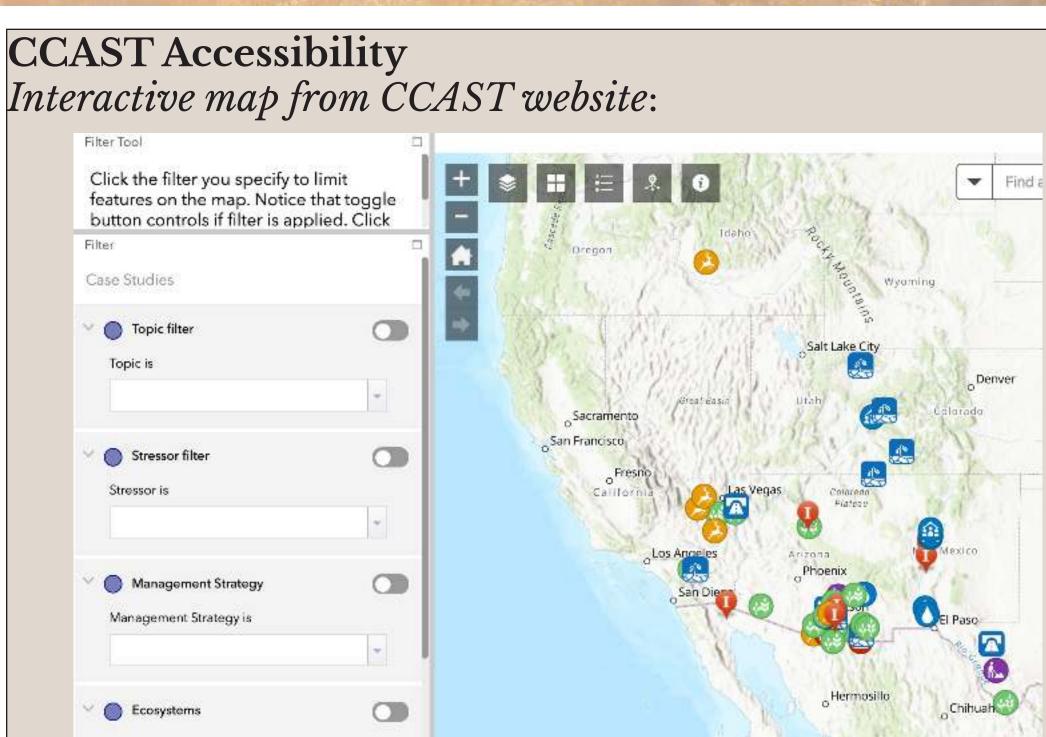
In arid regions around the world, wetlands and the aquatic vertebrat they support are among the mos globally threatened ecological drought habitat modification an federally listed, threatened Chiricahua leopard frog due primarily to predation and disease transmission bullfrogs carry but are not strongly affected by chytridiomycosis, a fungal pathogen causing global amphibian declines. Additionally, northerr crayfish and several non-native fishes exist in areas adjacent to Cienega Creek. Potential invasion by these



## **Case Study Contributors** A diverse network has produced case studies on: Water

resources, connectivity, collaboration and community engagement, fish and wildlife, restoration, working lands, socioeconomics, landscape/watershed-level management, and actionable science





# **Future Work**

• Develop topic-based narratives and synthesis products

• Focal area (2020): aquatic invasive species management

• Learn practical lessons from implemented projects



Expand opportunities for undergraduate students to produce case studies in their areas of interest

## Why Use CCAST?

• The CCAST staff is a resource to help promote your restoration work to a widespread audience

• Connect with practitioners across a diverse geography through an easy to use online platform

 Provide insight for students and professionals interested in conservation, writing, and a professional network

For more information please contact: Alex Koeberle: akoeberle@email.arizona.edu





**RESOURCES AND THE ENVIRONMENT**