



# Welcome to the 2022 CNHP Partners' Meeting!



Conserving Biodiversity in a Changing Colorado

Lory Student Center Grand Ballroom D  
8:00-4:00 March 11, 2022

Wifi Network: csu-guest

# Welcome and Introductions

- COVID 19
- Bathrooms
- Lactation Rooms
- AEDs

Wifi Network: csu-guest





# CSU Land Acknowledgment- Anessa Keys





# Agenda

8:00-9:00	Sign in, coffee, snacks, networking
9:00-9:15	Welcome, CSU land acknowledgment, meeting overview: David G. Anderson and Anessa Keys
9:15-9:25	Welcome from Dr. John Hayes, WCNR Dean
9:25-9:40	Who are we? Growing our Social Network
9:40-10:10	Program Updates- Drew Rayburn, Dave Klute, Linda Lidov, Greg Deranleau
10:10-10:25	Break
10:25-10:45	Botany/Vegetation Ecology
10:45-11:05	Conservation Planning
11:05-11:25	Zoology
11:25-11:45	Wetlands
11:45-12:05	Conservation Data Services
12:05-1:00	Catered lunch (taco bar)
1:00-1:25	CODEx update
1:25-4:00	Workshop: The Next 10 Years of Conservation- Carrie Bennett
4:00-7:00	Happy Hours at the Ramskeller





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# Time Keeper



Susan Panjabi





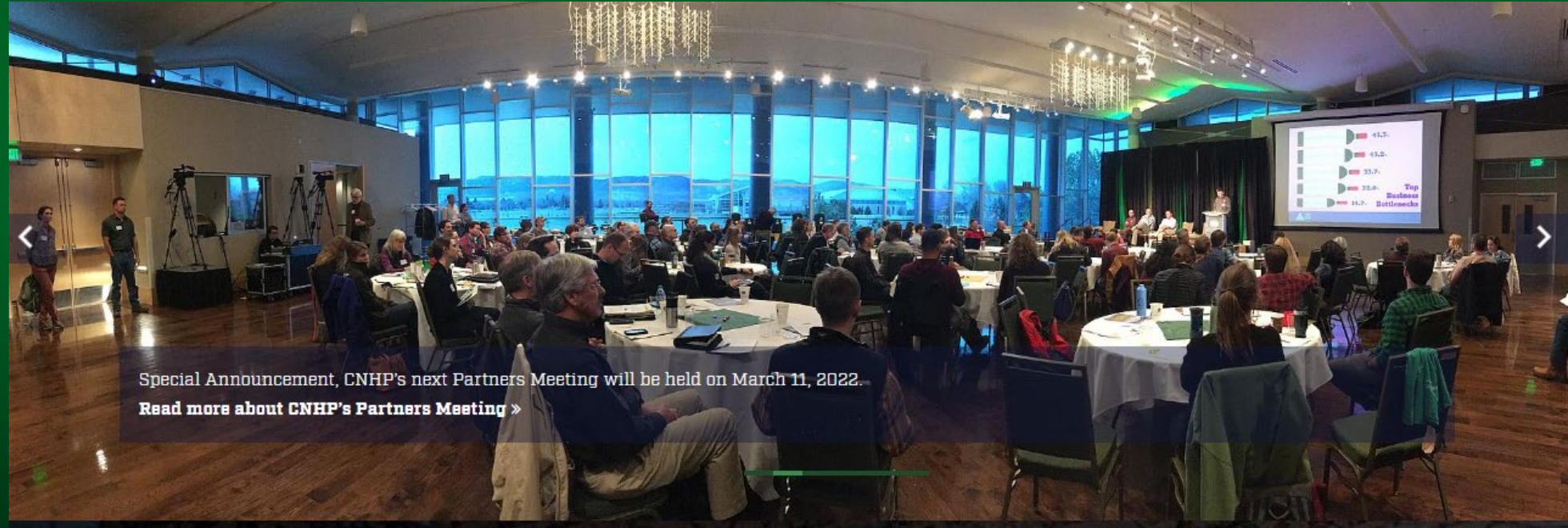
# Acknowledgments

- John Hayes, WCNR Dean
- All of our speakers today
- CNHP Staff
- Bryce Maxell, Allan Cox, Gary Beauvais
- Carrie Bennett
- CSU Conference Services- Jessica, Ashleigh, Andrew, and our catering and event staff
- CSU Students
- Our donors
- And of course, you!



# The Partners' Meeting

- 1<sup>st</sup> Partners Meeting: January 14, 2014
  - 75 in attendance
  - 32 organizations
- 2<sup>nd</sup> Partners Meeting: January 14, 2016
  - 141 RSVPed
  - 63 organizations
- 3<sup>rd</sup> Partners Meeting: March 9, 2018
  - 153 RSVPed
  - 68 organizations
- 4<sup>th</sup> Partners Meeting: March 10, 2020
  - 146 RSVPed
  - 55 organizations
- 5<sup>th</sup> Partners' Meeting: March 11, 2022
  - 138 RSVPed
  - 49 organizations



# Purpose of Today's Meeting

- Connect the key members of Colorado's Conservation Community
- Provide a forum for communication across conservation efforts
- Enhance our collective effectiveness (networking, de-siloing, leveraging)
- Highlight successes and important developments
- What priorities can we address together, and how can we do that?



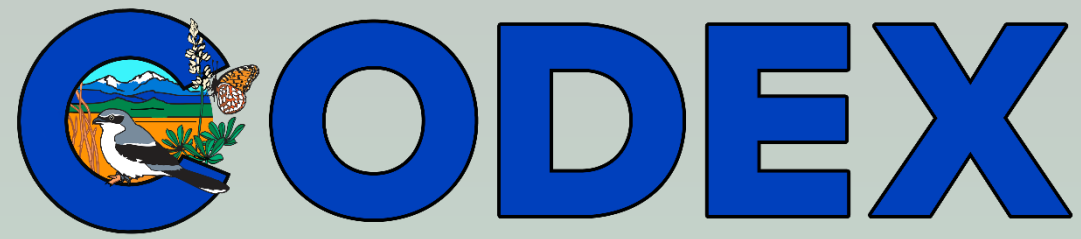


# Celebrations



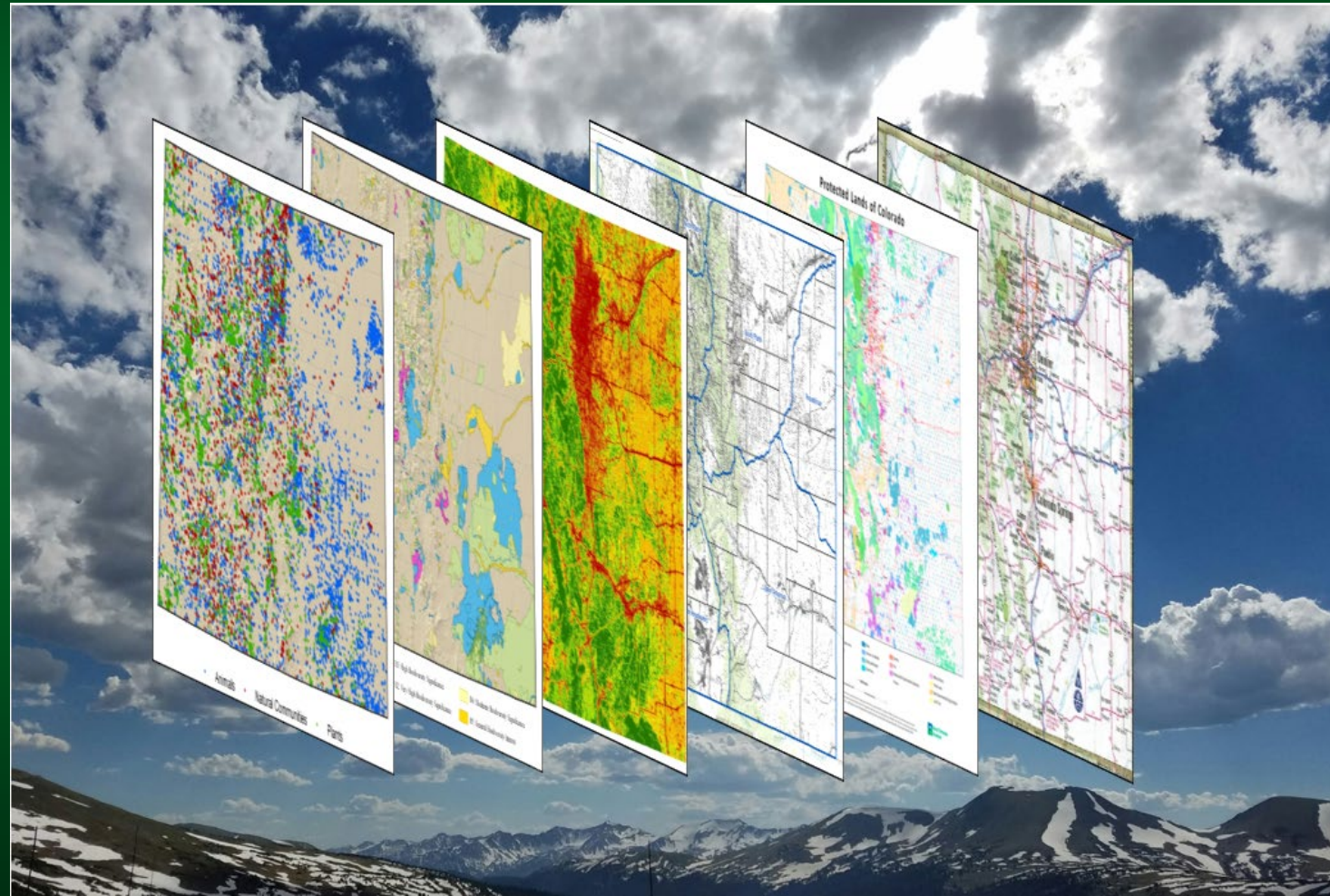
**LIVE LIFE  
OUTSIDE**





**Colorado's Conservation Data Explorer**

CODEX launched  
on November 1,  
2021!



<https://codex.cnhp.colostate.edu>





# Celebrations

## March is Women's History Month

Alice Eastwood



Public Domain Image- Wikimedia Commons

Ruth Ashton Nelson

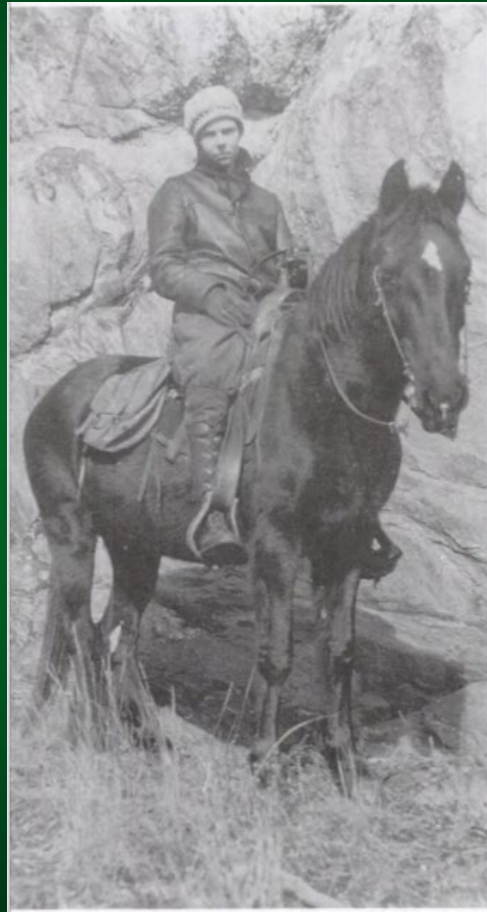


Photo from The Magnificent Mountain Women courtesy of Janet Robertson

Bettie Willard



Photo from NPS  
[https://www.nps.gov/articles/parkscience2\\_2\\_68-69\\_ashton\\_et\\_al\\_3840.htm](https://www.nps.gov/articles/parkscience2_2_68-69_ashton_et_al_3840.htm)

Ann Haymond Zwinger



Photo from Ann's Obituary-  
Colorado Springs Gazette  
<https://obits.gazette.com/obituaries/gazette/obituary.aspx?n=ann-haymond-zwinger&pid=172384209>





# Celebrations

March 8: International Women's Day



**Press release: International Women's Day celebrates the contribution of women and girls as climate solution multipliers**

8 MARCH 2022



# CNHP is part of CSU, and part of the NatureServe Network

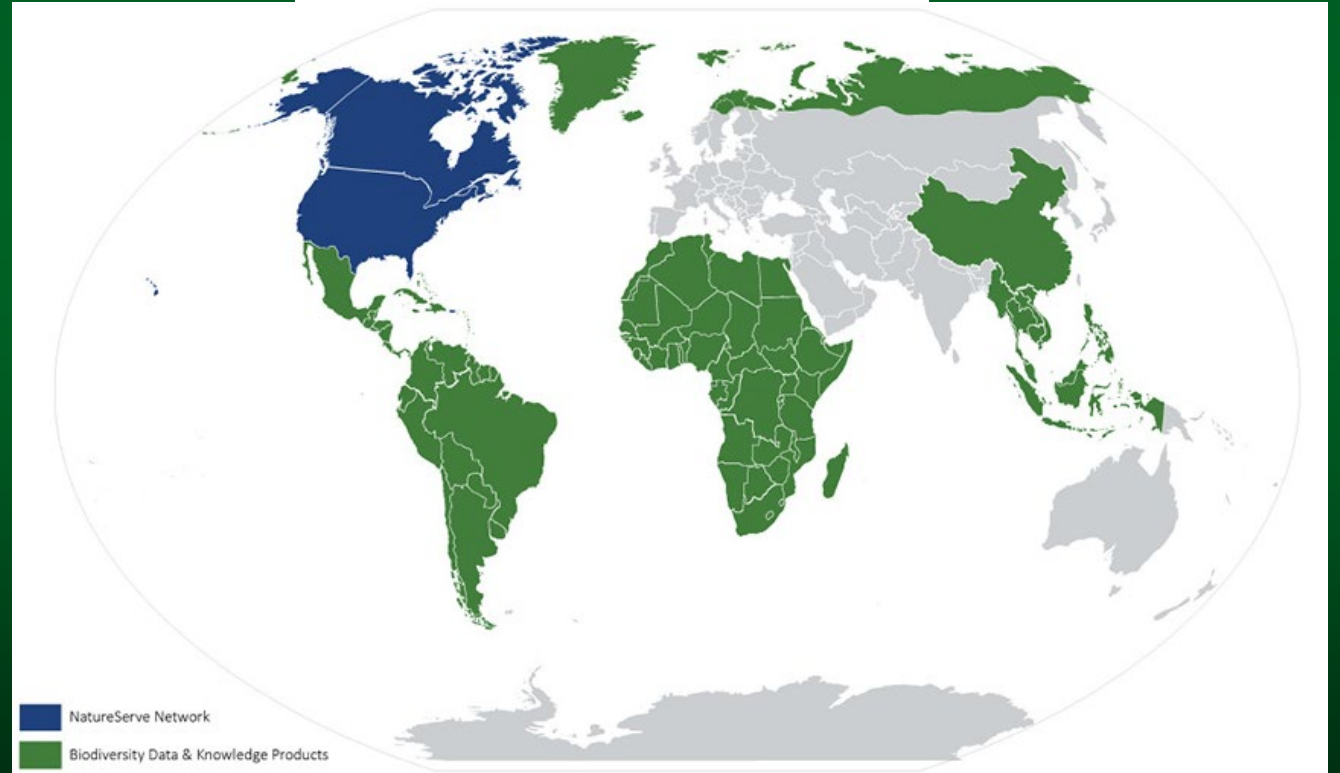
Colorado  
State  
University



WARNER COLLEGE  
OF NATURAL RESOURCES  
COLORADO STATE UNIVERSITY



NatureServe  
Network Program



■ NatureServe Network  
■ Biodiversity Data & Knowledge Products

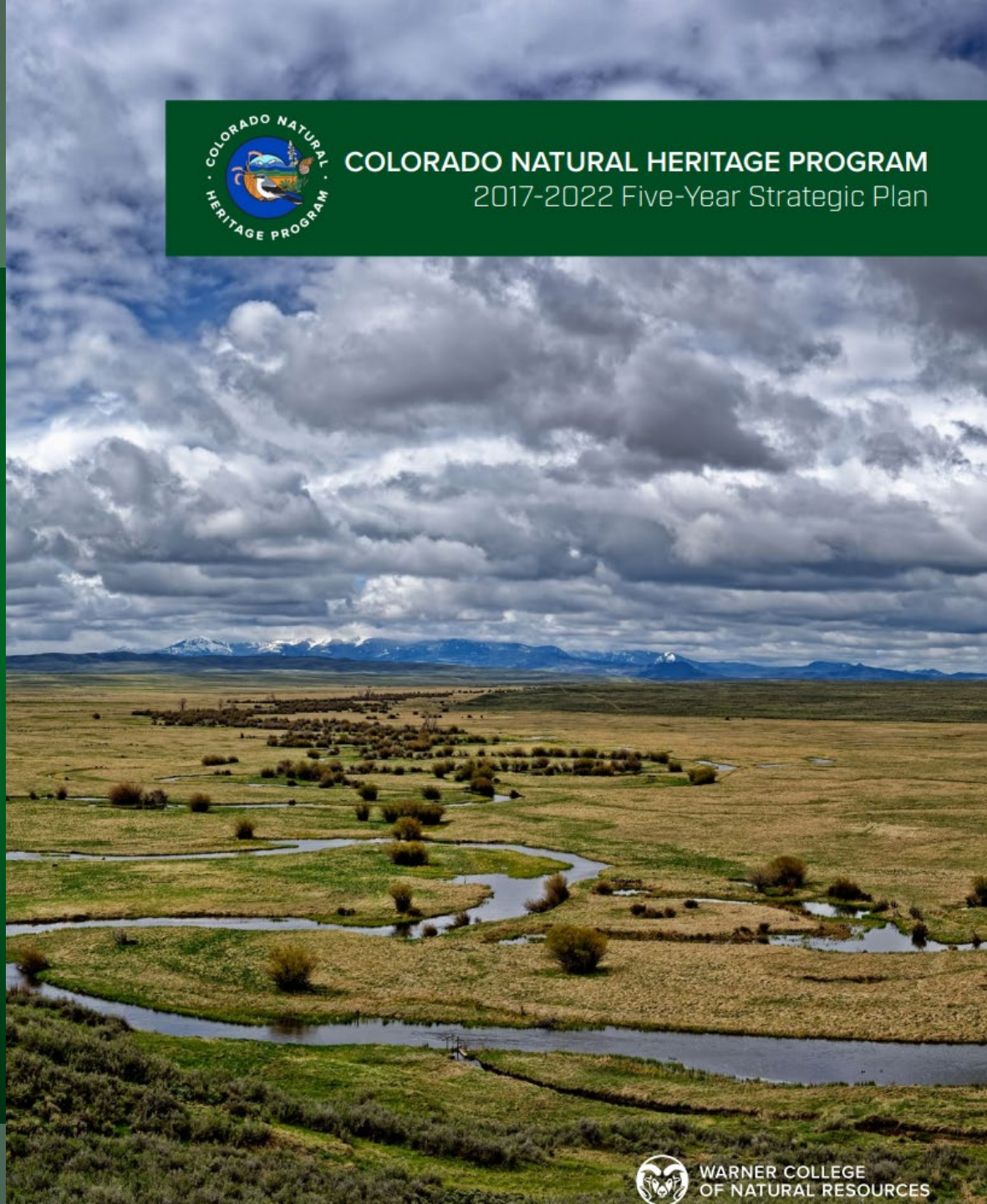


# Our Mission Statement

*We advance the conservation of Colorado's native species and ecosystems through science, planning, and education for the benefit of current and future generations*



COLORADO NATURAL HERITAGE PROGRAM  
2017-2022 Five-Year Strategic Plan

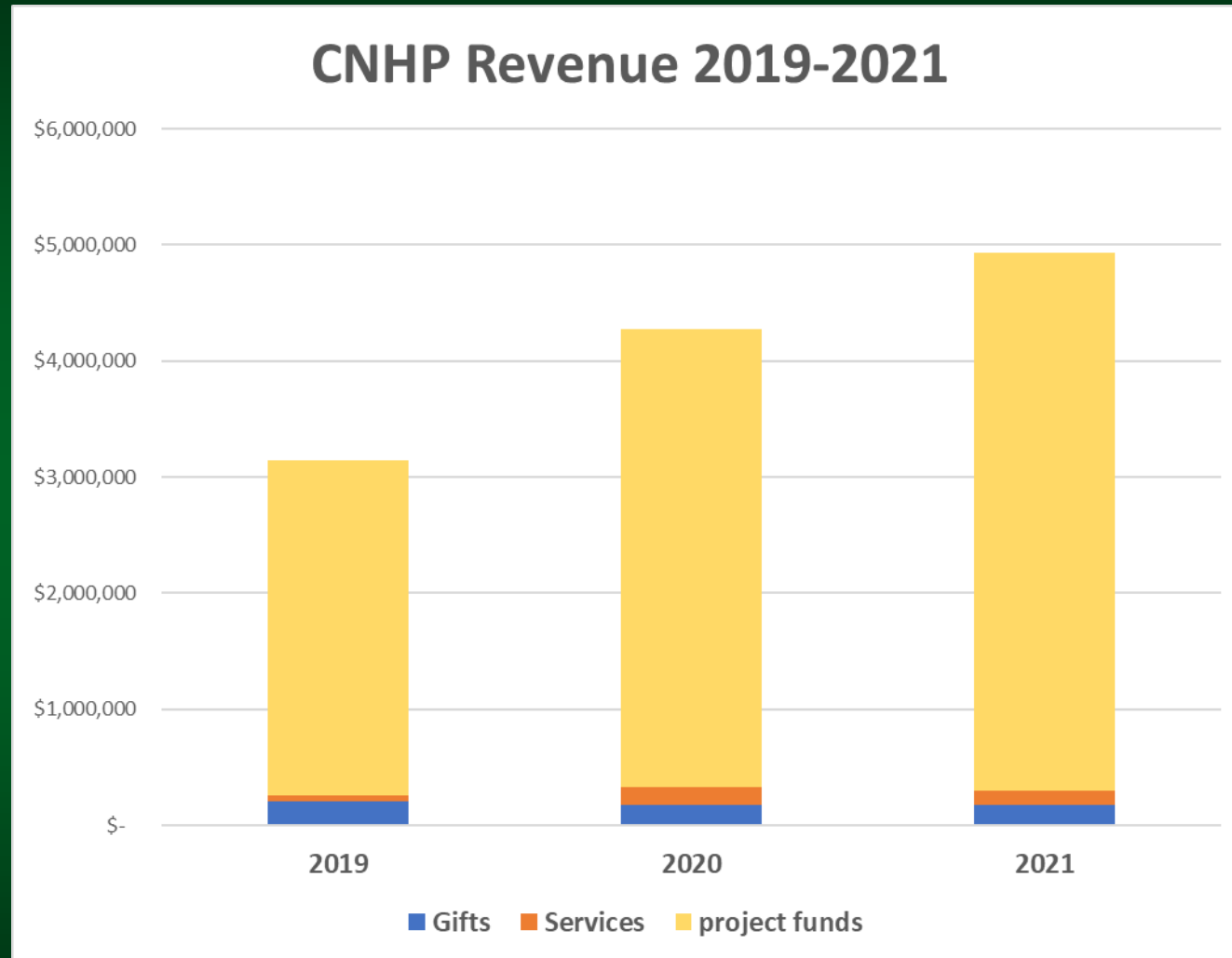


WARNER COLLEGE  
OF NATURAL RESOURCES





# CNHP Funding





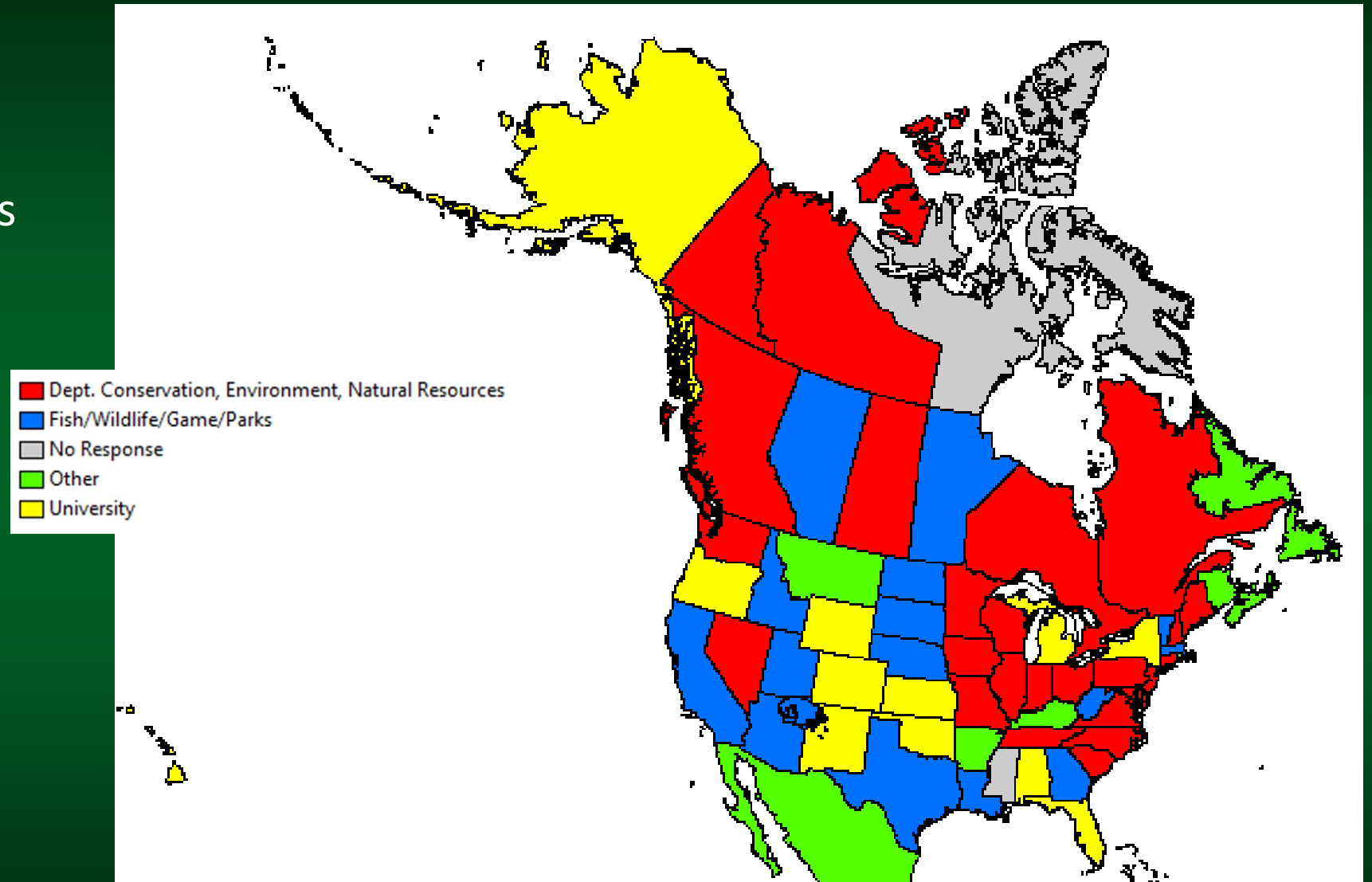
# CNHP Statewide Data Partnerships

- Statewide data partnerships:  
total \$122,000
  - CDOT
  - NRCS
  - BLM
  - USFS
  - TNC
  - SLB
  - USFWS Section 6
  - CNAP rare plants
  - Chevron (partial state)



# CNHP is...

- One of 12 U.S. Heritage Programs that is based at a University
- Soft funded
- We have a very small amount of dedicated annual core funding



courtesy B. Maxell MTNHP





## With Dedicated Annual Core Funding we will:

- Massively expand the data and services we provide
- Maintain and enhance the data
- Conduct investigations of priority species, landscapes, and systems
- Expand support for climate change management
- Host an Interagency Wetland Council for Colorado
- Create special reports including an annual State of the State Report for Colorado Conservation
- Make maps and conduct analyses for Colorado's municipalities, governor, legislature, and counties
- Support the core leadership team
- Support statewide planning efforts





Please share your ideas!



# Welcome from WCNR Dean John Hayes





# Who are we?





# Retirees



Karin Decker

Renée  
Rondeau



Denise Culver





# Retirees



Karin Decker  
(Saying she is)

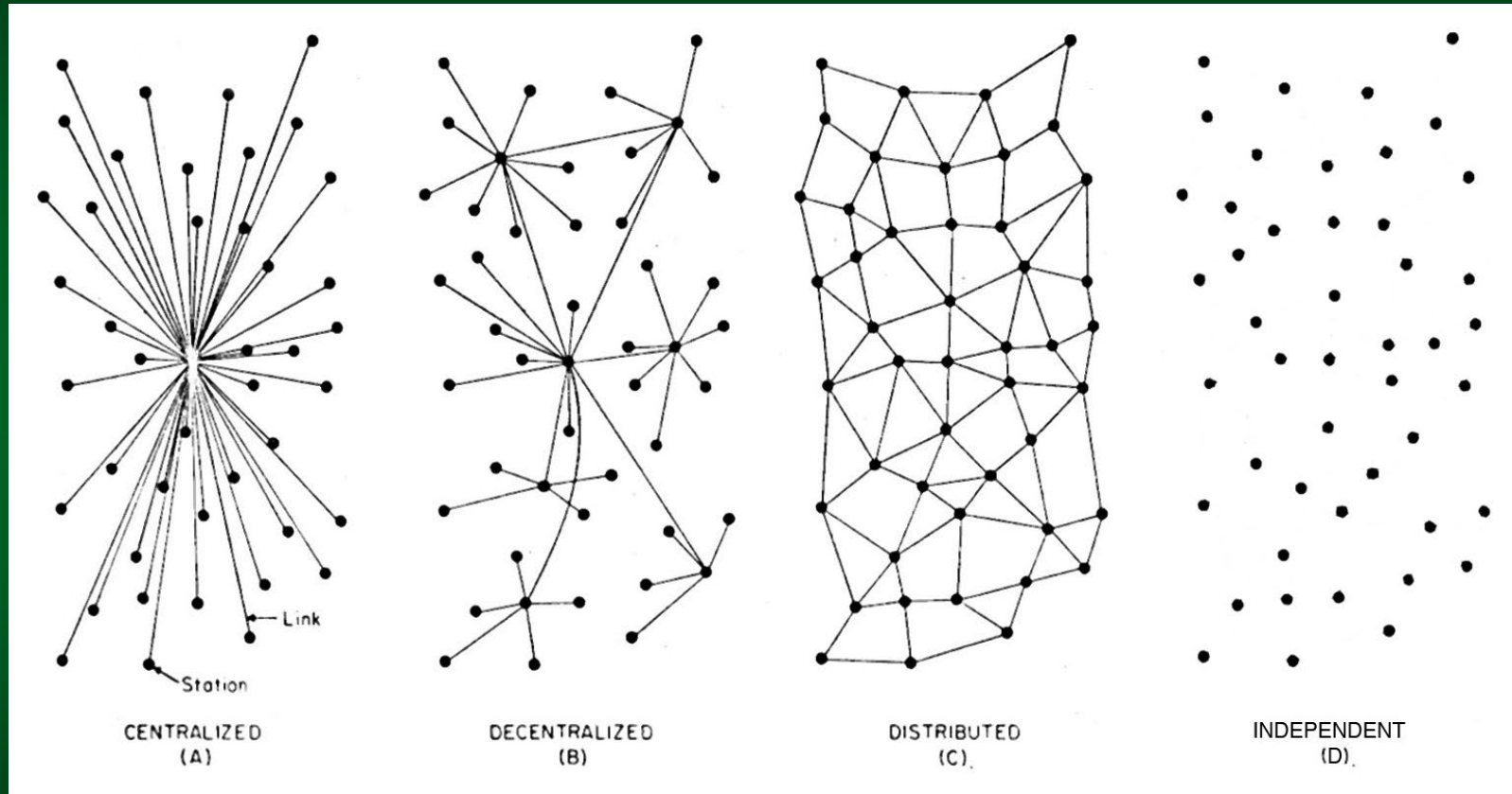
Renée  
Rondeau  
(not actually)



Denise Culver  
(Mostly)



# Topology of Social Networks

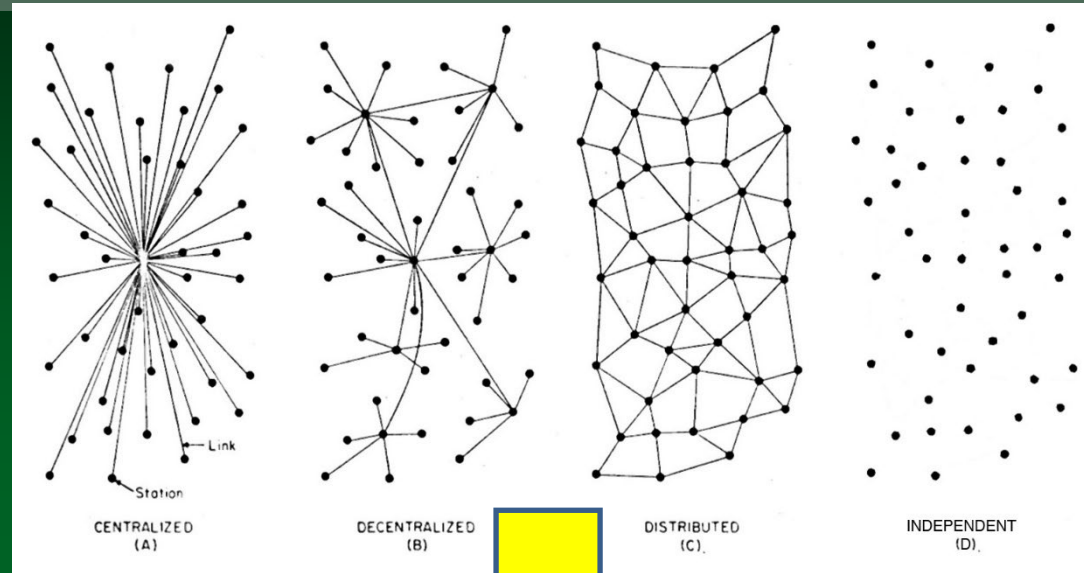


Baran, P. 1964. On Distributed Communications

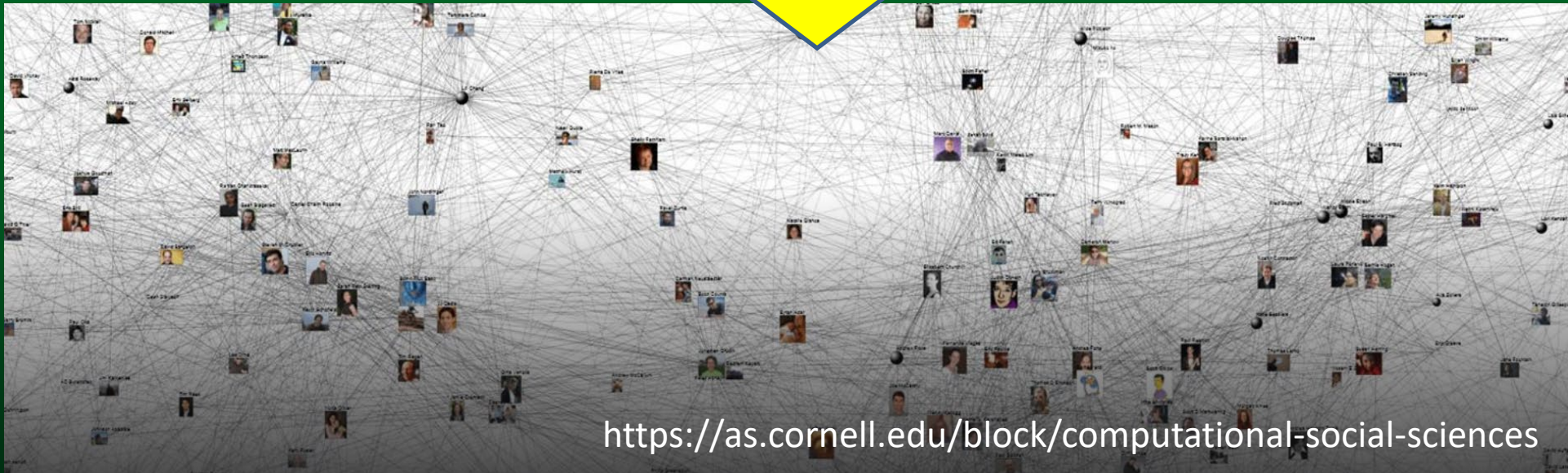




# Topology of Social Networks



Baran, P. 1964. On Distributed Communications



<https://as.cornell.edu/block/computational-social-sciences>



# Linda Hamilton Conserving Colorado Award Undergraduate Research at CNHP

2014: Callie Puntenney (MS BSU)

2015: Rachel Maison (PhD CSU)

2016: Blaise Newman (MS Clemson, PhD UGA)

Tristan Kubik (PhD UTexas)

Savannah Smith (CNAP)

2017: Kira Paik (MS CSU)

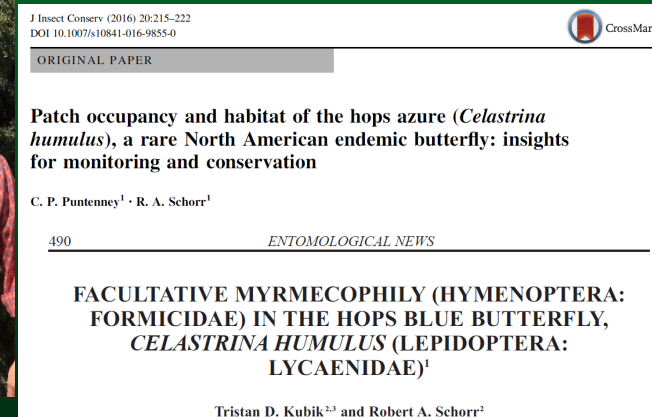
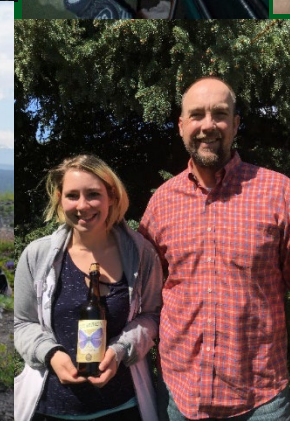
Toryn Walton

2018: Nina Phillips

2019: Emily Fitzjohn

2020: Tori Applehans

2021: Hallie Nolan





# 2020 Siegele Conservation Science Interns





# 2021 Siegele Conservation Science Interns

L to R Back row:

- Spencer Varga
- Chris McCormick
- Marin McDonald
- Rachel Jackson \*
- Tai Mei Chang
- Anessa Keys
- Emma Sudbeck
- Majesty Bordner
- Tierra Stansbury
- Sara Vidars

L to R Front Row:

- Sylvia Henry\*
- Emma Thompson
- Robert Monahan
- Jack Czajka

(\*=honorary)







# Service Learner Students at CNHP

## 2021 ESS 440 Service Learners

<u>Carbon Challenge:</u>	Mateo Montelongo
<u>Mentor: David</u>	Cody Sanford
<u>Anderson</u>	Fredie Haberecht
Alex Kah	Jake Cautilli
Chris McCormick	Maxx Ives
Lindsay Cocotis	<u>CODEX:</u>
Pierce Graves	<u>Mentors: Emma</u>
Faith Kelly	<u>Balunek, Michael</u>
Maryam Tidjani	<u>Menefee</u>
<u>Beavers in the City:</u>	Tara Atwood
<u>Mentor: Sarah</u>	Tess Scarborough
<u>Marshall</u>	Desmond Evans
Claire Silvestre	Sonali Chokshi
Lizzy Fanning	Clarissa Koch
	Reynold Liu

## 2021 ESS 501 Service Learners

<u>CSU System Lands Biodiversity:</u>
<u>Mentors: Jessica Smith, Tom</u>
<u>Baldvins, Andrea Schuhmann</u>
Mikaela Richardson
Maroo Kim
Connor McCarty
Daniel Lansidel
Katiana Garcia

## 2022 ESS 440 Service Learners

<u>Bobcat Ridge:</u>	<u>CSU System Lands</u>
<u>Mentor: Tom Baldvins</u>	<u>Biodiversity:</u>
Sam Britton	<u>Mentors: Jessica Smith,</u>
Blake Buhrer	<u>Emma Balunek</u>
Katrina Gilman	Tierra Stansbury
Katelyn Heinsma	Ben Walker
Kristin Karshinski	Dasha Petrova
Kaleigh Kennedy	Emma Enebo
Anna Montesanti	Jack Martinus
Kendall Murphy	Owen Eastberg
	Spencer Varga
	Avery Schell





# CNHP Volunteer of the Year Award

2020

Chuck Harp

Mike Hoening

Gordon Rodda



2021

Dina Clark

Audrey Boag

Ernie Marx





# Program Updates 9:40-10:10

**Drew Rayburn, TNC**

**Linda Lidov, KIC**

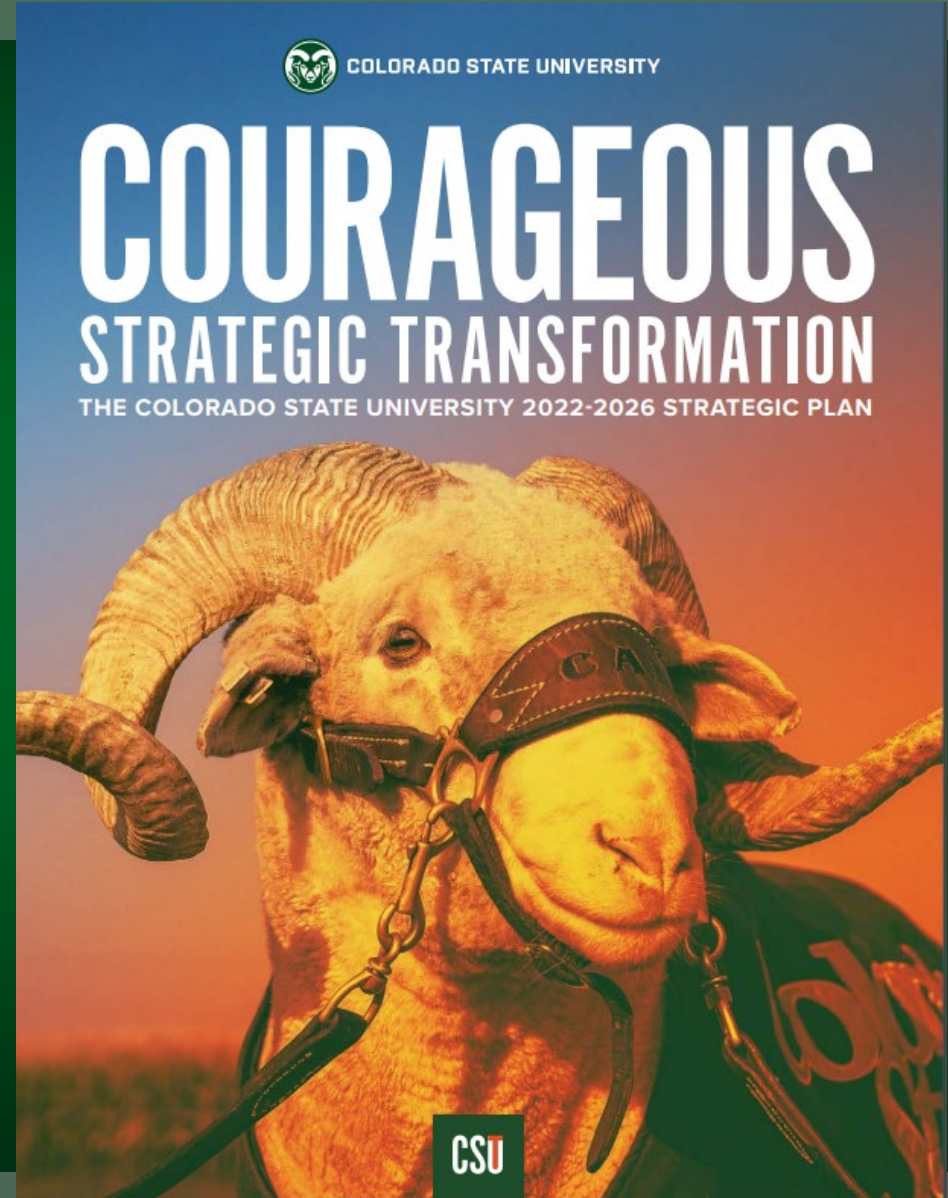
**Dave Klute, CPW**

**Greg Deranleau, COGCC**





# Program Updates



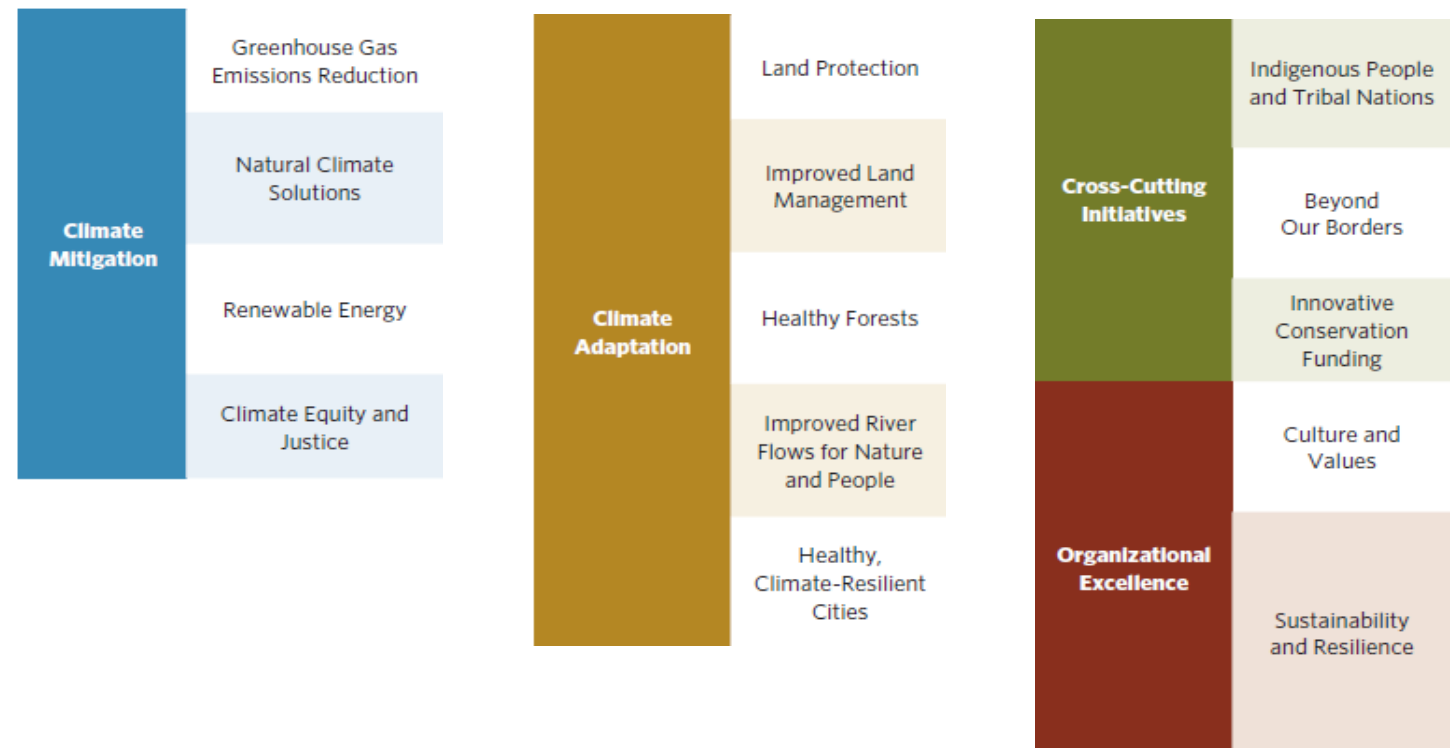
# TNC's 2021-2026 Strategic Plan



COLORADO  
Strategic Plan 2021-2026

## Shifting the Conservation Framework

The world is facing the dual crises of rapid climate change and unprecedented loss of native plants and wildlife. To achieve our mission, we must address both these problems. The next decade will be decisive for our planet and for all the living things that call it home.

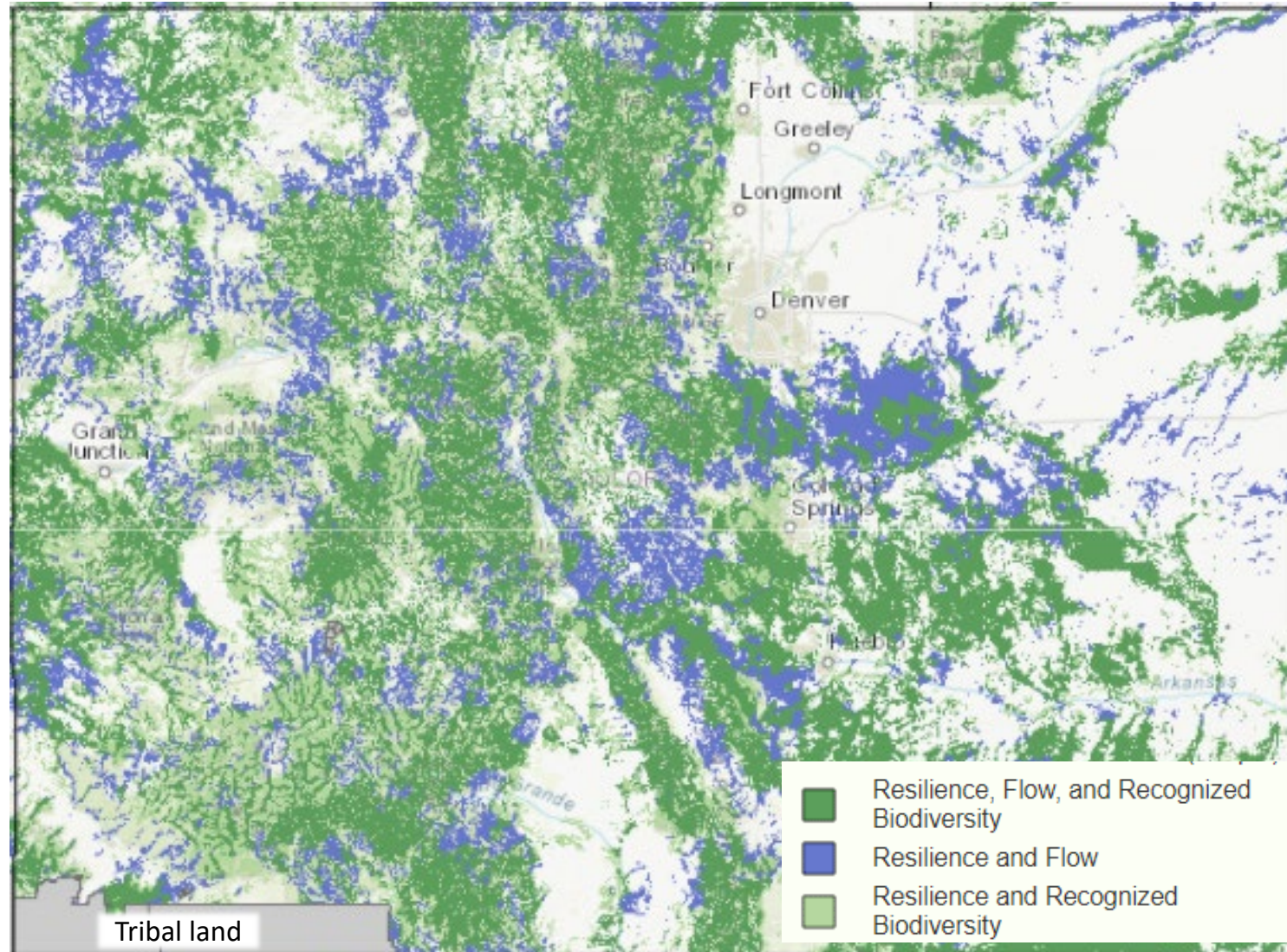




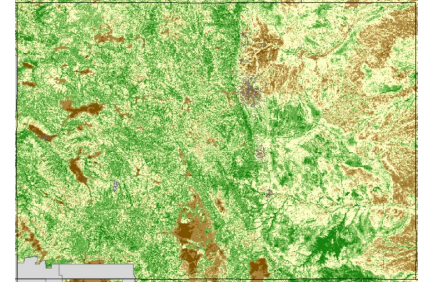


# Resilient & Connected Network

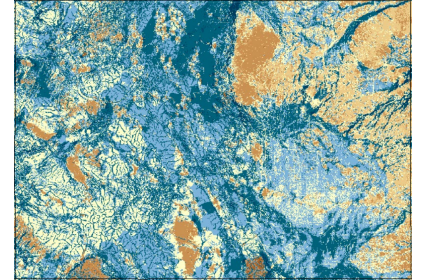
*Foundation for Accelerating Climate-Resilient Conservation in Colorado*



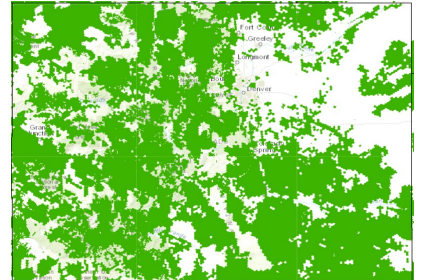
Site Resilience



Climate Flow/Connectivity



Recognized Biodiversity







# TNC and CNHP

## *Recent and Current Collaborations*

- Application of Resilient and Connected Network (RCN) Analysis
- Conservation planning for Fishers Peak State Park
- Rollout of CNHP's Colorado Data Explorer (CODEX)
- Integration of Colorado Ownership, Management, and Protection (COMaP) dataset in statewide conservation planning





# TNC and CNHP

## *Recent and Current Collaborations*

- Statewide Private Land Conservation Plan (Keep It Colorado)
- Metro Denver Regional Conservation Assessment
- State Natural and Working Lands Task Force
- Restoration prioritization and assessment in Gunnison Basin



# TNC and CNHP

## *Potential Future Collaborations*

- Increased spatial analysis and data visualization capacity
- Climate-resilient management of TNC Preserves
- Update of Colorado Biodiversity Scorecard
- Statewide conservation prioritization (RCN, CODEX, COMaP)
- Site surveys and biological inventories

