

CESU Network

National Office Update



Thomas E. Fish
National Coordinator

Chesapeake Watershed CESU Meeting
October 2021

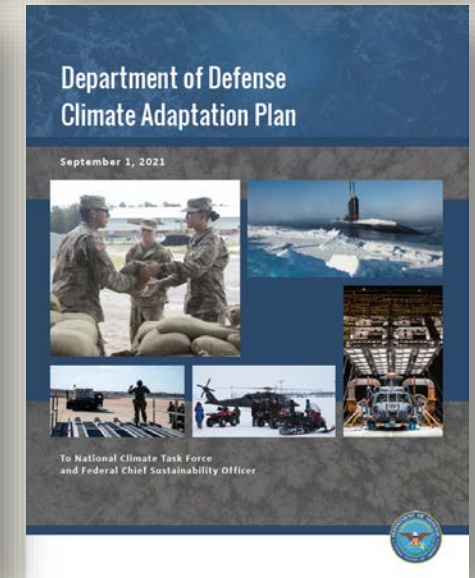
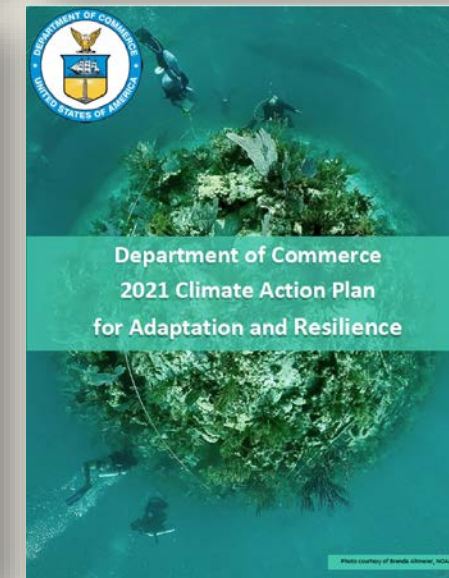
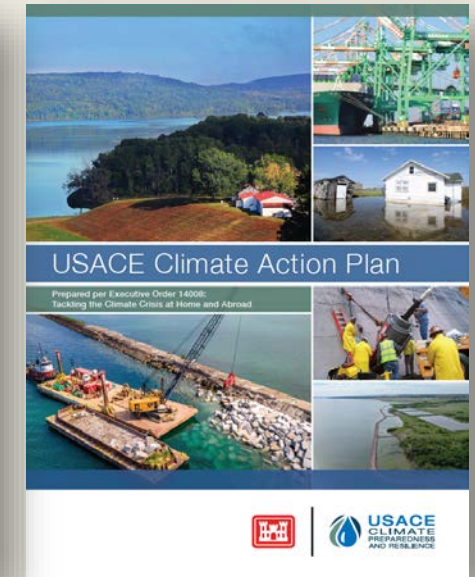
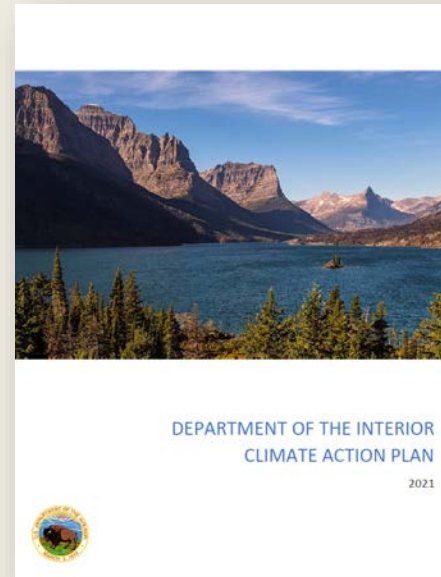
Source: NPS

USG Climate Adaptation Plans

Executive Order 14008

- ✓ **What?** – “For natural resource conservation, the FY 2022 budget seeks to bolster existing successful programs protecting wildlife and landscape, fund climate change science and resiliency, and increase resources supporting climate and natural resource decision making.”
- ✓ **How?** – “...directs agencies to work closely with Federal and non-Federal partners on tackling the climate crisis.”

Source: NPS Green Book 2022



FY 2022 Proposed Funding

- ✓ *Natural Resources Conservation Initiative*
- ✓ *NPS Green Book, President's FY 2022 Budget – \$5.5M*
- ✓ *\$300K/CESU, \$400K/NPO*



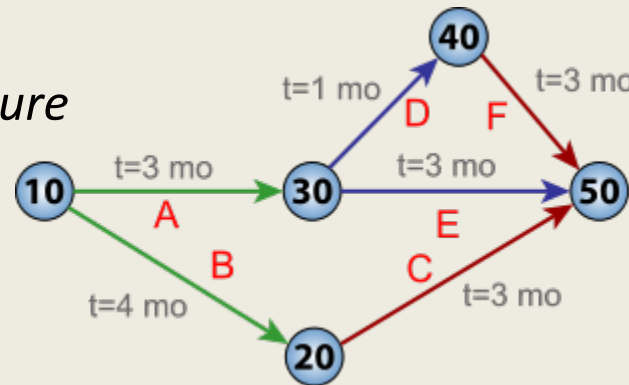
Source: NPS

National Park Service Regions

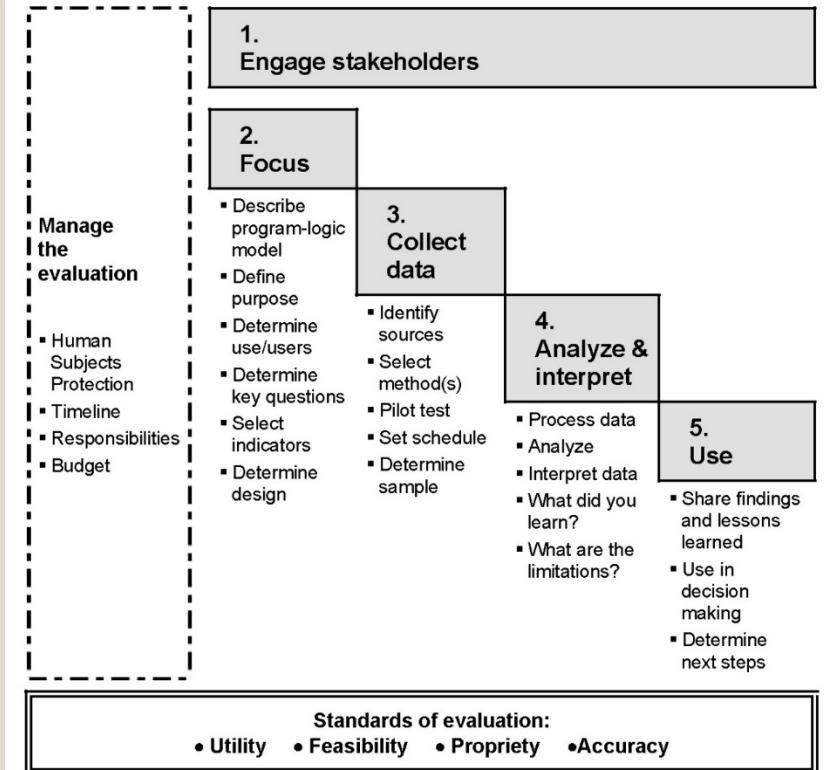
- ✓ *Interior Region 1 — Northeast Region (NER)*
 - * *North Atlantic Coast*
- ✓ *Interior Region 1 — National Capital Area (NCA)*
 - * *Chesapeake Watershed*
- ✓ *Interior Region 2 — Southeast Region (SER)*
 - * *Gulf Coast, Piedmont-South Atlantic Coast, South Florida-Caribbean, Southern Appalachian Mountains*
- ✓ *Interior Regions 3, 4, 5 — Midwest Region (MWR)*
 - * *Great Lakes-Northern Forest, Great Plains, Great Rivers*
- ✓ *Interior Regions 6, 7, 8 — Intermountain Region (IMR)*
 - * *Colorado Plateau, Desert Southwest, Rocky Mountains*
- ✓ *Interior Regions 8, 9, 10, 12 — Pacific West Region (PWR)*
 - * *Californian, Great Basin, Hawai'i-Pacific Islands, Pacific Northwest*
- ✓ *Interior Region 11 — Alaska Region (AKR)*
 - * *Alaska*
- ✓ *Washington Area Support Office (WASO)*
 - * *CESU Network National Office*

General Framework

- ✓ *Info and Project Inventory*
- ✓ *Characterizing Network Structure Over Time Using Indicators*
- ✓ *Stakeholder Engagement*
- ✓ *Analysis and Synthesis*
- ✓ *Interpretation*
- ✓ *Recommendations*
- ✓ *Report Out*



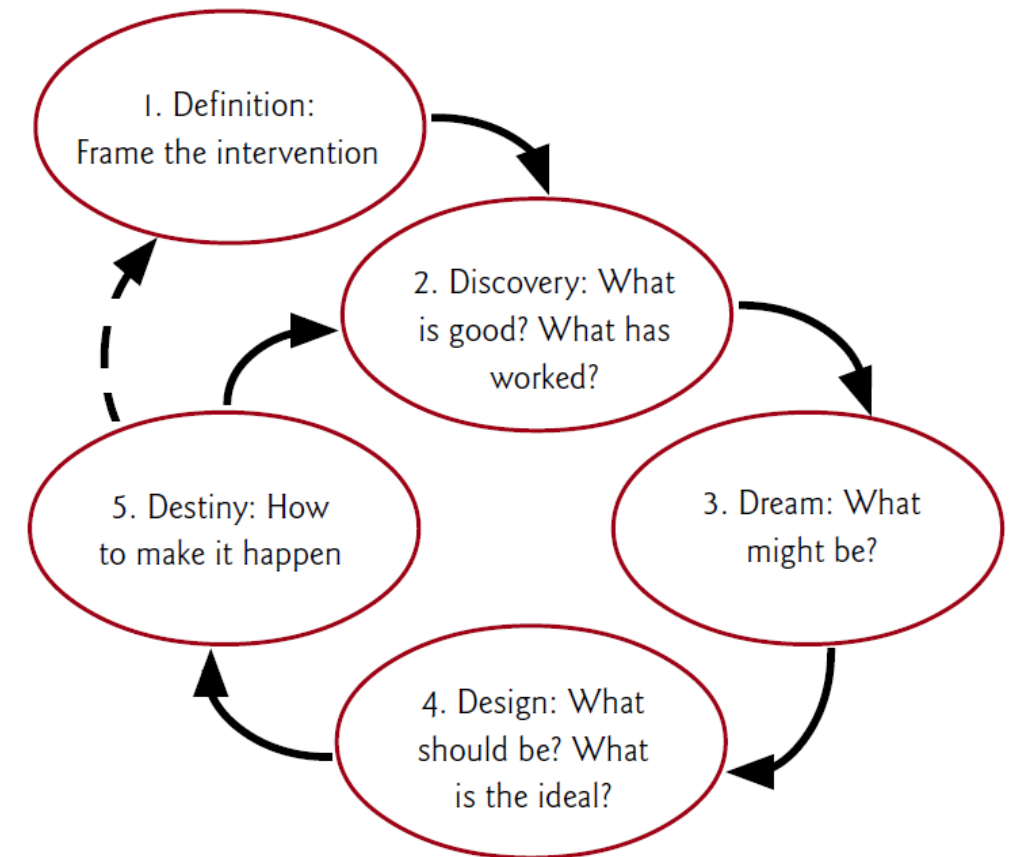
Steps in Program Evaluation



Appreciative Inquiry

An 'asset-based' approach to evaluation.

- ✓ **Define** – basis/context for evaluation
- ✓ **Discover** – what is going well?
- ✓ **Dream** – what else might be possible?
- ✓ **Design** – what would that look like?
- ✓ **Deliver** – what will it take to get there?



Source: Acosta and Douthwaite, 2005

Early Days

✓ *Mission Statement*

“The CESU Network will conduct mission-oriented research, provide technical assistance and offer educational programs to federal agencies and partners concerned with natural and cultural resource management.”

– Science for Resource Management in the 21st Century (1996)

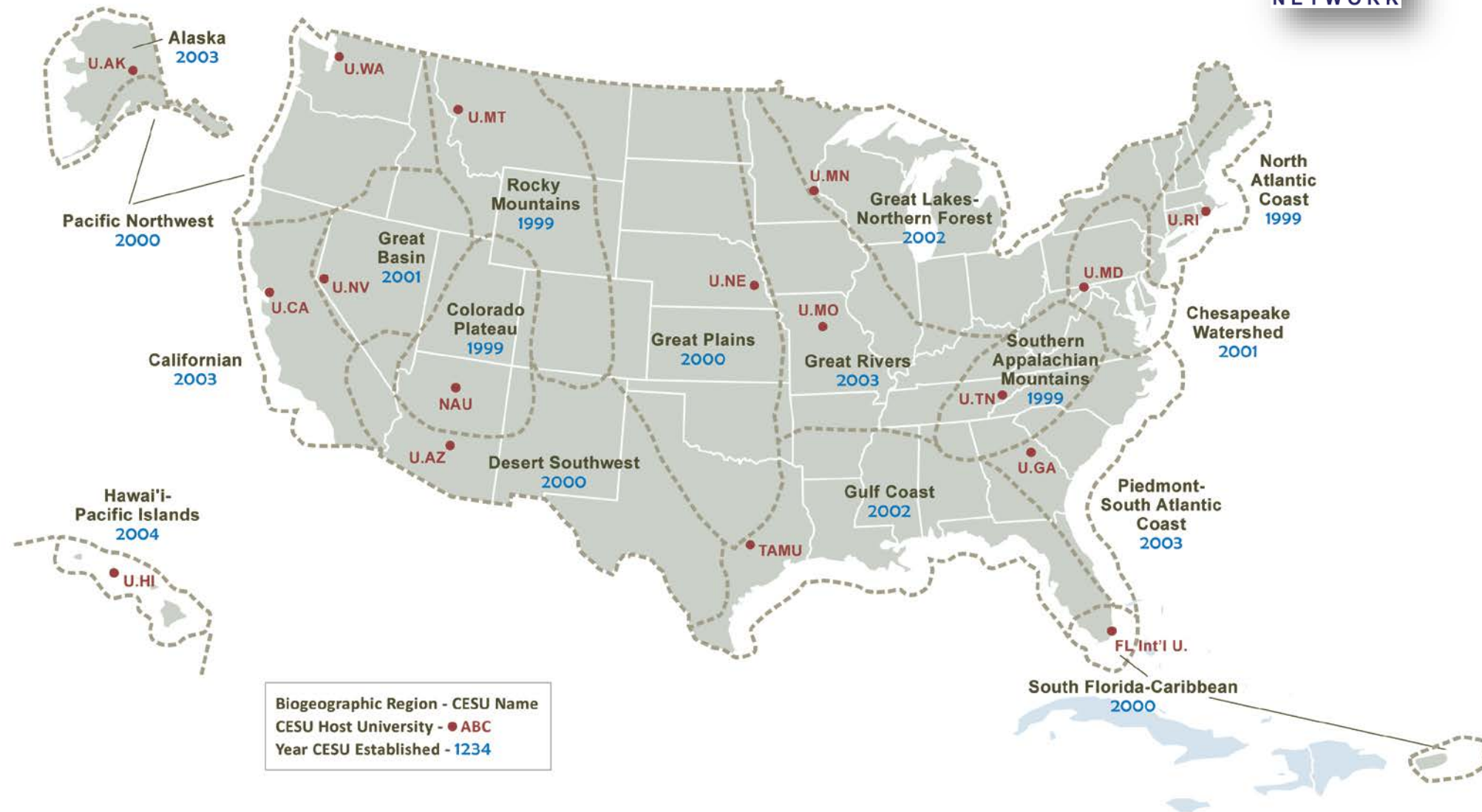
✓ *“10. Why is the CESU network necessary?”*

Many of the elements of a CESU and the CESU network, currently exist in other organizations.

***However, there is no multi-agency, university-based, broadly interdisciplinary, and ecosystem-oriented research system currently providing scientific research, technical assistance, and education to federal resource managers.** The CESU network is a complement to existing federal research programs, and an innovation in the delivery of federal science. Such an innovation is necessary to increase agency coordination, sharing of scarce resources and valuable expertise, and to deal with the broad and complex problems associated with resource management in the 21st century.”*

– CESU Implementing WG FAQs (1996)

COOPERATIVE ECOSYSTEM STUDIES UNITS





CESU Council
(17 Federal Agencies)

<< program governance

Federal Agencies
Regional/State Offices

<< agency supervision and guidance

CESU

CESU Partners

Federal Agencies
(Federal Managers Committee)

State and Local Agencies

Nonprofits/NGOs
+ aquariums, zoos
+ museums, arboretums
+ conservation organizations

Host University
CESU Director
and CESU staff

duty-stationed
federal scientists/
science coordinators

Tribes and Tribal Agencies

Academic Institutions

+ doctoral universities
+ master's colleges and universities
+ baccalaureate colleges
+ associate's/community colleges
+ minority serving institutions*
(*minimum one per CESU)

five-year cooperative agreement
(terms and conditions | programmatic IDC)

agency jurisdictions | management units | public trust resources | study areas

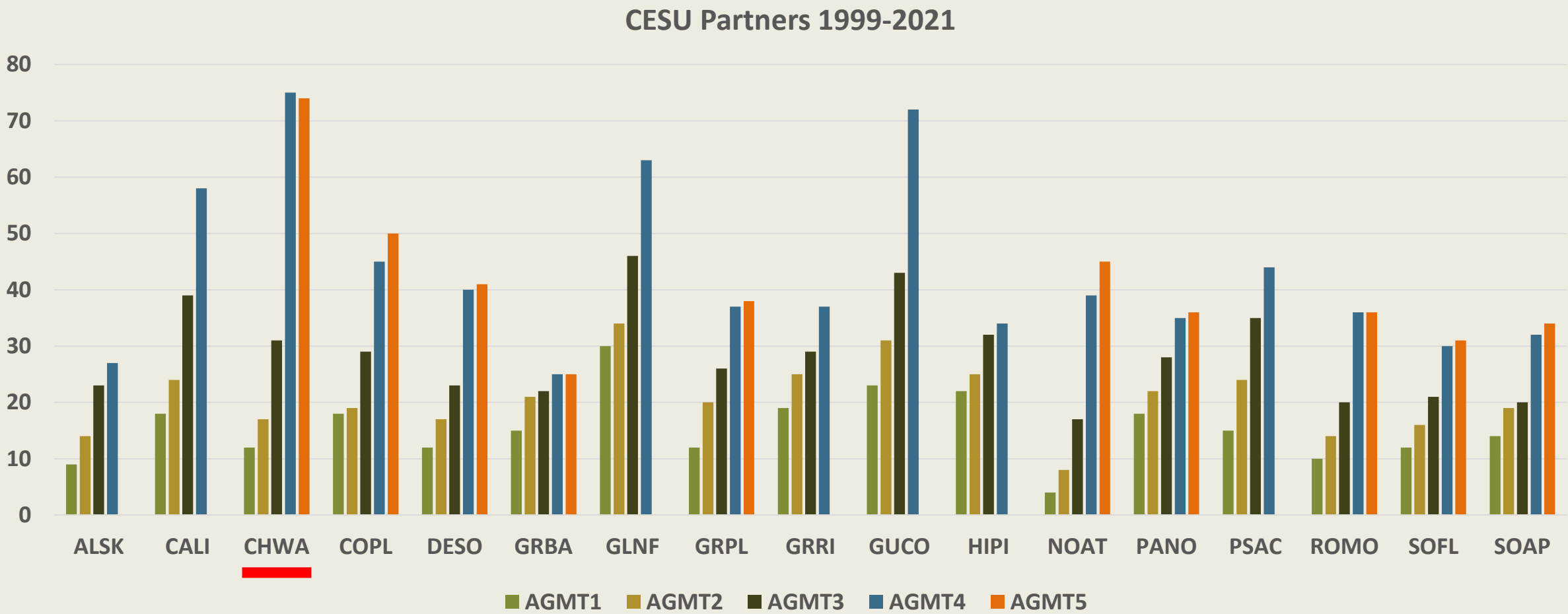
Search Projects

tfish

Click to Expand Search Panel

Results

	Project Title	Status	Local Proj. #	CESU	Sponsoring Agency	Partner Organization
	The Influence of land Use ...	Unpublished	01-CA-1124...	Chesapeake Watershed (CHWA)	U.S. Forest Service	University of Maryland, Baltimore Co...
	The Influence of land Use ...	Unpublished	02-CA-1124...	Chesapeake Watershed (CHWA)	U.S. Forest Service	University of Maryland, Baltimore Co...
	The Influence of land Use ...	Unpublished	03-CA-1124...	Chesapeake Watershed (CHWA)	U.S. Forest Service	University of Maryland, Baltimore Co...
	The Influence of land Use ...	Unpublished	04-CA-1124...	Chesapeake Watershed (CHWA)	U.S. Forest Service	University of Maryland, Baltimore Co...
	The Influence of land Use ...	Unpublished	05-CA-1124...	Chesapeake Watershed (CHWA)	U.S. Forest Service	University of Maryland, Baltimore Co...
	Bird use of herbaceous co...	Unpublished	68-3A75-4...	Chesapeake Watershed (CHWA)	Natural Resources Conservation Serv...	University of Maryland, College Park
	Evaluating biological effec...	Unpublished	68-3A75-4...	Chesapeake Watershed (CHWA)	Natural Resources Conservation Serv...	The Pennsylvania State University
	Pollination Ecological Infor...	Unpublished	68-3A75-4...	Chesapeake Watershed (CHWA)	Natural Resources Conservation Serv...	University of Maryland, College Park
	Development of Bird Habit...	Unpublished	68-3A75-4...	Chesapeake Watershed (CHWA)	Natural Resources Conservation Serv...	American Bird Conservancy
	Soil Series Extent Tool	Unpublished	68-3A75-4...	Chesapeake Watershed (CHWA)	Natural Resources Conservation Serv...	The Pennsylvania State University
	Evaluation of Spatial Land...	Unpublished	68-3A75-4...	Chesapeake Watershed (CHWA)	Natural Resources Conservation Serv...	The Pennsylvania State University
	Digial Soil Survey Use and...	Unpublished	68-3A75-4...	Chesapeake Watershed (CHWA)	Natural Resources Conservation Serv...	The Pennsylvania State University
	Pollination Ecological Infor...	Unpublished	68-3A75-4...	Chesapeake Watershed (CHWA)	Natural Resources Conservation Serv...	University of Maryland, College Park
	Digial Soil Survey Use and...	Unpublished	68-3A75-4...	Chesapeake Watershed (CHWA)	Natural Resources Conservation Serv...	The Pennsylvania State University
	A web-based national land...	Unpublished	68-3A75-4...	Chesapeake Watershed (CHWA)	Natural Resources Conservation Serv...	The Pennsylvania State University
	PCPs in Seeps and Springs...	Unpublished	F-3992-07...	Chesapeake Watershed (CHWA)	National Park Service	University of Maryland Center for En...
	CWCESU Expert Database...	Unpublished	FRRE01 / F...	Chesapeake Watershed (CHWA)	U.S. Forest Service	University of Maryland Center for En...
	Evaluating the consequen...	Unpublished	FRRE40	Chesapeake Watershed (CHWA)	U.S. Forest Service	University of Maryland Center for En...
	Baseline Water Resource I...	Unpublished	J-3097-03-1...	Chesapeake Watershed (CHWA)	National Park Service	University of Maryland, College Park
	Inventory and Monitoring ...	Unpublished	J-3097-03-1...	Chesapeake Watershed (CHWA)	National Park Service	University of Maryland, College Park



As of SEP 2021...

- Unique Partners = 495
- = 70.7% IHE, 26.8% NGO, 2.5% Govt
- Enrollments in CESUs = 749



2022 CESU Network Meetings

CESU Network National Meeting

✓ **When?** – 20-23 June 2022

Chesapeake Watershed CESU Partner Meeting

✓ **When?** – 24 June 2022

✓ **Where?** – U.S. Fish and Wildlife Service,
National Conservation Training Center,
Shepherdstown, WV

✓ **How?** – In-person and remote participation



Source: FWS



Source: TFFish

Questions?



Source: State Dept.