



URG!

Ungulate Resource Group

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Premise:

- **Historically it has been difficult to know who to ask when someone has an ungulate question**
 - **Much has been by word of mouth or calling your “favorite contact”**
 - **Multiple lists of advisors exist**
 - **Multiple levels of advisors exist**
 - **TAG level**
 - **SSP level**
 - **No structured format for where to list contacts**
 - **Many contacts weren't aware they were listed as advisors**
 - **Some were no longer willing but hadn't been removed**
 - **Some had changed institutions but contact info wasn't updated**

GOAL:



Create a simple, centralized list of primary advisors, with a small number of co-advisors, who can field questions that arise regarding ungulate conservation and care AND ensure that answers are returned in an appropriate timeline.



Modeled after the Rhino Research Council

2021 Rhino Research Council

Chair: Dr. Terri Roth, Cincinnati Zoo/CREW, OH

TAG Chair: Adam Eyres, Fossil Rim Wildlife Center, TX

Veterinary Medicine

Advisor: **Dr. Michele Miller**, Stellenbosch University, South Africa

Advisor: **Dr. Eric Miller**, St. Louis Zoo, MO

Co-Advisor: **Dr. Benn Bryant**, Taronga Conservation Society, Australia

Co-Advisor: **Dr. Robin Radcliffe**, Cornell University, NY

Nutrition

Advisor: **Dr. Katie Sullivan**, Disney's Animal Programs, FL

Co-Advisor: **Dr. Marcus Clauss**, University of Zurich, Switzerland

Co-Advisor: **Dr. Ellen Dierenfeld**, Novus International, MO

Co-Advisor: **Kerrin Grant**, The Wildlife Center, NM

Co-Advisor: **Barbara Henry**, Cincinnati Zoo, OH

Co-Advisor: **Dr. Eduardo V. Valdes**, Disney's Animal Programs, FL

Genetics

Advisor: **Vacant**

Co-Advisor: **Dr. Alfred Roca**, University of Illinois, IL

Co-Advisor: **Dr. James Austin**, University of Florida, FL

Co-Advisor: **Dr. Candace Scott**, Queens University, Canada

Behavior and Ecology

Advisor: **Dr. Lara Metrione**, SE Zoo Alliance for Reproduction & Conservation, FL

Co-Advisor: **Dr. Elizabeth Freeman**, George Mason University, VA

Co-Advisor: **Dr. Rachel Santymire**, Lincoln Park Zoo, IL

Reproduction

Advisor: **Dr. Monica Stoops**, Omaha's Henry Doorly Zoo and Aquarium

Co-Advisor: **Dr. Justine O'Brien**, Taronga Conservation Society, Australia

Co-Advisor: **Dr. Linda Penfold**, SE Zoo Alliance for Reproduction & Conservation, FL

Co-Advisor: **Dr. Parker Pennington**, Smithsonian Conservation Biology Institute

Co-Advisor: **Dr. Mandi Schook**, Disney's Animal Programs, FL

Co-Advisor: **Dr. Jessye Wojtusik**, Cincinnati Zoo/CREW, OH

Management

Advisor: **Adam Eyres**, Fossil Rim Wildlife Center, TX

Co-Advisor: **Lance Aubrey**, San Diego Zoo Wildlife Alliance, CA (Black rhino, GOH)

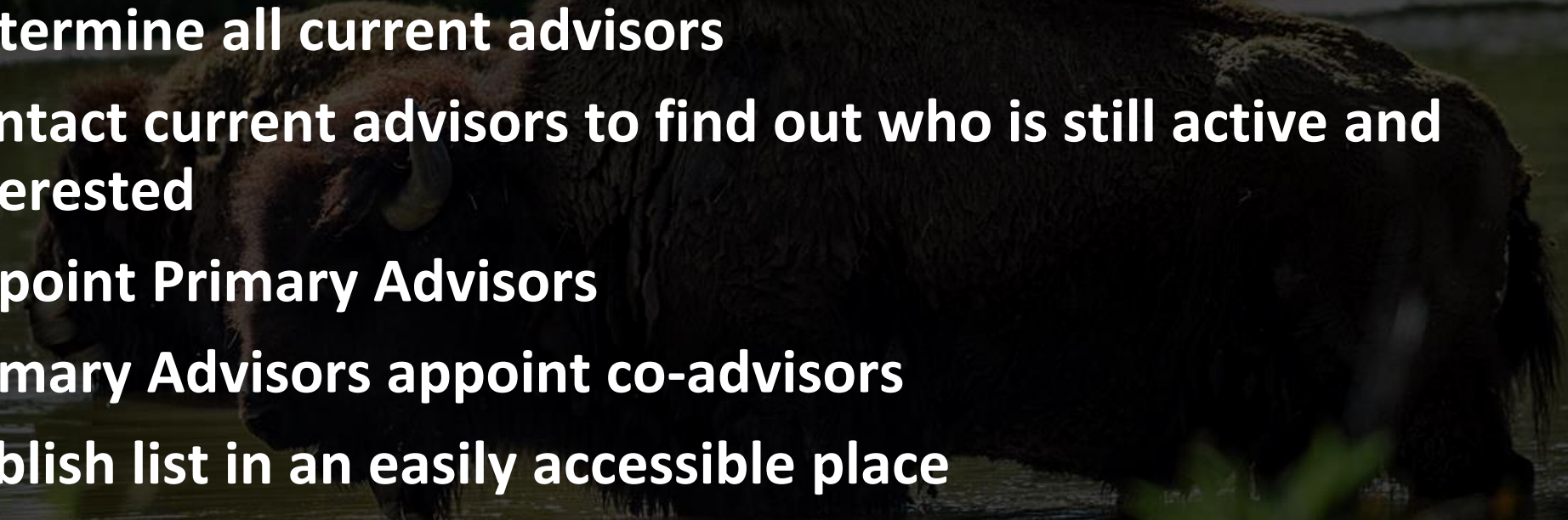
Co-Advisor: **Paul Reinhart**, Cincinnati Zoo, OH (Sumatran rhino)

Co-Advisor: **Joe Hauser**, Buffalo Zoo NY (GOH)

Co-Advisor: **Lisa Smith**, Buffalo Zoo, NY (Black rhino)

Co-Advisor: **Reese Pfalzer**, White Oak Conservation Center, FL (White rhino, GOH)

Steps for creation:

- **Determine all current advisors**
 - **Contact current advisors to find out who is still active and interested**
 - **Appoint Primary Advisors**
 - **Primary Advisors appoint co-advisors**
 - **Publish list in an easily accessible place**
 - **Follow up to determine if requests are being answered and to make any changes needed to structure**
- 

Determining all current advisors: Completed

- Places where current advisors were listed:
 - AZA
 - AAZV
 - TAG
 - Individual SSP
 - Email signatures
 - Nowhere



Group	Vet	Vet	Repro	Education	Education	Research	Nutrition	Pathology	Pop mgmt	Husbandry	Field Conservation	Genetics	Behavior	Welfare	Endocrine	IUCN Specialist Group Liason	Registrar	Other
Cervid Tag	Tracy Clippinger, DVM			Brian Ogle, MS, Ed.D.	Jaap Wensvoort	Steven Monfort, PhD, DVM			Kevin Willis									
Barasingha																		
Chevrotain, Greater Malayan																		
Deer, Eld's																		
Deer, Pere David's																		
Deer, Western tufted																		
Moose																		
Muntjac, Reeves'																		
Pudu, Chilean																		
Equid TAG	Rhonda Allah, DVM	Raymond Wack, DVM, DACZM	Cheryl Asa, PhD				Kimberly Treiber, PhD					Oliver Ryder, PhD	Cheryl Asa, PhD			Patricia Moehman, PhD		
Ass, Somali																		
Horse, Asian Wild	Rhonda Allah, DVM						Kerrin Grant, MS											
Onager																		
Zebra, Grevy's	Raymond Wack, DVM, DACZM						Kimberly Treiber, PhD											
Zebra, Hartmann's																		
Zebra, Plains																		
Tapir TAG	Joseph Flanagan, DVM	Dawn Zimmerman, MS, DVM		Kelly Russo		Budhan Pukazhenti, BVSc	Mark Edwards, PhD				Dr. Alberto Mendoza					Patricia Medici, MS, PhD	Karin Schwartz, PhD	Alan Sh
Tapir, Baird's	Dawn Zimmerman, MS, DVM							Dalen Agnew, DVM, PhD, DACVP										
Tapir, Malayan	Dawn Zimmerman, MS, DVM							Dalen Agnew, DVM, PhD, DACVP										
Wild Cattle and Camelid TAG	Pam Dennis, DVM		Linda Penfold, PhD	Pamela Eby					Jamie Ivy, PhD									Jeff Hol
Anoa, Lowland																		
Banteng																		
Buffalo, African Savannah																		
Wild Pig, Peccary and Hippo TAG	Cora Singleton, DVM, DACZM	Michelle Miller, MS, PhD, DVM, MPH, DECZM	Annie Newell-Fugate				Ellen Dierenfeld, PhD			Jeff Holland	Jeff Holland				Catharine Wheaton, PhD			Dennis
Babirusa, North Sulawesi	Jim Grillo, MD, DVM	Priscilla Joyner, BVMS, DACZM					Ellen Dierenfeld, PhD					Dr. Nick Brickle						Alastair
Hippopotamus, Pygmy	Gabriella Flacke, DVM																	
Hippopotamus, River	Gabriella Flacke, DVM	Michelle Miller, MS, PhD, DVM, MPH, DECZM												Dr. Michele Miller				
Hog, Red river	Cora Singleton, DVM, DACZM																	
Peccary, Chacoan	Lana Krol, DVM**																	
Pig, Visayan warty	Cora Singleton, DVM, DACZM																	



Previously listed advisors

- 16 different advisor topic categories
- 57 different people
 - Some were advisors for multiple different species, some were at both the TAG and SSP levels, some in multiple topics



16 Previous Categories of Advisors:

- **Veterinary**
- **Reproduction**
- **Education**
- **Research**
- **Nutrition**
- **Pathology**
- **Population management**
- **Husbandry**
- **Field Conservation**
- **Genetics**
- **Behavior**
- **Welfare**
- **Endocrine**
- **IUCN Specialist Liaison**
- **Registrar**
- **Other**

Kept 9 Categories of Advisors:

- **Veterinary**
- **Reproduction**
- **Education**
- **Research**
- **Nutrition**
- **Pathology**
- **Population management**
- **Husbandry**
- **Field Conservation**
- **Genetics**
- **Behavior**
- **Welfare**
- **Endocrine**
- **IUCN Specialist Liaison**
- **Registrar**
- **Other**

2021 Ungulate Resource Group

Chair: Julie Swenson, DVM, DACZM, Fossil Rim Wildlife Center, TX

TAG Chairs: Steve Metzler, Antelope, Cattle Giraffid and Camelid—San Diego Zoo Wildlife Alliance, CA

Michelle Hatwood, Cervid—Audubon Species Survival Center, LA

Tim Thier, Equid—Saint Louis Zoo, MO

Martin Ramirez, Pig, Peccary, Hippo and Tapir—Woodland Park Zoo, WA

Gil Myers, Caprinae—National Zoo, DC

Veterinary Medicine

Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Nutrition

Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Genetics

Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Behavior and Ecology

Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Reproduction

Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Management

Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Field Conservation

Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Population Biology

Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Education

Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Co-Advisor:

Contacting Current Advisors for Interest: Completed

- Reached out to all 57 people
 - Only 25 people responded saying that they were still interested in participating in their given role or a similar role
 - In addition to these 25 people, 6 new individuals reached out asking to participate and 7 people were recommended for new positions

Confirming Primary Advisors: Completed

Veterinary: Meredith Clancy

Nutrition: Mike Maslanka

Genetics: Klaus-Peter Kopfli

Field Conservation: John Watkin

Behavior/Ecology: Lara Metrione

Reproduction: Parker Pennington

Management/Husbandry: Steve Metzler

Education: Leanne White

Population Biology: Jamie Ivy

Next Steps:

- **Primary Advisors will appoint 3-6 co-advisors**
 - Co-advisors can be chosen based on taxa or subject, depending on the primary advisor's preference
 - Co-advisors can have as many people in their list of contacts as they want but only the Primary Advisor and the Co-advisors will be listed on the contact sheet
- **Yearly revisions:**
 - Most likely at the TAG meetings
 - Can discuss any improvements and / or changes as well as further uses
 - Will also confirm that advisors and co-advisors are able to respond to requests in a timely manner

Questions for Discussion:

- What is the best way to disseminate this contact sheet?
 - Needs to be published in a limited number of places so that it can be easily maintained up to date
 - Suggestions:
 - Ungulate TAG's website
 - AZA website
 - AAZV website
 - Any others?



Questions for Discussion:

- **What is the best way to announce the URG! so people know to look for it as a resource?**
 - **Individual TAG and SSP representatives**
 - **Institutional Representatives and Institutional Liaisons**
 - **Social media posts:**
 - **AZA Ungulates**
 - **AAZV**
 - **ACZM (American College of Zoological Medicine)**
 - **Any others?**

Questions for Discussion:

- Are there other uses for this format?
 - Examples:
 - Research requests
 - Any others?



Questions or Comments?

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