



Welcome to the 2020 CNHP Partners Meeting!



Lory Student Center Grand Ballroom D
8:00-4:30 March 10, 2020

Wifi Network: csu-guest

Welcome and Introductions

- COVID 19
- Bathrooms
- Lactation Rooms
- AEDs

Wifi Network: csu-guest



Welcome and Introductions

- Overview of the day, land acknowledgment, meeting purpose
- Welcome from Dean Hayes
- Intro around the room
- Meet your neighbor
- Meet our students and volunteers



CSU Land Acknowledgment- Griselda Landa-Posas



Agenda

- | | |
|--------------|--|
| 8:00-9:00 | Sign in, coffee, snacks, networking |
| 9:00-9:15 | Welcome, CSU land acknowledgement, meeting overview:
David G. Anderson and Griselda Landa-Posas |
| 9:15-9:25 | Welcome from Dr. John Hayes, WCNR Dean |
| 9:25-9:45 | Who are we? Growing our Social Network |
| 9:45-11:00 | Panel: Are we loving (and recreating) Colorado to death? |
| 11:00- 11:20 | Break |
| 11:20-12:00 | CNHP Updates |
| 12:00-1:00 | Catered lunch (taco bar) and CNHP 40 th birthday party |
| 1:00-1:45 | CNHP Updates |
| 2:00-3:45 | Workshops/ Discussion Groups |
| 3:50-4:30 | Partners Meeting Wrap-up |
| 4:30-7:00 | Happy Hour at the Ramskeller |



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Time Keeper

Rob Schorr



Acknowledgments

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



The Partners Meeting

- 1st Partners Meeting:
January 14, 2014
 - 75 in attendance
 - 32 organizations
- 2nd Partners Meeting:
January 14, 2016
 - 141 RSVPed
 - 63 organizations
- 3rd Partners Meeting:
March 9, 2018
 - 153 RSVPed
 - 68 organizations
- 4th Partners Meeting:
March 10, 2020
 - 146 RSVPed
 - 55 organizations



Colorado Natural Heritage Program

About Us ▾

Our Work ▾

Our Services ▾

Our Data ▾

Maps ▾

Library ▾

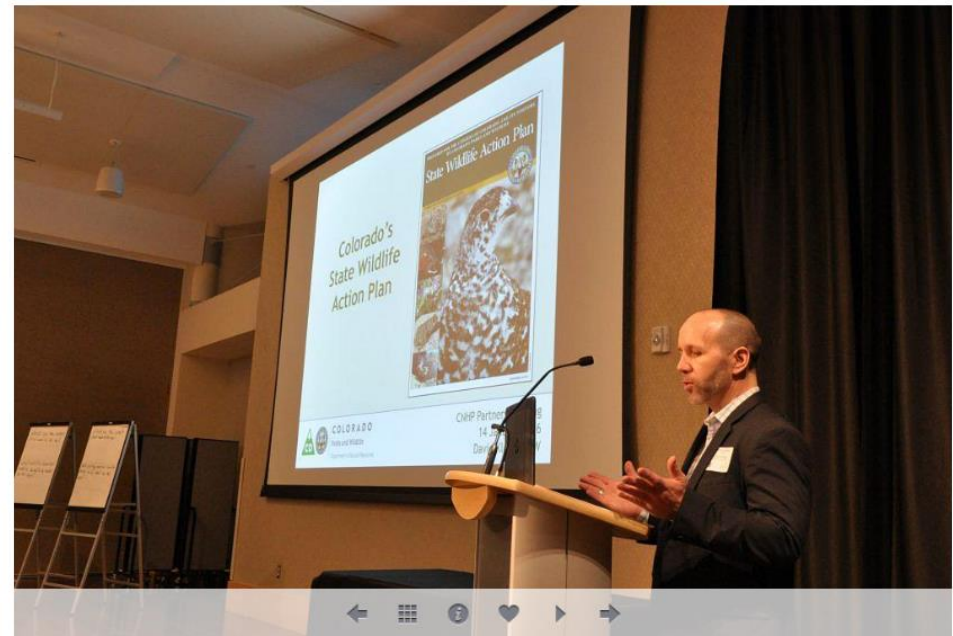
Click a link below for details on current and past meetings.

✓ 2018 CNHP Partners Meeting

✓ 2016 CNHP Partners Meeting

✓ 2014 CNHP Partners Meeting

The CNHP Partners Meeting is a forum for communication across Colorado's conservation organizations. Our intention in hosting this meeting is to bring our community together to strengthen our collective network, build connections that make us all more effective, and identify priorities that we can address together. For a full conference schedule for the 2018 meeting, please see below.



Purpose of Today's Meeting



Purpose of Today's Meeting

Farewell Kelly Anderson!



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?



Purpose of Today's Meeting

Happy 40th Birthday CNHP!!!



Our History as a 40 year old

- Founded in 1979 as Colorado Natural Features Inventory as part of Colorado DNR.
- 1992: TNC Established CNHP at the University of Colorado Museum, with Chris Pague as Director
- 1994: TNC assists with the move of CNHP to CSU, led by Rick Knight, Dave Armstrong, and Chris Pague

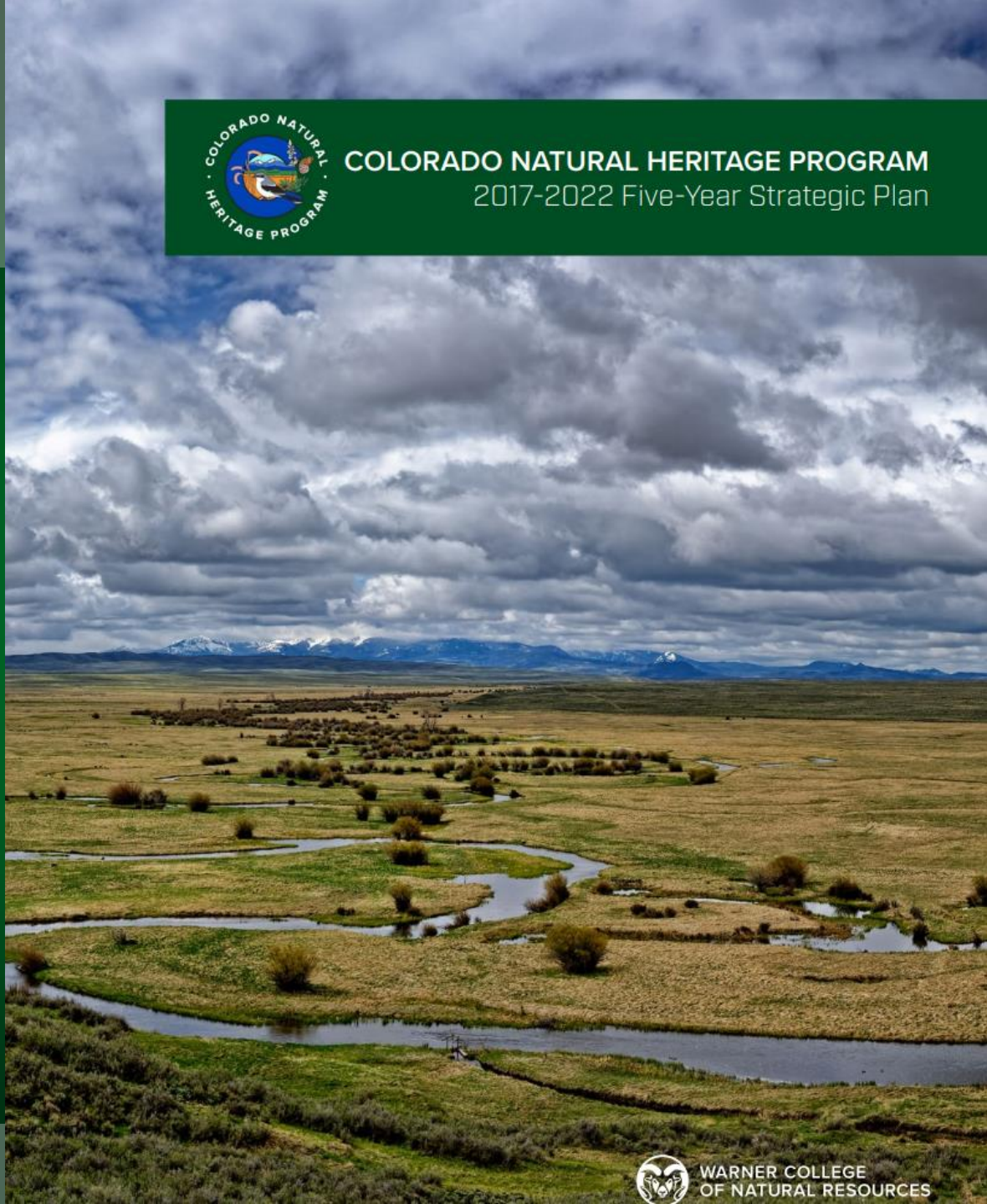


Our Mission Statement

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

We are part of the NatureServe Network



We are part of the NatureServe Network



A Network Connecting Science with Conservation

80+

NETWORK PROGRAMS
IN THE UNITED STATES,
CANADA, AND
LATIN AMERICA

OVER

1,000

CONSERVATION PROFESSIONALS

POWER
OF THE
NETWORK

www.natureserve.org

The Network collects, analyzes,
and distributes detailed scientific
data about plants, animals, and
ecosystems in their jurisdictions

70,000+

Species Assessed

1,600+

Ecosystems Mapped



Map of Our Reach

- Network Programs
- Major NatureServe Project Areas
- NatureServe Conservation Mapping Areas

OVER 6 MILLION
ANNUAL DATA
REQUESTS

11 INTERACTIVE
ONLINE DATA
TOOLS

OVER 1 MILLION
MAPPED LOCATIONS
OF AT-RISK SPECIES

OVER 2,000
SCIENTIFIC
PUBLICATIONS

OVER 5,000
PARTNER
ORGANIZATIONS

NETWORK-WIDE
BUDGET OF OVER
\$60 MILLION

0
LOBBYISTS

0
LAWYERS

WINNER OF THE MACARTHUR AWARD FOR CREATIVE AND EFFECTIVE INSTITUTIONS



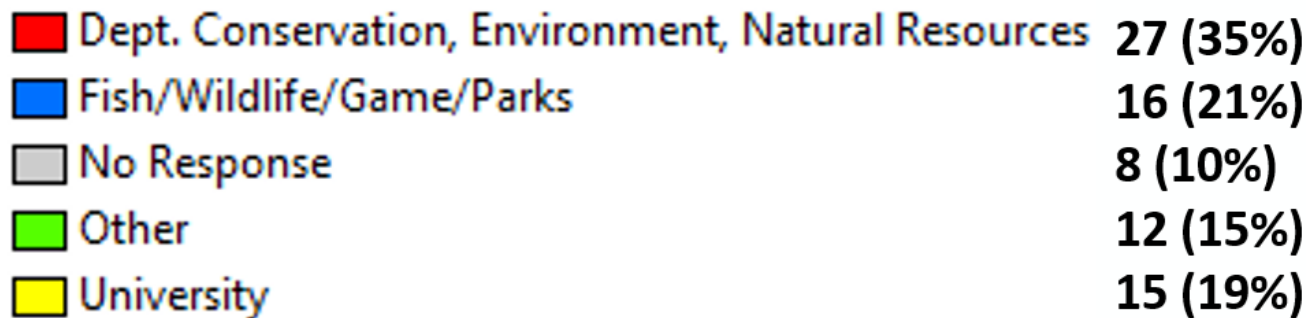


**We've played
foundational
roles in some
big things**



CNHP is...

- One of 15 Heritage Programs based at a University
- Soft funded
- We have a very small amount of dedicated annual core funding

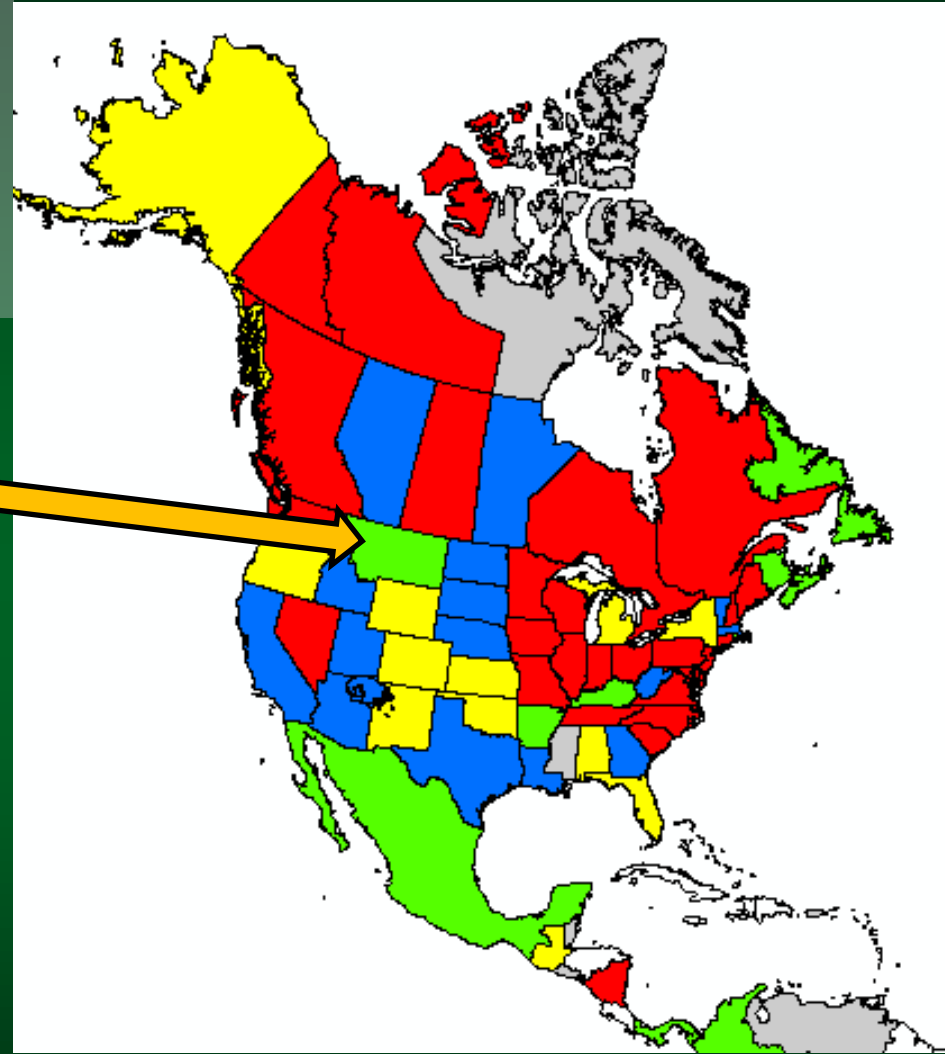


courtesy B. Maxell MTNHP



Dedicated Annual Core Funding in MT and WY in FY20

- MTNHP: \$463,739 from state general fund and five state agencies



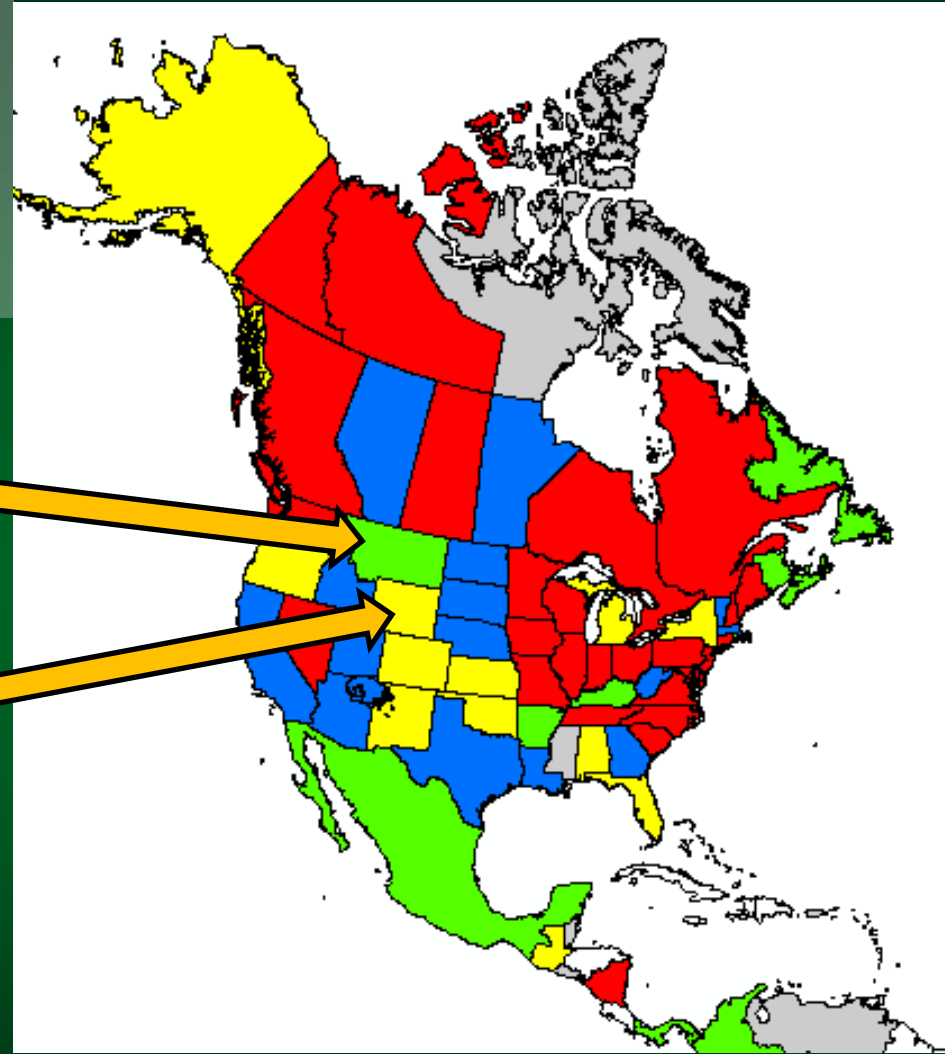
courtesy B. Maxell MTNHP



MT and WY in FY20

- MTNHP: \$463,739 from state general fund and five state agencies
- WYNDD: ~\$340,000 from state appropriated block grant

These fund core program operations, services, and staff



courtesy B. Maxell MTNHP and G. Beauvais WYNDD



With Dedicated Annual Core Funding we will:

- Conduct investigations of priority species, landscapes, and systems
- Host an Interagency Wetland Council for Colorado
- Provide more data and services
- 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



Please share your ideas!



Welcome from WCNR Dean John Hayes

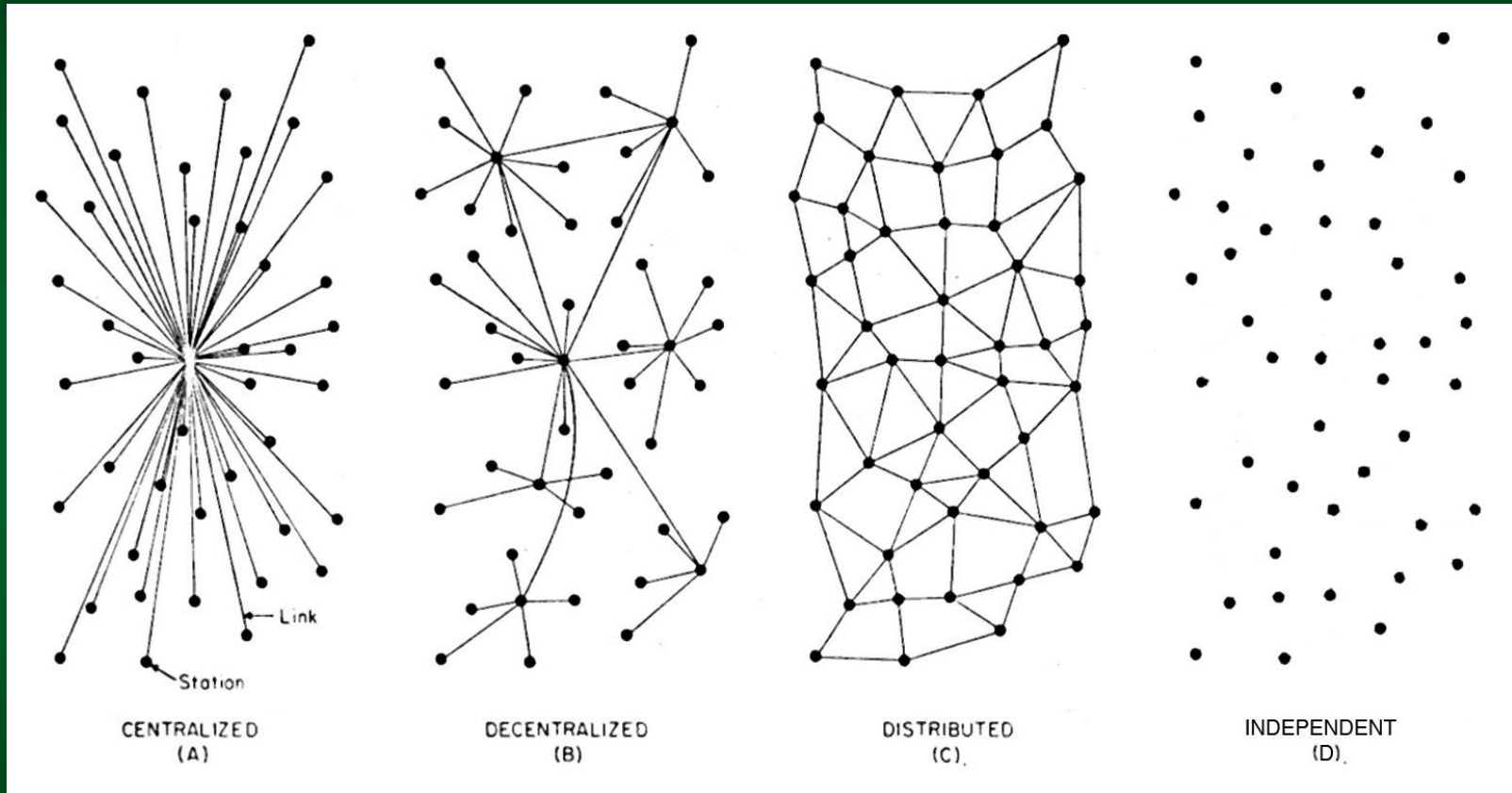
The Michael Smith Natural Resources Building Addition
Opening Fall 2018



Who are we?



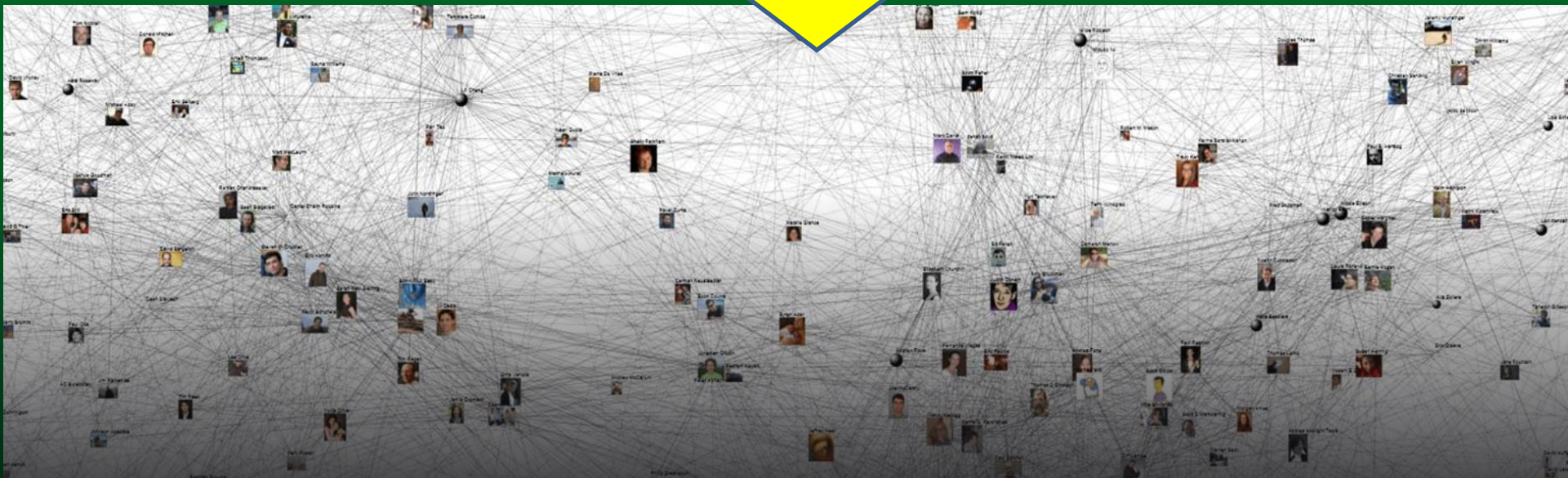
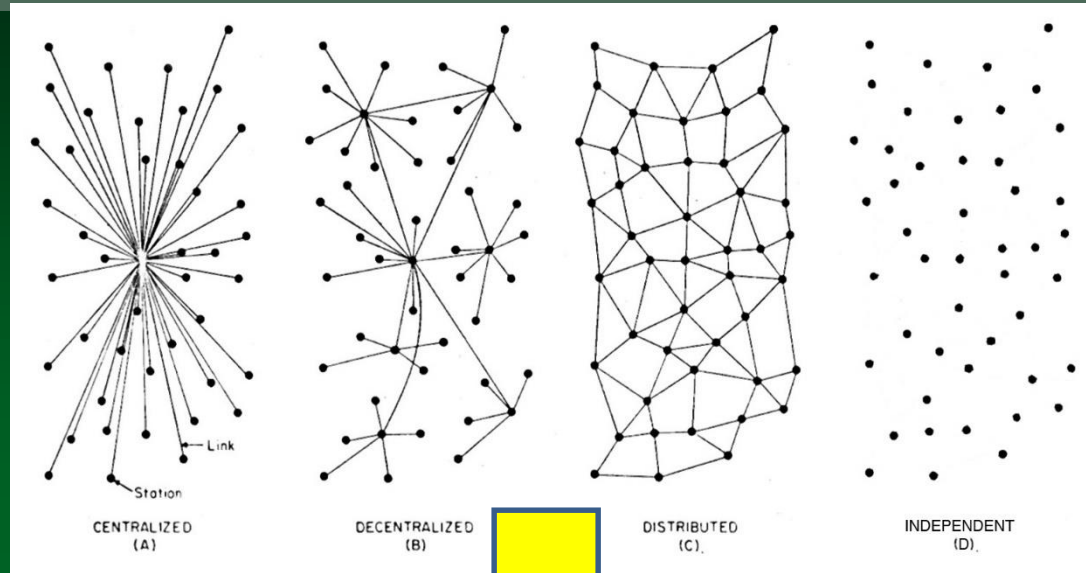
Topology of Social Networks



Baran, P. 1964. On Distributed Communications



Topology of Social Networks



Students and recent grads at CNHP

Emma Balunek

Alex Binkley

Elena Gratton

Griselda Landa-Posas

Terutaka Funabashi

Kyle Jackson

Renee Lile

Ilana Vargas

Rachel Jackson

Helena Bittner

Neal Swayze



The Linda Hamilton “Conserving Colorado” Award



Nina Phillips who did occupancy modeling and habitat characterization for the Ovenbird (submitted for publication *Southwestern Naturalist*)



Emily Fitzjohn doing distance sampling on Pagosa skyrocket



CNHP Siegele Conservation Science Interns 2018

L to R:

Mike McGinley

Austin Rosen

Hannah Jacobsen

Vinney Del Conte

Olivia Rautiainen

Colleen Hurst



CNHP Siegele Conservation Science Interns 2019

L to R:

Emma Balunek

Terutaka Funabashi

Elena Gratton

Griselda Landa-Posas

Renee Lile

Kyle Jackson

Alex Binkley

Diane and Bill Siegele



Service Learner Students at CNHP

2019 ESS 440 Service Learners

Drake Bruner	Hannah Harrison
Richie Ives	Daria Kramer
Brooks Lott	Ashley Visocky
Connor Lowndes	Calixto Arroyo
Danielle Palm	Emma Balunek
Taran Tucker	Olivia Doyle
Miles Austin	Ryan Johnson
Christine Liu	Leanne Makens
Norm Revere	Miles Wilson
Jianyi Tang	Nate Madison
Kevin Winget	Kari Rogers
Connor Anderson	Yanyu Wang
Tamera Breidenbach	Kang Wu

2020 ESS 440 Service Learners

Taylor Young	Evelyn Fish
Caley Ford	Heather Eaton
Abigail Blumenthal	Sam Hudgens
Sierra Rohlfs	Victoria Oliu
Ally Bormann	Nana Ueno
Connor Link	Stephanie Erickson
Johnny Parsons	Marissa Lopez
Austin Wei	Korissa Straub
Taylor Carlton	Matthew Henson
Damian Moya	Madison MacKenzie
Jake Dilliot	Rae Szymanski
Davis Rhodes	



Volunteers at Crazy French Ranch

Mia Anderson

Chrissy Cortez-Mathis

Sean Cortez-Mathis

Torrey Davis

Colby Mohler

Steve Olson



Volunteers at the 2019 Rifle Ranch Restoration Event

George Wear
Doug Winter
Jeff Kerber
Michael Craig
Michael, Kirsten and Branch Clancy
Charles Weber
Mariienne Sills
Maryanne Evans
Sage Kaufman
Chad New
Kate Hardaker
Francis Bell
Peyton, Brook, King and Reid Robison
Lorna Lentz
Andrea Gonzales
Angie Fowler
Jacob Fowler
Jacob Jones
Skye McConaughy

Betsy Gurman
Isabel Menchaca
April Hurtado
Fernanda Isabelle Gomez
Alexandra Owensby
Abdon Rivera
Gerret Pienaar
Nancy Hurtado
Zoey from Meeker
Adrian Fielder
Tim Jacobs
Pete Palmgren
Todd Gibson
Robert Jansen
Matt Wolfe
Bret Weaver
Josh Toney
Chris Aubrecht
Nick Nordlund



Other Volunteers at CNHP since 2018

Ann Grant

Cheyenne Laeske

Tyler Roberts

Valeria Aspenall

Lexie St. Denis

Abby Riley

Julia Marzalf

Terutaka Funabashi

Sara Fritsch

Hadley Hiebert

Jennifer Stevenson

Katie Gray

Hannah Jacobsen

Helena Bittner

Liz Bokram

Gay Austin

Cynthia Billings

Gordon Rodda

Duncan Rose

Steve Monroe

Boris Kondratieff

Chuck Harp

Dave Ruiter

Bill Prather

Emma Balunek

Alex Binkley

Renee Lile

Elena Gratton

Piper Boudart

Stacey Anderson

Emily Howe

Crystal Strouse

Gay Austin

Merrily Newcomb

Katherine Klein

Sarah Matsumoto

Wyatt Sassman

Natalie Norcutt

Marissa Hoffman

John Molera

Jessica Fagan

Clarissa Boberg-Greene

Carla DeMasters



CNHP Volunteer of the Year Award

2018

Cheyenne Laeske

Hannah Jacobsen

Tyler Roberts



2019

Emma Balunek

Alex Binkley

Elena Gratton

Renée Lile



Panel: Are we loving (and recreating) Colorado to death?

- Chris Pague, The Nature Conservancy, facilitator
- Dr. Courtney Larson, The Nature Conservancy
- Dr. Rick Knight, CO State University
- Crystal Dreiling, CO Parks & Wildlife, Fisher's Peak State Park Superintendent, and Chris Pague, TNC
- Tom Cardamone, Watershed Biodiversity Initiative



Panel: Are we loving (and recreating) Colorado to death?

- Dr. Courtney Larson, The Nature Conservancy



Panel: Are we loving (and recreating) Colorado to death?

- Dr. Rick Knight, CO State University



“Outdoor recreation is benign, isn’t it?”



- **On public lands**, second only to water development (Losos et al. 1995. *BioScience*)
- **On all lands**, is fourth behind invasive plants, urbanization, and agriculture (Czech et al. 2000. *BioScience*)

How Wildlife respond to humans

1. EVOLUTIONARY HISTORY and

2. LEARNED BEHAVIOR

“number & outcome of human interactions”



Attraction - strengthening of animal's response to rewards or reinforcement

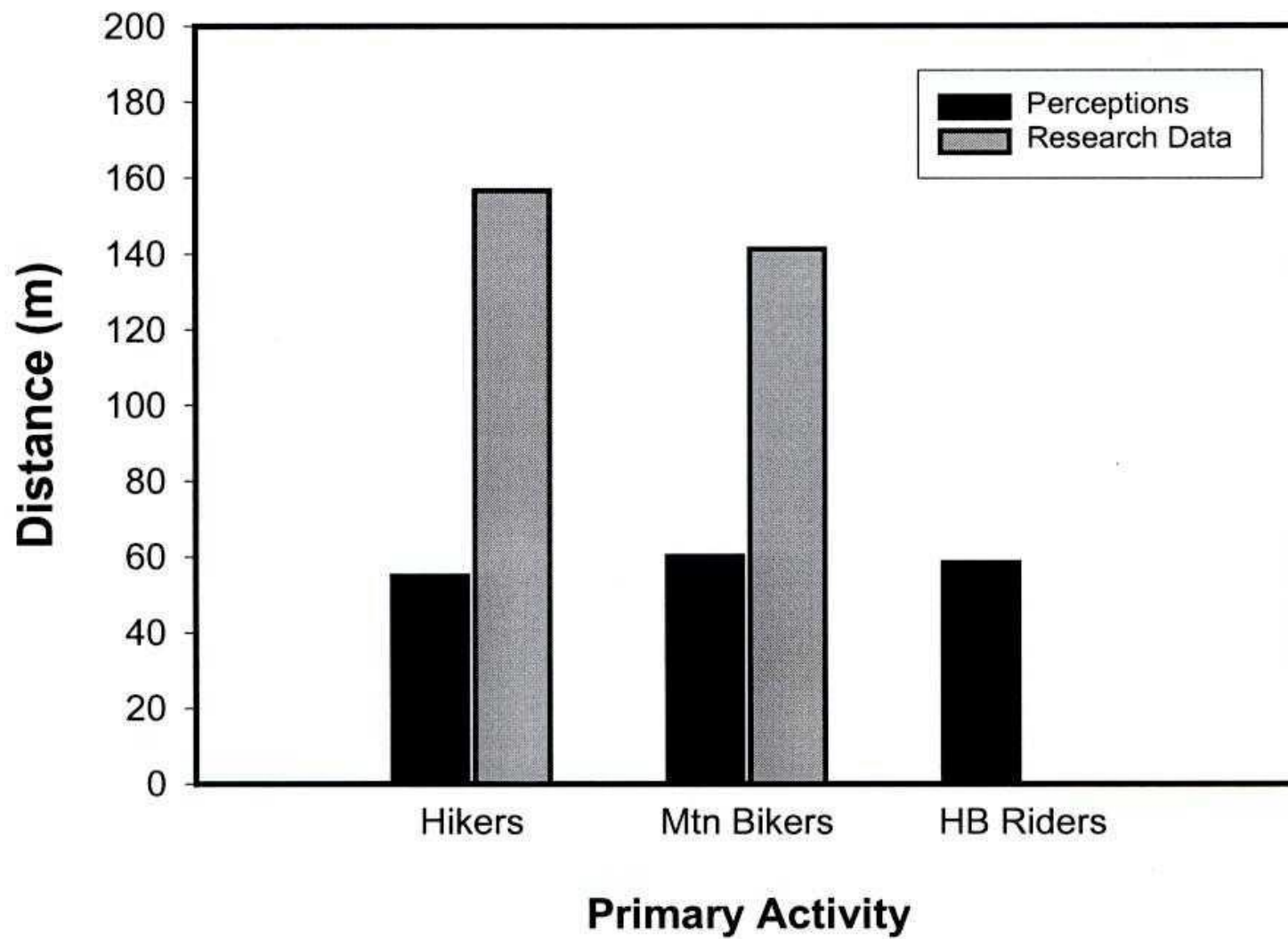
Aversion - strengthening of animal's response to negative stimuli

Habituation - waning of animal's response to repeated benign stimuli

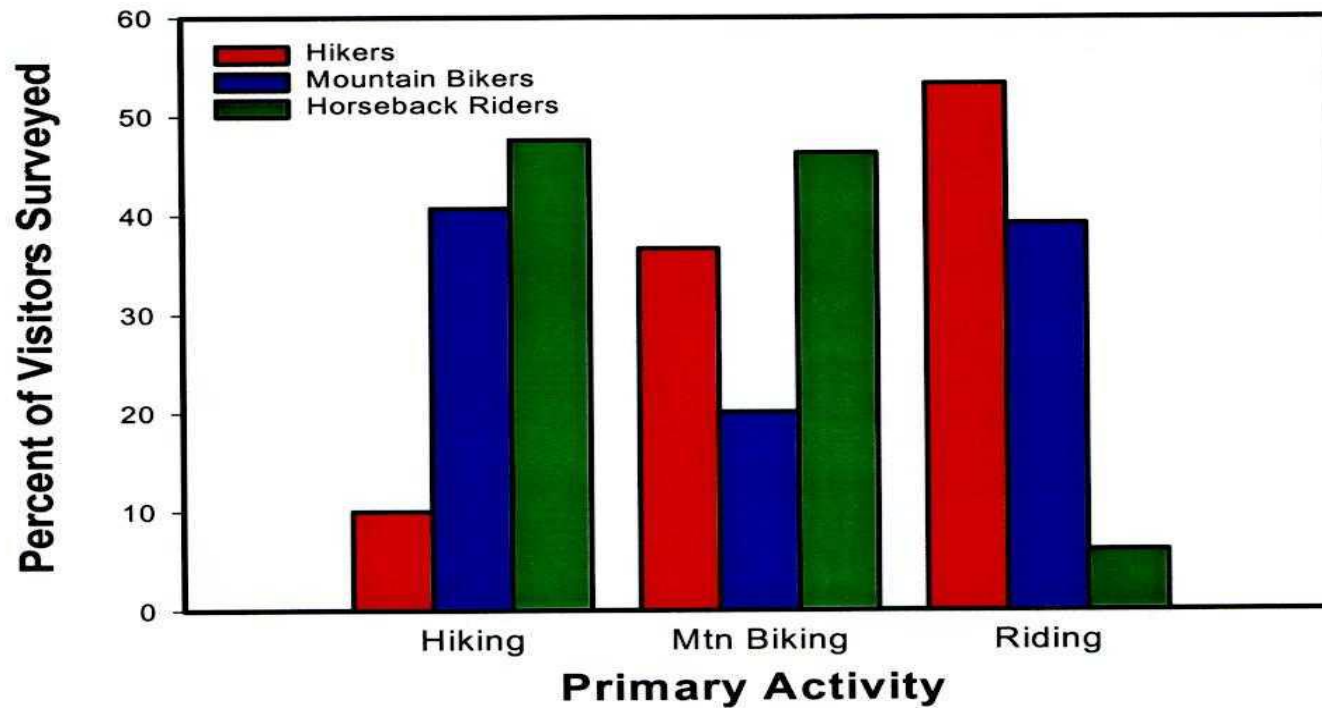
The human dimension!



Taylor, A. R., and R. L. Knight. 2003. Wildlife responses to recreation and associated visitor perceptions. *Ecological Applications* 13:951–963.



Group Held Most Responsible for Stress to Wildlife



Turning the lens on ourselves

Take home messages



- Our perceptions of how we disturb wildlife differ from reality
- We believe what we do is benign; what others do isn't

Turning the lens on ourselves

- We can **over-everything**: logging, grazing, recreation, etc.
- Ecosystem management welcomes all of us to use our public lands
- With the caveat that land **health** precedes land **use**
- We will **recreate sustainably** only if we first ask “what can I do for the land” versus “what can the land do for me” (our responsibilities vs. our rights)



“The worse thing that can befall a piece of land, short of coming into the hands of an unscrupulous developer, is to be opened to the unmanaged public.” Wallace Stegner

Panel: Are we loving (and recreating) Colorado to death?

- Crystal Dreiling, CO Parks & Wildlife, Fisher's Peak State Park Superintendent, and Chris Pague, TNC



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- Tom Cardamone, Watershed Biodiversity Initiative





NORTH STAR NATURE PRESERVE

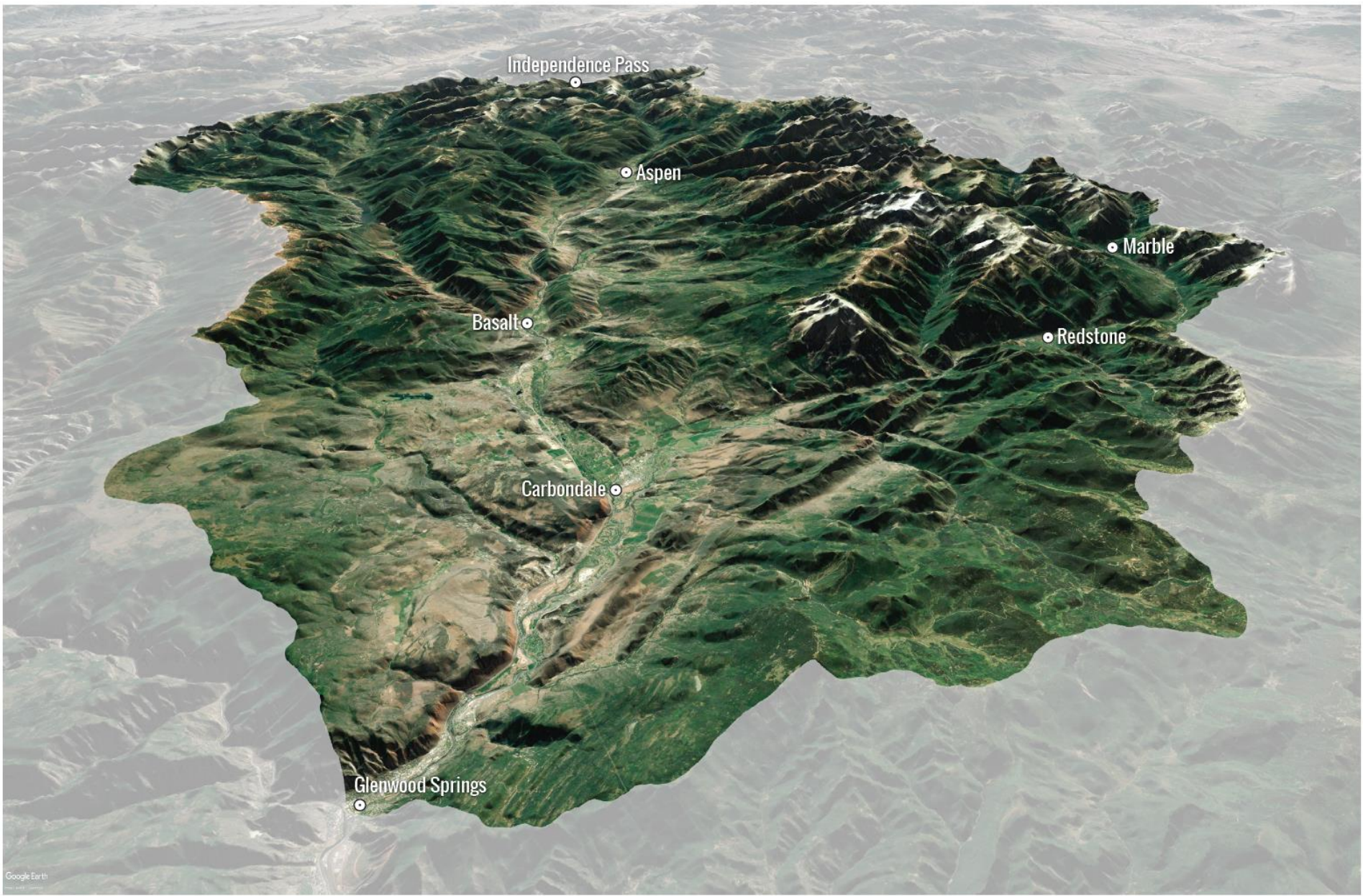
PITKIN COUNTY OPEN SPACE AND TRAILS











Google Earth





Break (11:00-11:20)

Next: CNHP Updates, and Partnerships Leading to Positive Outcomes

WIFI:

Network name (SSID): “csu-guest”

Once connected: open a web browser and you should be prompted to accept the CSU Acceptable Usage Policy to go online.



CNHP Updates 11:20-12:00

Joanna Lemly, Wetlands

Jeremy Siemers, Zoology



Lunch 12:00-1:00

Next: CNHP Updates, and Partnerships Leading to Positive Outcomes

WIFI:

Network name (SSID): “csu-guest”

Once connected: open a web browser and you should be prompted to accept the CSU Acceptable Usage Policy to go online.



CNHP Updates 1:00-1:50

Amy Greenwell, Conservation Data Services

Jill Handwerk, Botany/Vegetation Ecology

Lee Grunau, Conservation Planning



Workshops and Discussions 2:00-3:45

- Understanding Colorado's Plant Communities (**Ballroom C**)

Karin Decker and Denise Culver

- Colorado Wetland Information Center (**Ballroom D**)

Joanna Lemly and Sarah Marshall

- CODEX: hands-on training (**Morgan Library 175**)

Amy Greenwell and Michael Menefee

- Recreation discussion (**Ballroom C**)

Lee Grunau and David G. Anderson

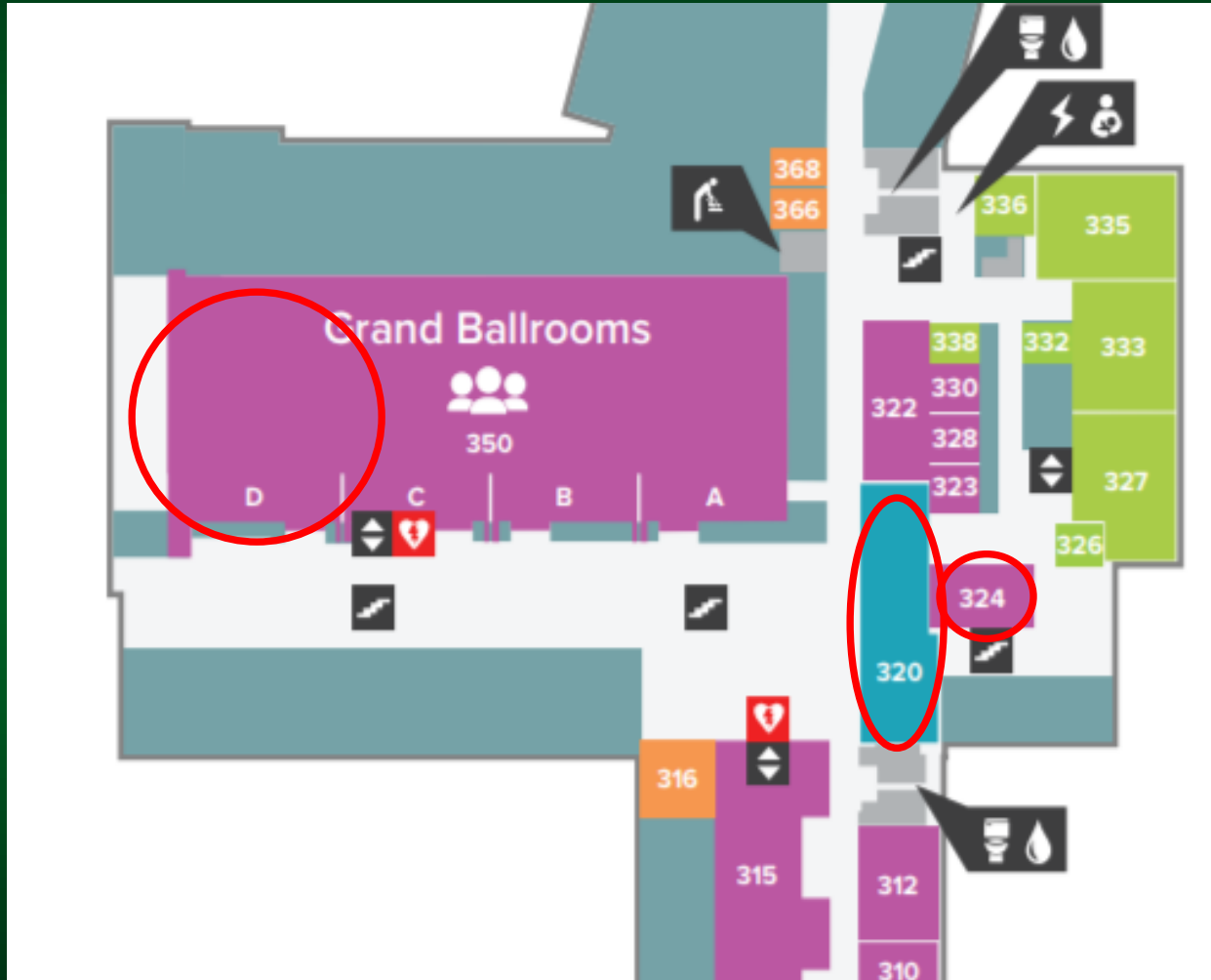


Confluence Open Spaces Sessions

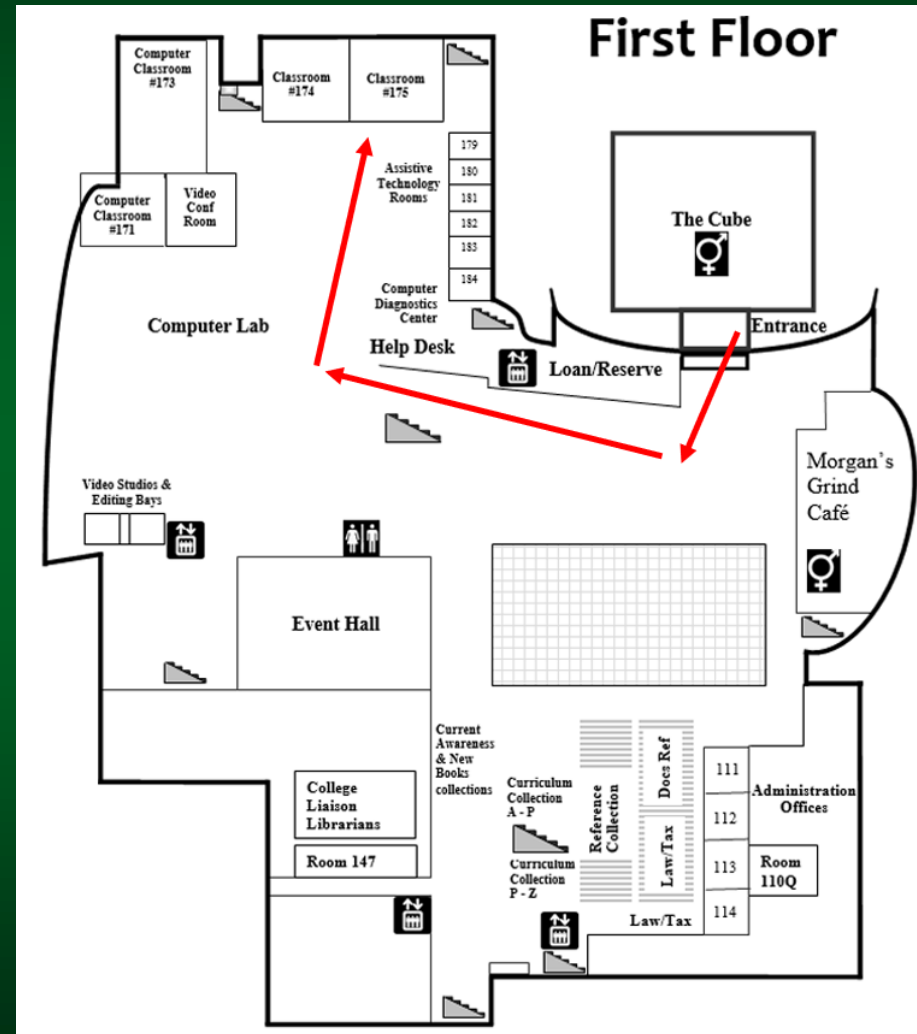
TIME	LOCATION	SESSION TOPIC	NOMINATING PERSON
2:00 PM - 3:00PM	LSC 320	Colorado collaborations	Shannon Wadas
2:00 PM - 3:00PM	LSC 324	How to use the collaborative approach with and without government mandates?	Rex Hicks
2:00 PM - 3:00PM	LSC 308	-	-
2:00 PM - 3:00PM	LSC 310	-	-
3:00PM - 4:00PM	LSC 320	How to get a collaboration going and how to sustain it	Gary Severson, Brian Schultz, Dan Smitherman, Julie Stuble, Mary Grace Bedwell, Tyler Beeton
3:00PM - 4:00PM	LSC 324	Bridging forests and water	Jessica Thrasher, Karen Simms



Confluence Open Spaces Sessions



CODEX Hands On Training 2:00-3:45



Workshops and Discussions Wrap Up

3:50-4:30

- Understanding Colorado's Plant Communities (**Ballroom C**)

Karin Decker and Denise Culver

- Colorado Wetland Information Center (**Ballroom D**)

Joanna Lemly and Sarah Marshall

- CODEX: hands-on training (**Morgan Library 175**)

Amy Greenwell and Michael Menefee

- Recreation discussion (**Ballroom C**)

Lee Grunau and David G. Anderson

- Confluence Open Space Sessions (**LSC 320 and 324**)



Happy Hours at the Ramskeller

- Go to the large staircase to the left outside the ballroom
- Go all the way to the bottom of it
- Turn Right- You'll see the Ramskeller there



Thank You!

Contact for anything
connected to today's meeting:

- David G. Anderson
970-980-4680
david.anderson@colostate.edu



Follow up steps:

- Videos of the meeting are available on the Partners Meeting website
- We'll invite you to take a short survey about the Partners Meeting

