

2026 srm annual meeting



thank you to our presenting
sponsor..



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welcome to the 2026 srm annual meeting!

Dear SRM Members, Colleagues, and Friends,

A warm coastal welcome to Monterey, California, for the 2026 Annual Meeting of the Society for Range Management! Thank you for joining us along the stunning Pacific shoreline as we come together under the inspiring theme “Herd ’round the World.” This gathering celebrates the United Nations’ International Year of Rangelands and Pastoralists (IYRP 2026), spotlighting the profound value of healthy rangeland ecosystems that span nearly half the Earth’s land surface.

Hosted by the California-Pacific Section, our meeting highlights how stewardship and traditional ecological knowledge sustain livelihoods for hundreds of millions worldwide. Through symposia, oral presentations, posters, workshops, and field tours, we’ll explore adaptive strategies that address ecologic resilience, biodiversity, food security, economic vitality, and cultural heritage. Our rangelands tell a story; we translate it through stewardship and science.

Sunday sets the stage with committee sessions, an interactive tradeshow, and engaging events that kick off our global conversations. The Welcome Mixer provides the perfect chance to reconnect, meet new collaborators, and browse innovative exhibits. Don’t miss the opportunity to mentor emerging talent—chat with High School Youth Forum participants, cheer on University competitors in Plant ID, URME, Rangeland Cup, and Extemporaneous Speaking, or join the Producer’s Forum, Job Fair, and Young Professionals Conclave activities.

Monday’s plenary session launches the week at 8:00 AM, featuring dynamic speakers who bridge local California insights with worldwide rangeland perspectives. With a full program of technical sessions, tours showcasing California’s unique coastal and inland rangelands, and plenty of networking, there’s abundant inspiration for everyone.

This is more than a meeting; it’s a global convergence where ideas spark, partnerships form, and our shared commitment to rangeland stewardship strengthens. Embrace the chance to build lasting connections, exchange stories across continents, and advance our collective mission.

Heartfelt thanks to the dedicated Planning Committee, volunteers, sponsors, and hosts whose passion brings this vision to life in Monterey!

we are rangelands.

— *Jeff Goodwin*

PRESIDENT, SOCIETY FOR RANGE MANAGEMENT

On behalf of the 2026 Planning Committee and the California-Pacific Section, we welcome you to Monterey, California, for what we expect to be a truly outstanding SRM Annual Meeting!

Herd 'Round the World is the theme of the 2026 Annual Meeting in Monterey. This theme elevates global awareness of the critical importance of healthy rangeland ecosystems and their contributions to economic prosperity, sustainable livelihoods, and food security worldwide. It also celebrates the International Year of Rangelands and Pastoralists.

California provides an exceptional setting for this gathering. From coastal grasslands and oak savannas to interior valleys and working ranch landscapes, California's rangelands are among the most diverse and dynamic in the world. They support livestock production, wildlife habitat, water resources, recreation, and cultural heritage, while also playing an increasingly vital role in climate resilience and wildfire fuel reduction. Hosting SRM 2026 in Monterey allows us to showcase how California's land stewards, researchers, and managers are advancing innovative approaches to sustainable rangeland management.

Globally, rangelands cover approximately 40% of the Earth's land surface and support the livelihoods of hundreds of millions of people through pastoralism — a livestock management system evolved over millennia to work in harmony with natural ecosystems. Meeting symposia, presentations, poster sessions, and workshops will highlight how pastoralists and rangeland managers worldwide steward these vast landscapes, drawing upon generations of ecological knowledge and adaptive management. Traditional and place-based knowledge offer valuable insights for addressing contemporary challenges, including climate change, biodiversity conservation, and sustainable land management.

Bringing together rangeland scientists and students, pastoralists, land managers, and policymakers, the 2026 meeting will celebrate diverse approaches to rangeland stewardship and advance solutions that honor both ecological integrity and the rich cultural heritage of rangelands and their caretakers.

The Planning Committee and SRM extend sincere thanks to everyone who has contributed time and effort toward making the 2026 SRM Annual Meeting possible. We hope you enjoy the meeting, tradeshow, technical tours, and social events — and that you take time to experience all that Monterey and California have to offer.

— *2026 California-Pacific Section Planning Committee*
SOCIETY FOR RANGE MANAGEMENT



board of directors

2023-2025

Dr. Chuck Butterfield
Senior Ecologist, Y2 Consultants

Julie Elliot
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registration information

Registration will be located in the Monterey Conference Center (MCC) on the 1st floor in the Serra Lobby; registration is located directly outside of the Serra Ballroom between the two doors serving as the entrance to the Trade Show. Registration will be open during the below dates and times.

ALSO LOCATED IN THE REGISTRATION AREA WILL BE TABLES WITH INFORMATION ON THE FOLLOWING:

- SRM Merchandise for Sale
- Young Professional's Conclave: Wild Rag Sales
 - Monterey Information
- Diversity & Inclusion Committee Table
 - 2027 SRM Annual Meeting

registration hours:

SUNDAY, FEB. 9TH | 7:00AM-5PM

MONDAY, FEB. 10TH | 7:00AM-5PM

TUESDAY, FEB. 11TH | 7:30AM-5PM

WEDNESDAY, FEB. 12TH | 7:30AM-11AM



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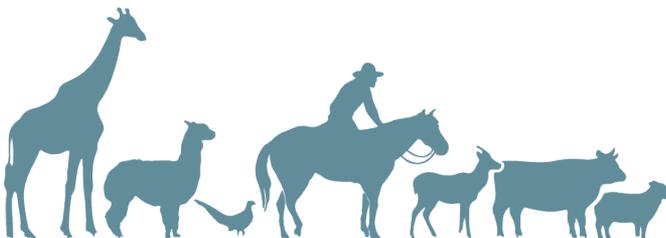
V6 RANCH

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meeting facilities

All SRM Annual Meeting events and sessions will take place within the Monterey Conference Center (MCC), Portola Hotel, and the Marriott Hotel. The Portola and MCC properties are directly connected; the Marriott is accessible by the Sky Bridge located on the second floor of the MCC. All tours will leave via the Plaza located outside the MCC and Portola.



portola

1ST FLOOR

Portola Room: HSYF Home Room (located next to the hotel check-in desks)

DeAnza I, II, III (DeAnza I: Student Conclave Business Lunch/YPC Business Dinner; DeAnza II: SRM Business Lunch; DeAnza III: URME/Plant ID Exam Room)

Bonsai I, II, III: Meeting Rooms



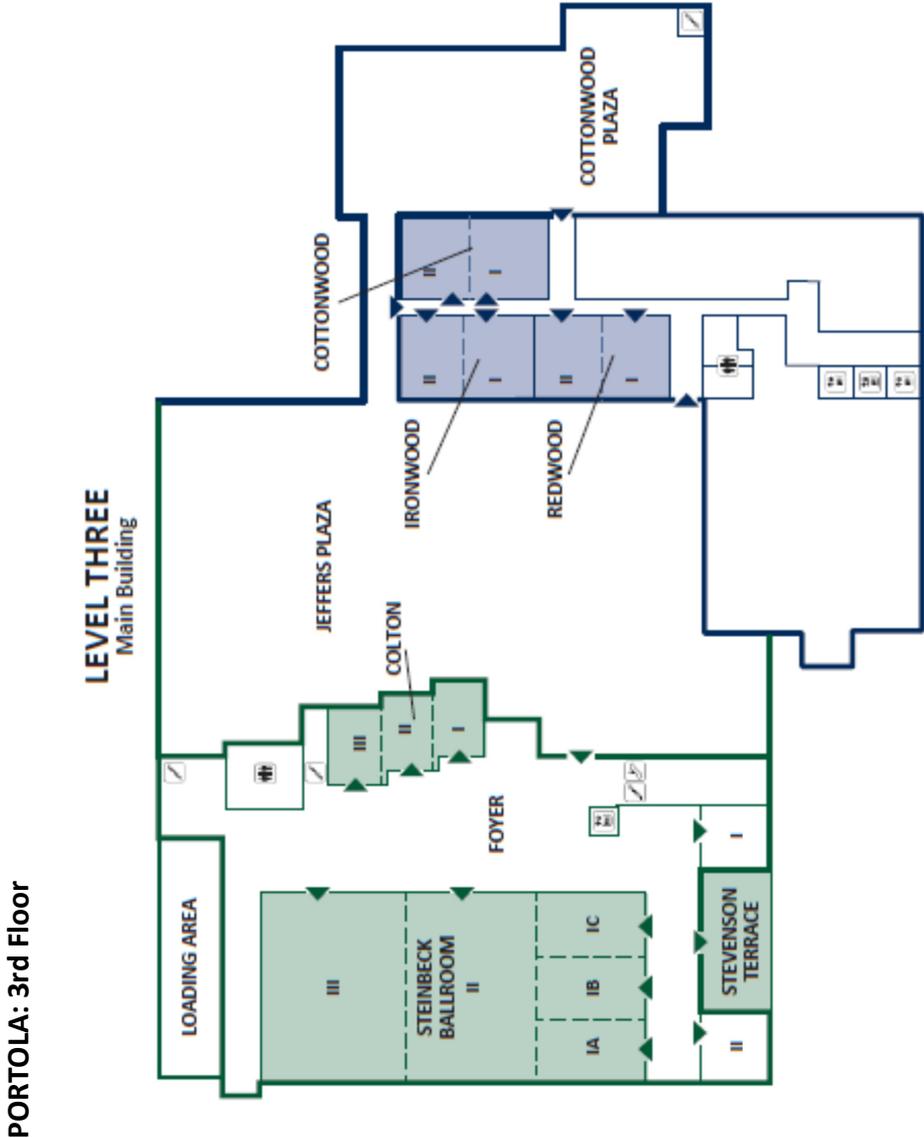
portola

3RD FLOOR

Cottonwood, Redwood and Ironwood Rooms (located on third floor, once exiting the elevator go right and follow the hallway past hotel rooms until you reach the meeting rooms)

Driftwood 1 and 2 Rooms:

At Portola Hotel, walk across breezeway toward parking structure, take the elevator to level 2



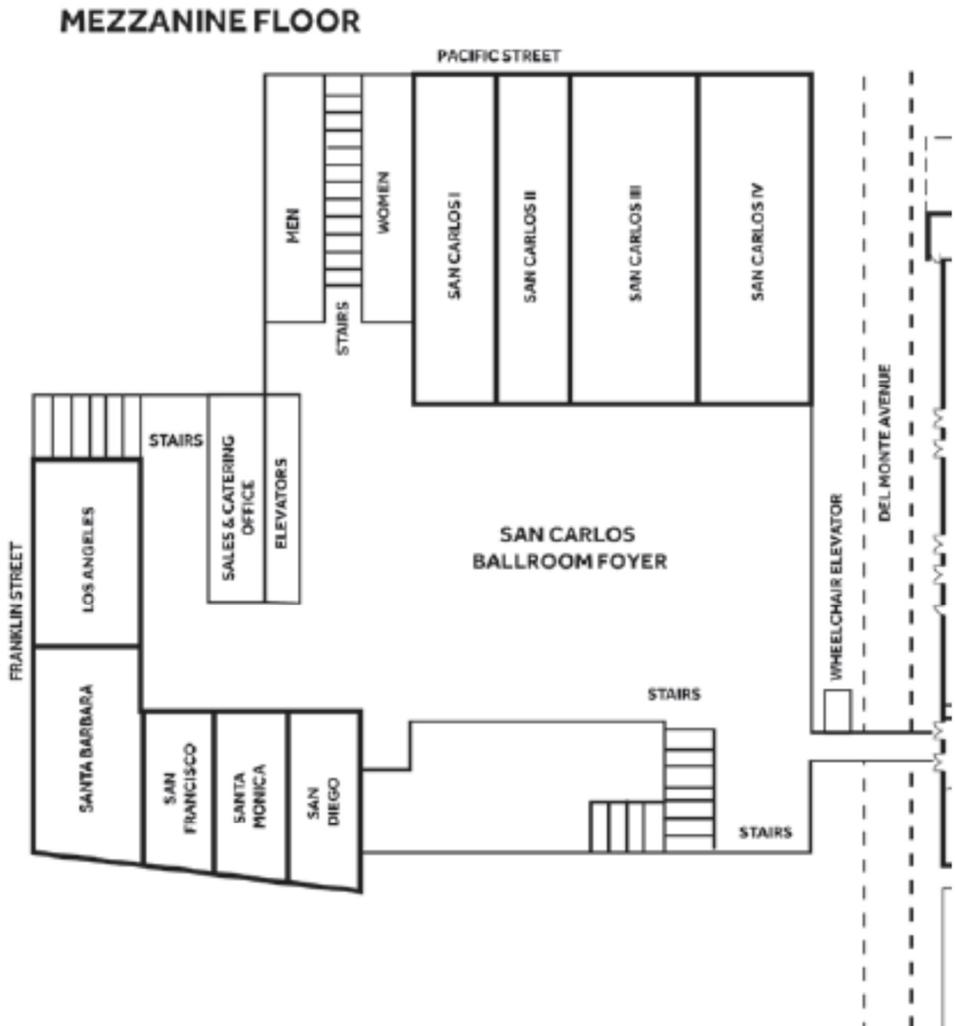
marriott hotel

LEVEL TEN

Ferrantes Bayview (Producers Forum)

MEZZANINE

San Carlos Rooms; Los Angeles, Santa Barbara, San Francisco, Santa Monica, San Diego Rooms (All Contributed Oral Sessions taking place in these rooms; Undergrad Extemporaneous Speaking)

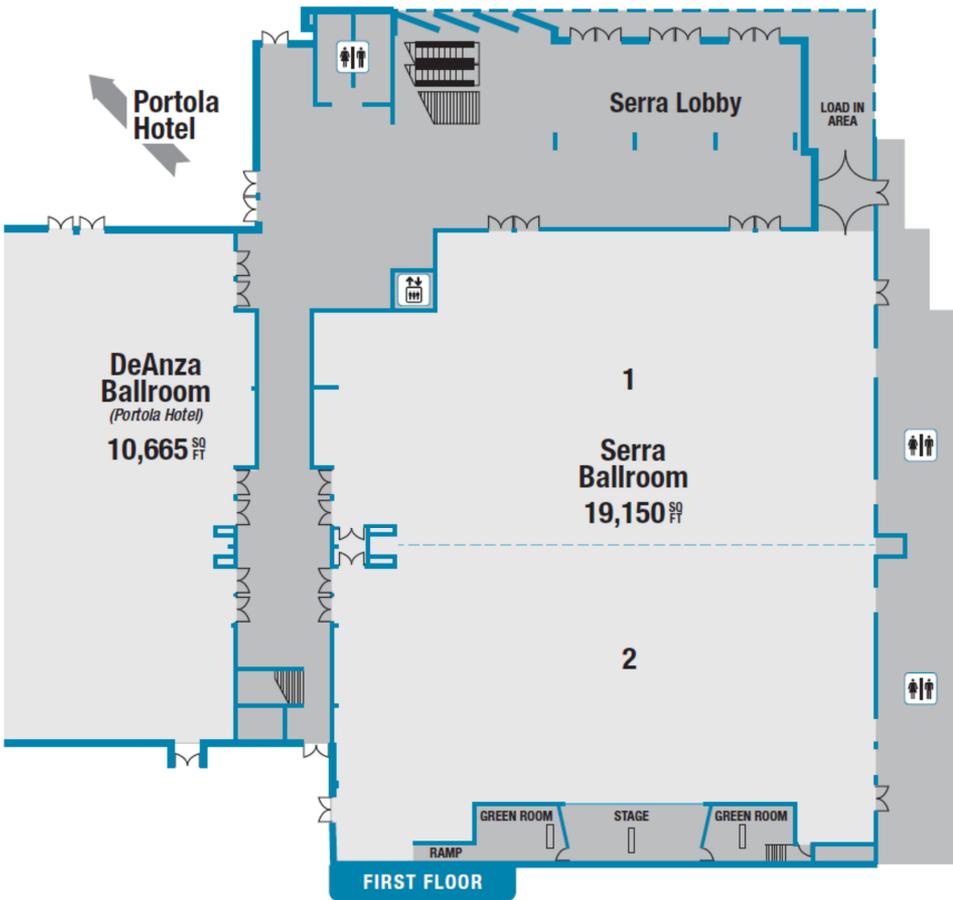


monterey conference center

1ST FLOOR

Serra Ballroom: Trade Show, Endowment Fund Auction, Poster Sessions & Coffee Breaks
Serra Lobby: Registration

MONTEREY CONVENTION CENTER: 1st Floor

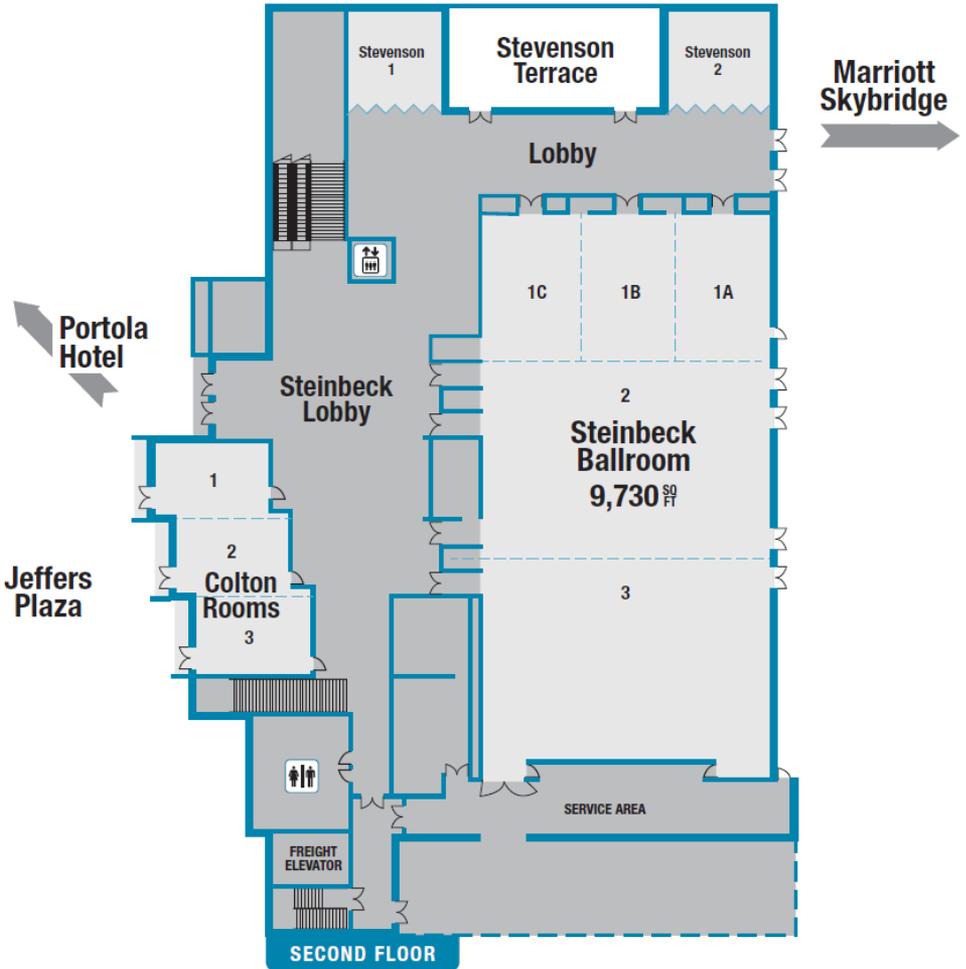


monterey conference center

2ND FLOOR

Steinbeck Ballroom: Plenary Sessions; Lunch & Learn; Dance;
Awards
Colton Rooms

MONTEREY CONVENTION CENTER: 2nd Floor



schedule-at-a-glance

saturday, feb. 7th

SRM Board of Directors Meeting: 7am-5pm

sunday, feb. 8th

Registration Opens: 9am-5pm

Producer's Forum Field Day

- Cowboy Corridors and Stockmanship; 8am-5pm

Technical Tour:

- Pedals to Pebbles: 9am-4pm

Committee Meetings: All day

Trade Show Set-up: Noon-5pm

Endowment Auction Set-Up: Noon-5pm

Social Tour:

- Whale Watching: Noon-3:30pm

Trade Show/Welcome Mixer & Super Bowl Party: 3pm-8pm

Student Conclave mixer: 4pm-5pm

Student Conclave Mixer: 5pm-6pm

monday, feb. 9th

Registration: 7am-5pm

Trade Show: 8am-6:30pm

Endowment Fund Silent Auction: 8am-6:30pm

Plenary: 8am-10am

HSYF Ecological Tour

Morning Coffee break in the trade show: 10am-10:20am

Symposia/Ignite/Workshops/Contributed Oral Sessions: 10:20am-

Noon; 1:20pm-3pm; 3:20pm-5pm

Undergraduate Extemporaneous Speaking Contest: 8am-5pm

Producer's Forum: 10:20am-5pm

Past President's Lunch: Noon-1pm

Student Conclave Business Lunch: Noon-1:20pm

Lunch on your own, Noon-1:20pm

Afternoon Coffee Break in the trade show: 3pm-3:20pm

URME Exam: 8am

Rangeland Cup: 3pm-5pm

Poster Session: 5pm-6:30pm

HSYF Professional Interaction Dinner

YPC Business Dinner: 6pm-8pm

Agency Socials: 6pm-8pm

tuesday, feb. 10th

Registration: 7:30am-6pm

Trade Show: 8am-6:30pm

Endowment Fund Silent Auction: 8am-6pm
8am-9am: Special Coffee Break in the Trade Show
Plenary Session: 9am-10am
Morning Break in the Trade Show: 10am-10:20am
Plant ID Contest: 8am
HSYF Paper Presentations: All Day
Symposia/Workshops/Contributed Oral Sessions: 10:20am-Noon;
1:20pm-3pm; 3:20pm-5pm
HOSTED Lunch & Learn Session

- Guest Speaker: Nicolette Hahn Niman

Afternoon Coffee Break: 3pm-3:20pm
Poster Session: 5pm-6:30pm
Endowment Fund Auction closes: 6pm
Bridging the Gap: 5pm-6:30pm
Section/University Socials—All Members Trivia Night: 6pm-8pm
Live Music/Dance: 8pm-11pm

wednesday, feb. 11th

Registration: 7:30am-11am
YPC Fun Run: 7am
Endowment Fund: Pick-Up Items by Noon
Morning Coffee Break in the Trade Show: 10am-10:20am
Plenary: 8am-10am
Trade Show: Ends at Noon
Endowment Fund Auction Items must be picked-up by Noon
Symposia/Ignite/Workshops/Contributed Oral Sessions: 10:20am-
Noon; 1:20pm-3pm
SRM Business Lunch: Noon-1:20pm
Technical Tour

- Estates and Ecosystems: Noon-5pm

Afternoon Coffee Break, located outside Awards: 3pm-3:30pm
Student and Honor Awards 3:30pm-6pm
Wild Women of Range

thursday, february 12th

SRM Board of Directors Meeting: 7:30am-11am
Technical Tour

- Feathers, Flames and Fields: 7:30am-5:30pm

friday, february 13th – sunday, february 15th

Two-day Hawaii Tour! Saturday, Feb. 15th & Sunday, Feb. 16th (8am-
6pm both days); NRCS office in Waimea

trade show hours and events

sunday, feb. 8th

NOON-5PM.....BOOTH SET-UP; ENDOWMENT FUND AUCTION SET-UP

3:30PM-8PM.....TRADE SHOW WELCOME MIXER & SUPER BOWL WATCH PARTY

**Don't miss out on the Super Bowl! We'll be showing the game from start to finish in the Trade Show! Cash bar and light bites start at Kick-Off, 3:30pm, followed by special halftime eats!

monday, feb. 9th

8AM-6:30PM.....EXHIBIT HALL & AUCTION OPEN

MORNING & AFTERNOON.....COFFEE BREAK IN THE TRADE SHOW

3PM-5PM.....RANGELAND CUP

5PM-6:30PM.....POSTER SESSION IN THE TRADE SHOW

tuesday, feb. 10th

8AM-6:30PM.....EXHIBIT HALL & AUCTION OPEN

8AM-9AM.....SPECIAL COFFEE BREAK!

10AM-10:20AM.....SECOND COFFEE BREAK

2:30PM-3:30PM.....AFTERNOON COFFEE BREAK

6PM.....ENDOWMENT FUND AUCTION CLOSES

5PM-6:30PM.....POSTER SESSION IN THE TRADE SHOW

wednesday, feb. 11th

8AM-NOON.....EXHIBIT HALL OPEN

8AM-9AM...MORNING COFFEE BREAK IN THE TRADE SHOW

NOON.....ITEMS FROM THE ENDOWMENT FUND AUCTION MUST BE PICKED UP BY NOON!

NOON-5PM.....TRADE SHOW CONCLUDES; BOOTH TEAR DOWN

2026 exhibitor list

COME VISIT OUR EXHIBITORS AT THIS YEAR'S TRADE SHOW!

****BOOTH ASSIGNMENTS AND TRADE SHOW MAP POSTED AT THE ENTRANCE TO THE TRADE SHOW**

- SRM Annual Meeting Booth
- Audubon Conservations Ranching
- Althouse & Meade, Inc.
- Burlap Bovine
- CA RCD Ag & Climate Hubs
- California Native Grasslands Association
- California Rangeland Trust
- Cal-Poly Humboldt
- Center of Regenerative Agriculture & Resilient Systems, CSU Chico
- CRCC/CalGLC
- Cultivo
- Easy Wean USA
- Embeint
- Envu Range & Pasture
- EZ Fence
- Gallagher NA - Animal Management
- Granite Seed & Erosion/ Pacific Coast Seed
- Great Basin Fire Science Exchange
- Halter
- IYRP Art-based Outreach project
- IYRP Booth
- Jornada Experimental Range
- Merck-Vence
- National Bison Association
- NDSU Central Grasslands Research Extension Center
- NMSU Range Club
- Noble Research Institute
- Nofence
- Open Range Consulting
- Ozark Hills Ag Advisors
- Paicines Wild One
- Pawnee Buttes Seed, Inc.
- Point Blue Conservation Science
- Ranchbot Monitoring Solutions
- Rangelands Partnership
- Rangelands Roundtable
- Redwing Ranch
- Society of Metabolic Health Practitioners
- Southwest Fence & Supply
- Truax Company, Inc.
- University of Idaho Range Club
- University of Nevada - Reno
- University of Wyoming
- USDA - Agricultural Research Service
- USDA ARS Poisonous Plant Research
- Washington State University
- Western Landowners Alliance
- Western Sustainable Agriculture Research & Educations
- Working Lands Conservation

social events

Don't miss out on the multiple social events taking place!

sunday evening social events

3:30PM-8PM.....TRADE SHOW, WELCOME MIXER & SUPER BOWL WATCH PARTY!

Room: Serra Ballroom (MCC, 1st Floor)

Don't miss out on starting off the 2026 SRM Annual Meeting in the best way possible! Join us as we kick-off this year's meeting and the Super Bowl! Doors will open at 3:30pm in time for kickoff and will remain open until 8pm. Cash bar, light bites and special halftime snacks provided.

4PM-5PM.....STUDENT CONCLAVE MIXER

Room: Bonsai I

monday social events

NOON-1:20PM.....PAST PRESIDENT'S LUNCH

Location: Driftwood 1

NOON-1:20PM.....STUDENT CONCLAVE BUSINESS LUNCH

Room: DeAnza I

3PM-5PM.....WINE TASTING WITH MEL GEORGE

Where: Sovino Wine Bar & Merchant (located in breezeway by Portola Hotel); Ticket Required

Join us for a special wine tasting event featuring Dr. Mel George, retired UC Davis Range Specialist and devoted wine enthusiast. Dr. George will lead us through an engaging, hands-on exploration of wine tasting and pairing — teaching you how to appreciate wine like a pro while enjoying a relaxed, social afternoon among friends and colleagues.

5:30PM-7:30PM.....YPC BUSINESS DINNER

Room: DeAnza I

6PM-8PM.....AGENCY MEETINGS (TBD)

tuesday evening social events

5PM-6:30PM.....BRIDGING THE GAP
Room: DeAnza II

6PM-8PM.....ALL-UNIVERSITY AND SECTION TRIVIA NIGHT!
Room: Club Room (Portola)

8-11PM.....DANCE AND LIVE MUSIC!
Room: Steinbeck Ballroom

Overview: Join us for a fun night of dancing and great music provided by Charlie McNeal, check him out here: <https://www.charliemcneal.com/>

wednesday social events

7AM-8AM.....YPC FUN RUN!

Join us for a run along the beautiful Monterey Bay!

Meet here--

Monterey Peninsula Recreational Trail
155 Monterey Peninsula Recreational Trail
Monterey, CA 93940

3:30PM-6PM.....SRM STUDENT AND HONOR AWARDS
Room: Steinbeck Ballroom

Overview: Join us as we recognize all of our outstanding student competitors and Honor awardees!

6PM-8PM.....SRM WILD WOMEN OF RANGE
Location: Characters Room (Marriott)

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young professional & student events

Please refer to official program and schedule for room assignments, times and full technical session list

sunday, feb. 8th

HIGH SCHOOL YOUTH FORUM HOME ROOM: 8AM-11PM
Room: Portola Room (same room all week)

STUDENT PLANT ID STUDY ROOM: 6AM-11:30PM
Room: Cottonwood Room (Portola; same room all week)

ALL DAY: PARTICIPATE IN ONE OF THE MANY SRM COMMITTEE MEETINGS! SEE THE FULL SCHEDULE FOR LIST OF COMMITTEES AND ROOM ASSIGNMENTS AND TIMES.

WELCOME MIXER & TRADE SHOW SOCIAL & SUPER BOWL WATCH PARTY: 3:30PM-8PM
Room: Serra Ballroom (MCC)

monday, feb. 9th

TRADE SHOW: 8AM-5PM

URME EXAM: 8AM-11AM
Room: DeAnza III

STUDENT PLANT ID STUDY ROOM: 7AM-10PM

UNDERGRADUATE EXTEMPORANEOUS SPEAKING CONTEST: 9AM-5PM
Rooms: Santa Monica & San Diego (Marriott)

STUDENT CONCLAVE LUNCH: NOON-1:20PM
Room: DeAnza I

YPC BUSINESS DINNER: 5:30PM-7PM
Room: DeAnza I

HIGH SCHOOL YOUTH FORUM TOUR AND PROFESSIONAL INTERACTION DINNER
Room: Portola Room

RANGELAND CUP: 3PM-5PM (TRADE SHOW)

POSTER SESSION #1: 5PM-6:30PM (TRADE SHOW)

AGENCY SOCIALS: 6PM-8PM

tuesday, feb. 11th

PLANT ID CONTEST: 8AM-NOON
Room: DeAnza III

TRADE SHOW: 8AM-6:30PM

HSYF PAPER PRESENTATIONS: 8AM-5PM
Room: Portola

LUNCH & LEARN: HOSTED LUNCH FOR ALL MEETING ATTENDEES
Room: Steinbeck Ballroom (MCC)

YOUNG PRODUCER'S FORUM: 10:20AM-NOON
Room: Ferrantes Bayview (Marriott, Top Floor)

BRIDGING THE GAP: 5PM-6:30PM
Room: DeAnza II

POSTER SESSION #2: 5PM-6:30PM (TRADE SHOW)

ALL-SECTION-UNIVERSITY TRIVIA NIGHT: 6PM-8PM
Room: Club Room (Portola)

DANCE/LIVE MUSIC: 8PM-11PM
Room: Steinbeck Ballroom

wednesday, feb. 12th

HSYF HOME ROOM: 7AM-11PM

YPC FUN RUN: 7AM-8AM
Meet at Monterey Peninsula Recreational Trail

TRADE SHOW: 8AM-NOON

SRM BUSINESS MEETING LUNCH: NOON-1:20PM (LUNCH INCLUDED WITH PURCHASE OR SIT-IN AND LISTEN AT NO-CHARGE)
Room: DeAnza II

HONOR AND STUDENT AWARDS: 3:30PM-6PM
Room: Steinbeck Ballroom

WILD WOMEN OF RANGE: 6PM-8PM
Room: Characters (Marriott)

technical & social tours

All Tours will depart from the Portola Plaza, located off of Del Monte Avenue in front of the Monterey Conference Center and Portola Hotel. Please arrive 15 minutes before your stated tour departure time.

technical tours

PRODUCER'S FORUM FIELD DAY: COWBOY CORRIDORS AND STOCKMANSHIP

Sunday, Feb. 8th: 7:30am-5pm

PEDALS TO PEBBLES

Sunday, Feb. 8th; 8am-5pm

ESTATES & ECOSYSTEMS

Wed., Feb. 11th; Noon-5pm

FEATHERS, FLAMES AND FIELDS

Thursday, Feb. 12th 7:30am-5pm

HAWAII RANCH TOUR (POST-MEETING TOUR)

Sat. Feb. 14th-Sun. Feb. 15th

social tours

WHALE WATCHING TOUR

Sunday, Feb. 8th;

Depart: 11:45am-3:30pm (boat leaves at 12:30pm)

poster session schedule

**This year, the poster session will be divided into two sections; one to host the general poster session and one that will feature undergrad and grad students posters. Signs in the Trade Show will indicate the areas for each.

monday, february 9th

GENERAL POSTER SESSION: 5PM-6:30PM

1. Alan Iwaasa

Impacts of grazing management and forage species diversity on soil carbon content of Canadian native mixed grassland

2 . Kathryn Barnitz

Prescribed grazing to reduce wildfire risk while maintaining condition of livestock and land

3. Javier Ochoa-Espinoza

Comparison of the behavior of domestic and wild bovines in Mexican rangelands in the state of Coahuila

4. Karen Meraz Molina

INTEGRATION OF BIOCLIMATIC INDICES FOR THE ZONING OF LIVESTOCK HEAT STRESS IN NORTHERN MEXICO

5. Laura Snell

California Mustang Camp

6. Hailey Wilmer

Collaborative Adaptive Management Phase 1: Assessing range sheep production, biodiversity, and social conditions at the US Sheep Experiment Station

7. Jonathan Spiess

Interactive effects of prescribed fire and low-volume herbicide application on sagebrush steppe rangeland plant communities in northeastern Idaho

8. Mitch Stephenson

The UNL Barta Brothers Ranch: Collaborative Adaptive Management (CAM) in the Nebraska Sandhills

9. Sarah Noelle

Santa Rita Grazing History: 124 years and counting...

10. Erin Phelps

Effects of biological soil crusts on surficial processes on coarse textured soils

11. Jason Williams

Shrubland-to-woodland transition alters hydrologic function

12. Daniel Asplin

Remote Sensing Grassland Biodiversity Across Land Management Practices

13. Lisa Ellsworth

Effectiveness of Masticated Fuel Beds in the SageSTEP Network

14. Corey Moffet

No difference in performance between cattle grazing patch burned and broadcast burned pasture

15. Seth Munson

Application of LiDAR for rangeland monitoring and fire risk assessment

16. Daav Sannerud

How moss modifies local climate and soil conditions during the winter months in a cold desert Sagebrush system

17. Flavie Audoin

Empowering Youth Through Agricultural Drones and GIS: The AFA2 Curriculum Journey

18. Megan Clayton

Beef Cattle Nutrition During Summer of Fed Cattle Moved to Grazing Land

19. Isabel Christine Sonnet

Characterizing Cattle Preference Across Ecostates in a Rangeland Ecosystem Using an iGotU GPS Collar

20. Isabel Christine Sonnet

Comparing Cattle Grazing Behavior on Pasture and Non-Pasture Systems Using a YOST Labs Integrated GPS 3-Way Accelerometer

21. Javier García Favre

Phyllochron and leaf elongation rates of native grasses with contrasting resource-use strategies in the Uruguayan Campos Biome

22. Ross Shipley

Comparing Actual and Estimated Evapotranspiration in Juniper- and Sagebrush-Dominated Watersheds

23. Danny Eastburn

Harnessing long-term meadow monitoring data for productive and resilient public grazing lands

24. Tipton Hudson

StockSmart grazing decision support tool with temporally and spatially explicit above-ground herbaceous biomass data and animal terrain use modeling supports dynamic stocking rates and grazing planning to support ecosystem services and profitable land

use enterprises

25. Luke Bainard

Soil depth evaluation of long-term grazing on soil microbial properties in the Canadian prairie grasslands

26. Xavier Jaime

Assessing Agrivoltaics Suitability for Rangeland Management and the Trade-offs to Rangeland Values in the Southern Great Plains

27. Cole Bush

California Transhumance Today: Modern Pastoralism via Prescribed Grazing at the Wildland-Urban Interface and Beyond

28. Andrew Kasner

Thermal microclimate variability in juniper and broad-leafed shrub canopies in semi-arid rangelands: Implications for shrub-nesting birds

29. Lan Xu

Root-Sprouting Capacity and Field Performance of Yellow-Flowered Alfalfa: A Trait-Based Approach to Breeding for Rangeland Adaptation

30. Yeun Byun

Building California's Grazing Workforce for Fire Resilience and Ecological Restoration

31. Lan Xu

Hidden Treasure: Carbon Storage in the Underground Structures of Switchgrass

UNDERGRAD POSTERS

1. Lidia Galvan-Salazar

Response of two native grasses to an early spring prescribed fire in Coahuila, Mexico

2. John Sump

Shifting Plant Communities in the Nebraska National Forest: A Post-Fire Assessment

3. Abigael Villeneuve

Interpreting the High Variability of Stabilizing Prairie Streams

4. Lydia Johnsen

Driving factors influencing plant distribution of Mixed-grass Prairie pastures in Southeastern Wyoming

5. Julyn Robinson

Nest-site selection of Chukar partridge (*Alectoris chukar*) in western Utah

6. Sage Brislen

Eschscholzia californica shows evidence of fitness based local and home-site advantage regardless of morphological patterns

7. Briana Crick

How does an invasive species influence grassland bird nest site selection at a landscape scale?

8. Mayzie Ruggles

Interspecific Dynamics of Whitebark and Great Basin Bristlecone Pines in Nevada's Ruby Mountains

9. Silver Blickfeldt

Distinguishing Between Rangeland Plant Functional Groups Using High-Resolution Multi-Spectral Imagery

10. Bailey Glashan

Solar microgrids effects on insect diversity in a California coastal prairie

GRAD STUDENT POSTERS

1. Brittney Schilling

Influence of Fire History on Forage Composition and Quality: A Case Study of the 2024 Texas Panhandle Wildfires

2. Amanda Norton

Brown-headed Cowbird presence and parasitism relative to an adaptive, rotational cattle grazing system in Wyoming

3. Sarah Tasnim

LiDAR-Based Carbon Accounting for Mixed Agricultural and Rangeland Systems: Toward Climate-Smart Pastoral Landscapes

4. Damon Bectell

Temperate Pasture Rejuvenation through Frost Sod-Seeding Legumes

5. Laken Alles

Light Detection and Ranging (LiDAR)-based Fuels Monitoring for Fire Behavior Assessment in Sagebrush Ecosystems

6. Conner Ties

Mapping Vegetation Cover Change from the 2024 Texas Panhandle Fires

7. Mallory Hinton

Survival of Male Greater Sage-Grouse in Strawberry Valley, Utah

8. Michael Warren

Breeding Ecology of Sharp-tailed Grouse and Ring-necked Pheasants in the Northern Great Plains

9. Melissa Shehane

Integrating Cultural Ecosystem Services into Park Design and Environmental Education: A Case Study of Red Mountain – El Camino Real de los Tejas

10. Kevin Alcántara

Beyond Apomixis: Productivity of *Paspalum dilatatum* Genotypes in South American Grasslands.

11. Danie Woolsey

Fire, Forage, and Facilitation: Interspecies Interactions of Native and Exotic Ungulates in Semi-Arid Rangelands

12. Kylie Perez

Landscape-level Monitoring of Rainfall Pulse Effects on Vegetation in South Texas Rangelands

13. Mollie Kemp

Developing Multiple-Scale Validation Tools to Quantify Forage Mass and Forage Production in Rangeland Ecosystems

14. Candice Trusty, PWS

Scaling up: The Ecohydrological Response to Large-scale Juniper Removal

15. Ethan Rising

Measuring Rangeland Recovery and Degradation Using Remote Sensing, Residual Trends, and Climate Data

16. Joshua Alvarez

Potential distribution of sideoats grama (*Bouteloua curtipendula*) varieties using environmental niche modeling with MaxEnt

17. Alice Mathew

Coexistence Dynamics of Grassland Birds in Brush Pile Habitats

18. Jesse Haudrich

Seasonal Variation of Nutritive Value and Mineralogy of Five Native Grass Species in the Texas High Plains and Rolling Plains

19. Payton Lemme

Linking Legacy Data to Long-Term Grazing Effects on Mixed-Grass Plant Communities in Western South Dakota

20. Carter Joseph

Blouin The Modified Grazing Response Index – an Improved Planning Tool for Rotational Grazing of Livestock

21. Zekiel Barto

Southwestern U.S. seed response to heat shock

22. Pamela Hernandez Delgado

Adaptive skin and coat traits in three genetic groups of cattle

tuesday, february 10th

GENERAL POSTER SESSION

1. Charlie Clements

Rangeland Revegetation: A closer look

2. Pablo Cipriotti

Can adaptive multi-paddock rotational grazing enhance rangeland conditions? Unveiling insights from on-farm experiences in Patagonia

3. Ashley Longmore

Breaking Boundaries to Combat Invasive Species- A Partnership Using Virtual Fence to Target Graze Phragmites

4. Daniel Macon

Sierra Foothill Forage Production: Capturing Spatial and Annual Variability

5. Kristie Maczko

US Cattle Producers' Succession Planning: Results of a Regional Survey

6. Sarah Noelle

Growing Restoration Capacity: The Red Rock Native Seed Initiative at the University of Arizona

7. Jessica Michalski

Adam and Jacquie Roth 2024 Excellence in Range Management Award Winner South Dakota Area II

8. Beth Newingham

Sowing SEEDS: A new network of experimental, post-wildfire seeding sites

9. Daniel Miller

Mongolian Saddles: Splendor from the Steppes

10. Zach Johnson

Spring, Fall, or Both? Four Years of Seasonal Cattle Grazing a Smooth Brome Invaded Rangeland

11. Maximiliano Spetter

Gas flux quantification of Angus-Hereford and Rarámuri Criollo cows grazing extensive arid rangelands.

12. Hadley Dotts

Assessing forage utilization using virtual fencing GPS data in central Idaho

13. Miranda Meehan

Soil recovery following pipeline installation in the Bakken region of North Dakota

14. Amber Dalke

Empowering Science Communication and the 2026 International Year of Rangelands and Pastoralists

15. Jacob Phillips

Effective Weed Control Significantly Increases Soil Moisture for Great Basin Rangeland Restoration Efforts

16. Pablo Cipriotti

Integrating satellite imagery and machine learning for regional monitoring of the invasive species yellow mouse-ear hawkweed

17. Zane Barker

Host root presence effects on Downy paintbrush (*Castilleja sessiliflora* Pursh.) germination.

18. Samuel Willard

Quantifying the Effect of Soil, Climate, and Management Differences in Controlling Soil Organic Carbon Storage in U.S. Grazing Lands

19. Alyssa Andrew

American Solar Grazing Association United States Solar Grazing 2024 Census: Key Findings

20. Sallie Sherman

Understanding Virtual Fencing's Capacity to Promote Heterogeneity-based Grazing Patterns that Benefit Livestock Production and Conservation of Grassland Species

21. Nicole Havrilchak

One-time application of compost improves soil health in an annual-dominated California rangeland

22. Rory O'Connor

The Accuracy and Precision of Virtual Fence Collars in Western Rangelands

23. Mounir Louhaichi

Multifunctional Roles of Cactus Pear in Dryland Ecosystem Services and Livelihoods

24. Trenton Benedict

The impact of wildfire on invasive annual grasses in western US sagebrush ecosystems

25. David Boak

root water uptake predicts shrub and grass relative importance under future climate conditions

26. Amber Dalke

Virtual Fence User Guide on Rangelands Gateway

27. Clint Stonecipher

Herbicide treatment of previously seeded rangeland on the Channeled Scablands of eastern Washington with indaziflam and imazapic

28. Nelson Stauffer

A model-based approach to weighted, spatial analyses of ecological data using Thiessen polygons

29. Savannah Meadors

A common biocrust code system for use in rangeland monitoring and research

30. Zackary Shelley

A biogeographic contrast of invasive *Bromus tectorum* abundance and management in native vs. non-native ranges.

31. Kees Hood

Evaluating Roadside Grassland Restoration Success after Multiple Decades

32. Matthew Simmons

Evaluating the Effect of a Prescribed Fire Module on Undergraduate Rangeland Literacy

33. Mary Ann Vinton

Ecological calendars in "The Last Prairie": Roles of observation and generational knowledge in land management in the Nebraska Sandhills

34. Alessandra Gorlier

Interannual Stability of Species Richness Despite a 10% Difference in Taxa Between Years

35. Anna Maher

Comparing the costs and benefits of virtual fencing on public grazing lands

36. Lauren Myers

Impacts of residual indaziflam on the emergence of native restoration species from seed

37. Claudia Alfaro Hernandez

Assessing forage quality in dominant plant communities beneath photovoltaic systems in coastal grasslands

38. Alessandra Gorlier

Updating the Flora of the Santa Rita Experimental Range Based on Historical and Recent Arizona Collections

39. Lan Xu

Microbial Community Dynamics from Pre-Disturbance to Post-Revegetation in Mined Soil

40. Tracy Shane

Effectiveness of virtual fencing systems for small farms under Management-intensive Grazing systems

41. Brett Allen

Management impacts on weed pressure during establishment of

CRP pollinator mixes

42. Katie Worden

Flowers, Fire, and Grazing: Disturbance Maintains Prairie Ecosystems

UNDERGRAD POSTERS

1. Trinity Edwards

Species level variation in California forbs and grasses under simulated grazing and drought

2. Fisher Gibbs

Assessing LiDAR Accuracy in Coastal Grasslands: Applications for Fire Risk, Grazing, and Restoration

3. José Manuel Olvera Aguilar

Forage Potential of *Elymus trachycaulus* (Link) Gould ex Shinnery and *Bromus carinatus* Hook. & Arn. in Almoloya, Hidalgo

4. Megan Stevenson

Improving native plant selection: Morphological variation across different seed sources

5. Nicklaus Busse

Priority Effects of *Hesperostipa comata* and *Hesperostipa spartea* vs. *Bromus inermis* in a Greenhouse System

6. Elias Velasquez Moreno

Assessing the Impact of Shade on Soil Temperature and Moisture in Warm Season Dominated Rangeland

7. Gabriel Abundis

Site-Specific Variation in Plant Functional Traits Across Microhabitats Under Solar Panels in Coastal Grasslands

8. Logan Holey

Variation in plant traits across microhabitats under solar microgrids in Coastal Grasslands

9. Curtis Garlick

Using Coating and Mulch to Improve and Restore Our Rangelands

10. Ronni Stauffer

Speeding Up Germination: The Effects of Seed Enhancement Technologies on Rangeland Grasses

GRAD STUDENT POSTERS

1. Rylie Franklin

Chemical Load: An Unseen Herbicide Filter in Restored Prairies?

2. Samuel Leigh

Effects of Plant Arrangement and Soil Amendments on Shrub Establishment in Mine Reclamation

3. Alison Karnes

Flood or Drought to Death?: Phenotypic Plasticity of *E. angustifolia* in Flood and Drought

4. Elise Bakke

Dame's Rocket (*Hesperis matronalis*) and Other Riparian Invasive Species Control

5. Stevie Steele

Competitive dynamics between forage kochia and native forb seedlings in a greenhouse experiment

6. Latifat Jimoh

Transition of Rarámuri Criollo and Angus-Hereford cattle herds to low-pressure virtual fencing containment applied to arid rangelands

7. Megan Weil

Virtual fences can manage multiple grazing species effectively.

8. Theo Knowles

Limited Effects of Increasing Native Cover Crop Seeding Rates While Interseeding Forbs

9. Lauren Luther

Quail Blazing: Quantifying Response of Bird Communities to Pine Savanna Restoration

10. Sadie Drayer

Virtual Fencing to Limit Cattle Pond Access in Grazed Pastures

11. Michael Warne

Promoting Avian Diversity Through an Assessment of Different Grazing Strategies

12. Taleigh Adrian

Let Them Eat Forbs: Differences in Floral Resources Among Patch-Burn Grazing, Patch Grazing Using Virtual Fence, and Season-Long Grazing

13. Katherine Johnson

Invasive plant responses to prescribed fire and herbicides in open forests in southeast British Columbia

14. Justine Henio

Effects of Thinning and Prescribed Fire on Understory Plant Composition in a Southwestern Mixed-Conifer Forest ****

15. Annie Bahe

Efficacy of herbicide use on Kentucky bluegrass and smooth brome in an invaded rangeland in southeastern North Dakota

16. Annie Bahe

Purge the spurge: herbicide as a first step for restoration

17. Grant Snider

Effects of UAV-applied Triclopyr + Fluroxypyr rates on weeds and desirable forbs in Kansas tallgrass prairie

18. Mickie Barraza

Why You Should Care About Your Grama: A Closer Look at Genetic Diversity in Southwest New Mexico

19. Shaelyn Rainey

Influence of Raw Milk Application on Native Grassland Production and Soil

20. Lee Minicuci

Root functional trait changes in response to experimental drought treatment

21. Cristian Gray

Efficacy of sheep endozoochory in pastoral systems

22. April Szymanski

Evaluation of select restoration techniques on perennial hay meadows in the northern plains to create Dakota Skipper (*Hesperia dactotae*) habitat

23. Ashlee Weight

Creating Soil Structure Through Biocementation Using Bacteria from Local Soils

24. Aaron Ortega

Ecophysiological indicators of post-fire aerial seeding restoration success in arid rangelands

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DR. ANN WATERS-BAYEER

Dr. Ann Waters-Bayer is an agricultural sociologist who received her PhD from the University of Hohenheim in Germany. She remains very active even following retirement, continuing to serve as a senior advisor for Agrecol Association for AgriCulture & Ecology, a co-founder and member of the ProInnova International Support Team, and a key team member of the Global Alliance for Rangelands & Pastoralists, the group who pushed for the International Year of Rangelands and Pastoralists 2026 (IYRP) group, and the Global Secretariate. Prior to her retirement, Dr. Waters-Bayer was an agroecological sociologist focused on pastoral systems with the International Livestock Centre for Africa (ILCA) in Nigeria, the German Institute for Tropical & Subtropical Agriculture (DITSL), the Dutch NGO ETC Foundation (people centered development), and the Information Centre for Low-External-Input & Sustainable Agriculture (ILEIA). Ann was a key facilitator of participatory agricultural research & development to enhance farmers' innovative capacities. She led numerous reviews, such as the "Swiss strategy for pastoral development in the Horn of Africa", the "IIED Drylands Programme", and the "Cordaid pastoral development programme." She supported action-based research through projects such as the "Indigenous Soil & Water Conservation," the "Joint Learning in Innovation Systems in African Agriculture (JOLISAA)," and the "Social Learning Linking Knowledge with Action with CCAFS (Climate Change, Agriculture & Food Security)."

Dr. Waters-Bayer held a CSO seat in the CGIAR (Consultative Group on International Agricultural Research) Executive Council (2000–02) and the European Forum for Agricultural Research for Development Management Team, of which she was Vice-Chair to 2017. She was also in the Strategic Leadership Group of CGIAR's Aquatic Agricultural Systems. For 10 years, Dr. Waters-Bayer was a reviewer for the German Advisory Service on Agricultural Research for Development (BEAF). She published several books and articles on agricultural innovation, ecological agriculture, climate-change adaptation, and pastoralist development & gender. Topics of her research and writing include eco-farming in agricultural development, farming for the future, developing technology with farmers, planning with pastoralists, and farmer innovations in Africa. Dr. Waters-Bayer is an associate editor of The Rangeland Journal (journal of the Australian Rangeland Society) and continues to be an editor and subject matter expert for a range of journals and policy documents.

Dr. Waters-Bayer was also a co-developer of the Perspectives on Pastoralism Film Festival which is run in partnership with Veterinaires Sans Frontières (VSF) International and Belgium and a member of the Coalition of European Lobbies for Eastern African Pastoralism (CELEP, an informal pastoralist advocacy group). In her role with the IYRP, Dr. Waters-Bayer led the development of newsletters at the global coordinating level, created and edited advocacy and policy related documents for the IYRP, and was a

co-founder of the Gender Working Group that focuses on efforts to create equal opportunities for pastoralist women globally.

DR. MARYAM NIAMIR-FULLER

Already, the positive impacts of the International Year of Rangelands and Pastoralists (2026) are being felt and the accomplishments we're already seeing have been made possible because of the tireless efforts and leadership of Drs Ann Waters-Bayer, Maryam Niamir-Fuller and Barbara Hutchinson. These three women have all individually led extraordinary careers supporting rangelands and pastoralists. In addition to their individual careers, together, they have helped to lead what is arguably the largest scale effort to advocate for, support and promote the voices of rangelands and pastoralists that we have seen in as long as SRM has existed, if not ever. This effort has involved working with hundreds of peers and collaborating across and rallying highly diverse organizations. They have simultaneously helped to mentor the next generation, sharing their knowledge and supporting early career rangeland professionals and pastoralists. Each nominee has brought decades of commitment and passion to rangeland management, extending from local producers to the highest levels of the United Nations. Collectively, they represent more than a century of SRM membership and service (Maryam—41 years; Ann—40 years; Barbara—15 years). They exemplify the values of the Society for Range Management through their volunteerism, their scholarship, and their unwavering dedication—even continuing their work well into retirement. The magnitude and impact of this collective effort cannot be overstated. It has changed the way rangelands are recognized at the global level, strengthening both policy and perception for years to come.

DR. BARBARA HUTCHINSON

Dr. Barbara Hutchinson served in a wide range of director, manager and coordinator positions tied to rangeland technologies/tools and information distribution for rangeland managers and pastoralists, at the University of Arizona. She was the Director of the Arid Lands Information Center (ALIC), Assistant Director of the UA Agricultural Experiment Station, Managing Director and Coordinator of the International Arid Lands Consortium (IALC), Director of the UA Communications and Technologies Department (CTD), Coordinator of the Global Rangelands Initiative (GRI), and Program Manager of the UA Natural Resources Users Law and Policy Center (NRULPC). As Managing Director of IALC, Dr. Hutchinson identified, developed and facilitated international research and development projects, provided oversight of all IALC financial and organizational operations, and facilitated and coordinated project development, implementation and evaluation among member institutions.

In her role as Director of CTD, Dr. Hutchinson managed four sub-units: Systems & Security, Programming & Web Development, Marketing &

Publications, and Educational Technologies & Multimedia. She provided oversight as the Coordinator of GRI in the development of the Rangelands Partnership, a multi-institutional initiative created to facilitate learning and decision-making on issues related to rangeland management through Web and social media technologies. And as Program Manager of NRULPC, Dr. Hutchinson supervised staff, managed communication (website, newsletter, listserv), prepared presentations and promotional materials, and organized meetings and events. The skills from all of these positions have helped Barbara to facilitate the global coalescence and maintenance of global communications between over 50 global coordinating groups, 550 International Support Group partners and members and over 975 emails in the General e-list for the IYRP. In addition, Dr. Hutchinson oversees the development and maintenance of the IYRP website (iyrp.info) and sourcing of information to include on the website, and is a key team member of the Global Alliance for Rangelands & Pastoralists with the International Year of Rangelands and Pastoralists 2026 (IYRP) and the Global Secretariate.

Drs Waters-Bayer, Niamir-Fuller and Hutchinson have helped to lead what is arguably the largest scale effort to advocate for, support and promote the voices of rangelands and pastoralists that we have seen in as long as SRM has existed, if not ever. This effort has involved working with hundreds of peers and collaborating across and rallying highly diverse organizations. They have simultaneously helped to mentor the next generation, sharing their knowledge and supporting early career rangeland professionals and pastoralists. They exemplify the values of the Society for Range Management through their volunteerism, their scholarship, and their unwavering dedication—even continuing their work well into retirement. The magnitude and impact of this collective effort cannot be overstated. It has changed the way rangelands are recognized at the global level, strengthening both policy and perception for years to come.

w.r. chapline research award



DR. KIRK W. DAVIES

Dr. Kirk Davies is a top-level, career USDA- Agricultural Research Service research scientist based in Burns, OR. He has developed a research program applying state of the art techniques to develop a better understanding of rangelands, plant invasions, restoration, and disturbance ecology that has gained worldwide recognition. Dr. Davies is a very prolific scientist, publishing over 270 scientific works, with over 190 peer-reviewed, scientific journal articles. His research provides a foundation for the appropriate management of rangeland systems, and identifies practices and methods of land management that are effective and efficient. Dr. Davies' work provides a bridge between management for production with conservation of our biodiverse rangelands. His research is consistently used by diverse land

management groups including federal agencies, non-government groups and private land managers. Dr. Davies has been requested to provide peer-reviews for >50 different scientific journals from 5 continents and the National Science Foundation. He has also helped to evaluate research programs and proposals in China, the Czech Republic, Canada, the Netherlands, and South Africa. Not only is Dr. Davies' research prolific and impactful, but he provides consistent and stalwart dedication to helping the next generation of rangeland researchers and land managers. He has mentored numerous graduate students and postdocs, and his research is heavily used in rangeland science and management classes in universities across the western United States.

w.r. chapline land stewardship award



MARGUERITE BRACK "MEG" SMITH

You cannot say "range management" in Montana without saying "Meg Smith." She has been central to the promotion of sound rangeland stewardship. She creates collaborative management efforts seeking the most meaningful way educate everyone from the legislators to her neighbors to range stewards over a wide expanse of the western US as well as interns from Europe.

Meg has carried the message of sound range management from a rancher's perspective proudly across Montana to ranchers, legislators, numerous Governors and well beyond for her entire professional career. . She has been a capable and amplified voice for rangelands and is recognized in Montana and throughout the west as a rancher who not only talks a good game, she plays that game at a very high level as well!

Meg has developed a deep understanding and empathy for the mental health issues facing rural families. She recognizes that strong and stable people in agriculture translates to strong and stable ranching enterprises and further to strong rural communities. She has effectively woven in conversations about mental health to range tours and workshops. Discussing stewardship, grazing, fencing, water etc is meaningless if the family is in financial crisis and dealing with overwhelming stress. One of her favorite credos is "It is always a people thing."

Meg Smith is a living legacy of rangeland stewardship. Meg doesn't just acknowledge the challenges facing rangeland managers

today, she rolls up her sleeves and creates a solution. Her life is literally the definition of “stewardship.” Rangeland Stewardship. People Stewardship. She is richly deserving of the W.R. Chapline Land Stewardship Award

outstanding achievement award in stewardship



BLM AIM PROGRAM

Emily Kachergis and the entire Bureau of Land Management Assessment, Inventory, and Monitoring (AIM) team received the Outstanding Achievement Award in Land Stewardship. The goal of AIM is to provide resource information for land management decision-making through standardized collection and analysis of data (see <https://www.blm.gov/aim>). AIM efforts

span the entire BLM. AIM is supported by a team of specialists at the National Operations Center, coordinators in each state and field office, and many others across the BLM and partner organizations.

This award recognizes everyone’s contributions.

Emily Kachergis and the BLM AIM team have fostered a collaborative approach to rangeland management and stewardship. In identifying monitoring as a “shared language for rangeland management”, Emily and the AIM team have worked hard to bridge divides in rangeland management using monitoring information as a tool to foster collaborative rangeland management.

Together, the AIM team and many partners have collected over 70,000 monitoring locations which have influenced management actions across millions of acres and contributed to over 300 scientific articles on rangeland management.

AIM field data facilitated the development of fractional vegetation cover remote sensing products (e.g., Rangeland Analysis Platform, Rangeland Condition Monitoring Assessment and Projection), powerful new tools for understanding rangeland conditions across boundaries and through time. AIM data also contributed to refinement of ecological site descriptions, state and transition models, web-based decision support dashboards, and many other tools widely used in the rangeland management profession.

The contributions of this team span the challenges of rangeland management, from understanding wildfire risk and postfire res-

toration effectiveness, sage grouse habitat management, drought response, grazing management, and energy development. For example – AIM led to a better understanding of cheatgrass abundance, its relationship to fire, and what we should do about it.

outstanding achievement award

MARIA FLORENTINA “MASI” MEJIA



Masi Mejia is a leader in natural resource education whose work has transformed access to rangeland learning opportunities for thousands of students across South Texas. As Manager of Education Programs for East Foundation, Masi designs and leads innovative, place-based programs that connect youth to land stewardship, conservation, and the future of working landscapes.

One of her signature initiatives, the Land Stewardship Ambassadors program, partners with the Witte Museum to empower high school students to explore ecological systems while building leadership and communication skills. Since 2019, the program has served more than 220 students, primarily from underserved, predominantly Hispanic communities near East Foundation ranches, and provides stipends to reduce barriers to participation. Masi remains personally engaged with graduates, maintaining contact with more than three-quarters of program alumni.

Masi also leads On the Land: Behind the Gates, one of the largest K–12 rangeland education programs in the country, reaching approximately 1,500 students annually and more than 32,000 to date. Her programming has demonstrated measurable improvements in science learning outcomes and provides hands-on exposure to ranching, wildlife, watersheds, and invasive species management.

She further extends her impact through classroom-based programs that have reached over 132,000 students since 2016.

Rooted in research, outreach, and deep community connection, Masi Mejia exemplifies inclusive engagement and mentorship. Her sustained commitment is building pathways into natural resource careers and ensuring that diverse voices are part of the future of rangeland stewardship.

outstanding young range professional award

DR. EVAN TANNER

Dr. Tanner, a faculty member at the Caesar Kleberg Wildlife Research Institute at Texas A&M University



Kingsville, is admired for the personal qualities that define his approach to science and education: integrity, empathy, and a commitment to people. Students and colleagues describe him as a mentor who leads with care and creates supportive environments where individuals are encouraged to grow, collaborate, and succeed.

In the classroom, Dr. Tanner is an engaging and thoughtful educator whose enthusiasm inspires learners at all levels. He is generous with his time and deeply invested in helping students navigate challenges and discover their potential. His mentorship extends beyond his own lab, reaching students and early-career professionals across departments and institutions.

Dr. Tanner's service to SRM further reflects his values-driven leadership. As current Chair of the SRM Diversity & Inclusion Committee, he has led with humility and vision, fostering inclusive spaces, amplifying diverse voices, and turning ideas into meaningful action.

Dr. Evan Tanner embodies what it means to be an Outstanding Young Professional: someone who advances our collective work in rangelands by lifting others, strengthening community, and leading with authenticity and purpose.

DR. PAIGE STANLEY



Dr. Paige L. Stanley is an exceptional early-career scientist whose research, leadership, and communication have elevated rangeland science within both professional and public arenas. Currently a Research Scientist at Colorado State University, her work focuses on soil carbon sequestration, grazing management, soil biogeochemistry, and rancher decision-making—connecting ecological outcomes with producer viability and climate solutions.

Dr. Stanley has authored or co-authored more than 20 peer-reviewed scientific publications in leading journals, with her research cited over 830 times and an H-index of 9 as of July 2025. Her studies on adaptive multi-paddock grazing and soil carbon dynamics have advanced understanding of how grazing systems influence

soil health, water cycling, and greenhouse gas balances, while her social-ecological research provides critical insight into how producers adapt management in complex landscapes.

She has also demonstrated outstanding success in competitive research funding, securing more than \$750,000 as principal investigator and co-principal investigator, including USDA-NIFA and Western SARE projects addressing grazinglands sustainability and soil carbon monitoring. Her ability to integrate science, policy relevance, and producer needs exemplifies applied rangeland research at its best.

Within SRM, Dr. Stanley serves as Chair of the Ecosystem Services Committee Carbon Subcommittee, organizes technical sessions, and has served as an invited plenary panelist. Beyond the Society, her work has been featured in major outlets including The New York Times, Washington Post, The Guardian, NPR, and CNN International—bringing accurate rangeland science into global climate and food system conversations.

Dr. Stanley's record of scholarship, service, and public engagement reflects extraordinary achievement early in her career and exemplifies the ideals of the Society for Range Management.

DR. KATIE WOLLSTEIN

Dr. Katie Wollstein is an innovative rangeland fire specialist



whose extension, research, and leadership are strengthening wildfire resilience across millions of acres in the western United States. As Rangeland Fire Specialist with Oregon State University Extension, she serves a 13-million-acre region in southeastern Oregon, delivering applied education and decision-support tools that help landowners and agencies manage fuels, reduce wildfire risk, and protect sagebrush ecosystems.

Dr. Wollstein's work bridges ecological science with institutional and social systems, enabling communities to move from reactive suppression toward proactive, landscape-scale planning. She led the development of the Threat-Based Strategic Conservation (TBSC) framework, which guides multi-stakeholder groups in identifying priority actions across ownerships and jurisdictions. TBSC-informed planning is now underway by five collaborative groups covering more than 20 million acres in eastern Oregon, helping coordinate conservation, fuels management, and post-fire

recovery efforts.

Her extension program is both highly productive and deeply impactful. In just over four years, Dr. Wollstein has delivered more than 100 non-credit educational events reaching over 12,000 participants, using innovative teaching approaches including field tours, interactive polling, geospatial tools, and immersive media. Her programs have directly supported successful funding proposals, including multi-million-dollar investments in strategic fuels treatments across priority landscapes.

Dr. Wollstein is also an accomplished scholar, authoring more than 15 peer-reviewed articles and numerous extension publications that advance understanding of collaborative wildfire governance and strategic conservation. Through national workshops, invited presentations, and SRM plenary sessions, she has elevated rangeland fire science while empowering producers, practitioners, and policymakers alike.

Dr. Katie Wollstein exemplifies the mission of SRM through applied science, collaborative leadership, and measurable on-the-ground impact—hallmarks of an outstanding young professional in rangeland management.

chuck jarecki rancher land stewardship award

SWEET RANCH, DARREL & KAREN SWEET



Darrel and Karen Sweet exemplify rangeland stewardship excellence through five decades of innovative conservation leadership on their fifth-generation California ranch. Operating within the intense development pressures of the San Francisco Bay Area, the Sweets transformed challenges into opportunities, demonstrating that productive cattle ranching and endangered species conservation are mutually beneficial.

The Sweet Ranch serves as critical habitat for four federally endangered species—California tiger salamander, California red-legged frog, Western burrowing owl, and San Joaquin Kit Fox—while maintaining a viable commercial cow-calf operation. Through collaborative partnerships with federal and state agencies, the

Sweets developed groundbreaking grazing management practices that protect San Francisco’s drinking water supply, enhance riparian habitats, and maintain optimal conditions for endangered amphibians.

As founding members of the California Rangeland Trust, Darrel helped establish an organization that has protected over 416,000 acres of California rangeland. Karen’s leadership as Executive Director of the California Rangeland Conservation Coalition brings together ranchers, environmentalists, and policymakers, transforming endangered species conservation from conflict to collaboration.

The Sweets’ educational philosophy, “no substitute for getting people out on a ranch to see what it really is”, created a living laboratory that influenced conservation policy across the American West. Their approach helped direct millions in mitigation funding toward conservation easements on working ranches, proving that supporting private rangeland stewards provides the most effective path to ecosystem sustainability. Until Darrel’s passing in February 2025, and continuing through Karen’s ongoing leadership, the Sweet’s legacy demonstrates that land stewardship is “the right thing to do.”

sustained lifetime achievement

DR. SHERMAN “SHERM” SWANSON



Dr. Sherman Swanson’s career as a dedicated and tireless educator as well as a passionate advocate for Nevada’s rangelands began with his appointment to the University of Nevada in 1983. Over the next 36 years, Dr. Swanson (Sherm) served as an extension specialist, instructor, researcher, mentor, widely published author and graduate school director. Although Sherm “retired” in 2019, he continues his work with the University of Nevada as a Professor Emeritus in Rangeland and Riparian Ecology and Management. Accomplishments include:

Extensive contributions to the Society of Range Management over a period of more than 40 years.

Role as Coordinator for the Nevada Creeks and Communities program since 2004. To date, the program has offered nearly 100 classes serving an estimated 1,000 students from all walks of life. Leading the development and publication of both the 2006 and

2018 versions of the Nevada Range and Monitoring Handbook.

Creating collaboration and consensus across many diverse groups of stake-holders. Taking a leadership role in addressing the highly controversial and politically charged issue of overgrazing by free-roaming horses on public lands.

There is a saying that ‘people won’t care how much you know until they know how much you care’. Anyone who has met and worked with Sherm is left with little doubt about the depth of his caring.

Sherm cares for the land and for people who with utter sincerity, an approach that has led to positive outcomes on Nevada’s rangelands time and time again.

fellow award

DR. HUMBERTO PEROTTO



Dr. Perotto exemplifies the highest standards of service, scientific contribution, and mentorship within both the Texas Section and the Parent Society for Range Management (SRM). With more than two decades of continuous, impactful engagement in rangeland science and management, primarily within Texas, Dr. Perotto has made indelible contributions to the mission of SRM through research excellence, professional service, educational leadership,

and outreach. Dr. Perotto’s roots in Texas rangeland science began with his graduate education at Texas A&M University, where he earned both his M.S. and Ph.D. Since then, his professional trajectory has been marked by deep engagement with the Texas rangeland community. His current role as Associate Professor and Joan Kelleher Endowed Professor in the Department of Rangeland, Wildlife, and Fisheries Management at Texas A&M University positions him as a leading figure in research and education, with prior appointments at Texas A&M University-Kingsville. He has trained 44 graduate students and mentored many more professionals, many of which are now active members of SRM. Dr. Perotto has authored and co-authored over 80 peer-reviewed journal articles and conference proceedings, and 22 popular articles, multiple of which directly address key issues to the Texas rangeland community: woody plant encroachment, habitat fragmentation, invasive species, and the use of drone technologies in rangeland monitoring. He has authored and co-authored 300 abstracts at professional society meetings and has served as chair of committees and the Advisory

Council at SRM. His visibility and consistent presence at SRM events make him a cornerstone of the Society's scientific discourse.



CHAD BOYD

Dr. Chad Boyd works for the USDA-Agricultural Research Service as a Rangeland Scientist and Research Leader in Burns, OR at the Eastern Oregon Agricultural Research Center (EOARC). As Research Leader, Dr. Boyd supervises seven rangeland research scientists in addition to maintaining his research program. Dr. Boyd has an impressive research record that includes 200 publications (peer-reviewed and industry) and more than \$2 million in research grants.

Dr. Boyd has been instrumental in applying rigorous science to conserving and managing habitat for greater sage-grouse and other wildlife species in sagebrush rangelands. His consistent engagement as a science liaison to many federal, state, and local working groups has resulted in important policy and management decisions for sage grouse and sage steppe conservation. Dr. Boyd's leadership has created a collaborative and unique research culture at the EOARC that has produced internationally recognized science and elegant outreach tools and frameworks for managing semi-arid rangelands. Dr. Boyd has also given his expertise to SRM by participating in numerous committees such as Watershed and Riparian, and the Wildlife Habitat. He has also serves as a consistent reviewer for Rangeland Ecology and Management, served as both an Associate Editor for REM and as a Guest Editor for several REM and Rangelands special issues. Finally, Dr. Boyd cares about educating the next generation of rangeland scientists, managers, and practitioners through the creation of Science in the Sage Steppe, a college student range camp that integrates the latest scientific knowledge of rangeland ecology with land management decision-making and practices. Dr. Boyd has organized curriculum for Science in the Sage Steppe since its inception in 2014, benefitting hundreds of undergraduate students from western US universities learning the art and science of range management.

plenary sessions

We are grateful for funding for the speakers provided by SRM, and the Russell L. Rustici endowments at UC Davis and UC Berkeley. Russell L. Rustici was a Lake County cattle rancher and philanthropist with a deep interest in cattle ranching and preservation of rangeland ecosystems.

monday, feb. 9th

8AM-10AM

Room: Steinbeck Ballroom

AGENDA

8am-8:15am: Welcome and Announcements: Stephanie Larson, Annual Meeting Chair

8:15am-8:40am: Secretary of the California Department of Food and Agriculture, Karen Ross. Chief of staff for U.S. Agriculture Secretary Tom Vilsack 2009-2019, President of the California Association of Winegrape Growers from 1996- 2009, Vice-President of the Agricultural Council of California from 1989-1996.

8:45am-9:10am: The Geography of Californian Rangelands. Jim Bartolome, Professor of the Graduate School, Dept of Environmental Science, Policy & Management, UC Berkeley, taught range management for more than 40 years.

9:10am-9:35am: Leveraging Local Knowledge for Active Management of Rangelands: The Impacts of Catastrophic Fire. Dr. Dave Daley, 5th generation rancher, Butte County, professor and Dean College of Agriculture at California State University, Chico, ret. Former president of California Cattlemen's Association, Chair, California Public Lands Council, numerous leadership positions advocating for farmers and ranchers.

9:35am-10am: Cultural and Ecological Revitalization of Californian Coastal Rangelands. Dr. Alexii Sigona, Amah Mutsun Tribe, Post-doctoral scholar, UC Davis, Dissertation Title: Revitalizing Stewardship: Amah Mutsun Tribal Band Land Access through Collaborative Caretaking.

tuesday, feb. 10th

SPECIAL TIME: 9AM-10AM
Room: Steinbeck Ballroom

**GRAB A COFFEE IN THE TRADE SHOW FROM 8AM-9AM
BEFORE THE PLENARY STARTS!**

AGENDA

9am-9:10am: Welcome & Introductions

9:10am-9:35am: Floods, Droughts, Surveys and Debt: How the Ranchos Lost their Land. Dr. Nathan Sayre, Professor, Department of Geography UC Berkeley, and author, Politics of Scale.

9:35am-9:55am: Global Significance of Rangelands and Pastoralists: The IYRP

Dr. Maryam Niamir-Fuller, Co-chair and Senior Advisor to the Global Alliance for Rangelands and Pastoralists supporting the International Year of Rangelands and Pastoralists in 2026, independent consultant on international sustainability issues, Director of UNEP-Global Environmental Facility, ret.

12:15-1:10: Fireside Chat, Lunch and Learn event . Lynn Huntsinger, professor of Rangeland Management, talks with Nicolette Hahn Niman, livestock rancher, environmental attorney, and author of Defending Beef: the Case for Sustainable Meat Production.

wednesday, feb. 11th

8AM-10AM
Room: Steinbeck Ballroom

AGENDA

Speaker Presentations: 8am-9am

Panel Discussion: 9am-10am

MODERATORS:

Layne Coppock and Lauren Svejcar

8am-8:12am: Kaitlynn Glover, Executive Director of the Public Lands Council and Executive Director for Government Affairs for the National Cattlemen's Beef Association: "Challenges for the Sustainability of Rangeland Systems in the USA"

8:12am-8:24am: Igshaan Samuels, Senior Scientist, Agricultural Research Council of South Africa, and Co-Chair of the IYRP Global Alliance (virtual): "Challenges for the Sustainability of Rangeland Systems in Southern Africa"

8:24am-8:36am: Anders Oskal, Secretary General of the Inter-

national Center for Reindeer Husbandry, Kautokeino, Norway: “Challenges for the Sustainability of Rangeland Systems in the Arctic”

8:36am-8:48am: Dana Kelly, Co-chair, Secretariat for the International Rangeland Congress and Adjunct Professor, Center for Applied Climate Sciences, University of Southern Queensland, Toowoomba, Australia (virtual): “Challenges for the Sustainability of Rangeland Systems in Australia”

8:48am-9am: Javier Ochoa-Espinoza, Professor and Researcher, Department of Renewable Natural Resources Universidad Autónoma Agraria Antonio Narro, Saltillo, México: “Challenges for the Sustainability of Rangeland Systems in northern Mexico”

9am-10am: Panel Discussion

plenary bios



KAREN ROSS

KAREN ROSS was appointed Secretary of the California Department of Food and Agriculture on January 9, 2019 by Governor Gavin Newsom. In re-appointing Secretary Ross, Governor Newsom cited her unmatched leadership experience in agricultural issues nationally, internationally, and here in California, in areas including environmental stewardship, climate change adaptation, and trade. Secretary Ross was initially appointed by Governor Edmund G. Brown Jr. in 2011.

Before joining CDFA, Secretary Ross was chief of staff for U.S. Agriculture Secretary Tom Vilsack, a position she accepted in 2009. Prior to that appointment, she served as President of the California Association of Winegrape Growers from 1996- 2009, and as Vice-President of the Agricultural Council of California from 1989-1996. Her prior experience before moving to California included staff work for a United States Senator, a presidential candidate, and government relations for rural electric cooperatives and public power districts.

Secretary Ross is passionate about fostering the reconnection of consumers to the land and the people who produce their food, and to improving the access of all California citizens to healthy, nutritious California-grown agricultural products, celebrated for their diversity and abundance in serving local, national and global

markets.

During Secretary Ross' tenure, the Department has focused on core functions to protect and promote California agriculture, investing in the Department's employees to provide the best service to farmers, ranchers and consumers and fostering an agricultural industry that embraces its role as a global leader on everything from the most technical aspects of farming to the broadest environmental imperatives.

Secretary Ross has strengthened partnerships across government, academia and the non-profit sector in the drive to maintain and improve environmental stewardship and to develop adaptation strategies for the specific impacts of climate change. She has initiated programs to provide greater opportunities for farmers and ranchers to engage in sustainable environmental stewardship practices through water conservation, energy efficiency, nutrient management, and ecosystem services; and she has worked to provide greater access to farm-fresh foods at school cafeterias through CDFA's Farm to Fork Program.

Secretary Ross grew up as a 4-H kid on a farm in western Nebraska. She owns 800 acres of the family farm where her recently retired younger brother, a fourth-generation farmer, is mentoring a new, beginning farmer in growing no-till wheat and feed grains, incorporating cover crops and rotational grazing for beef production. The Secretary has a Bachelor of Arts degree from the University of Nebraska-Lincoln and is a graduate of the Nebraska Ag Leadership Program. She has served on numerous boards and committees in California agriculture and with various academic institutions.



JIM BARTOLOME

Dr. James Bartolome has had an outsized impact on California rangeland science and management. Over his decades-long career as a Professor of Rangeland Ecology and Management in the Department of Environmental Science, Policy & Management at University of California Berkeley. His impact is so profound, in part, because of the variety of his contributions. These include copious peer-reviewed scientific articles and book chapters; but he's gone beyond publishing scientific findings. As a prominent advisor

to local, state, and federal agencies, and through his close work with UC Cooperative Extension, he's translated science into policy and management action. He was pivotal in the development of the

Certified Rangeland Manager license, ensuring that advising on CA rangelands is conducted by professionals with scientific training in range management. By graduating more than 50 master's and 15 PhD students over his career, he has ensured the continuation of scientific-based rangeland management in the State. Early research with his major professor Harold Heady helped define California Annual Grassland species and production dynamics, resiliency to drought, fire, and freezing, associated with seedbanks, weather variation, and management effects.



DAVID A. DALEY

Dr. Daley is a native Californian and a fifth-generation cattle producer from Butte County, CA. He owns and operates ranches near Oroville, CA, alongside his son Kyle. Daley is also a leader in California's beef industry, holding leadership positions at the local, state, and national levels. Dr. Daley earned his MS and PhD from Colorado State University in Animal Science, after completing his BS at California State University, Chico. Dr. Daley is a professor emeritus at CSU, Chico. For more than 30 years he served on the faculty in multiple leadership positions, and as the Director of the Agricultural Teaching and Research Center. Daley taught a wide array of courses, primarily in animal sciences, but also courses focusing on agricultural issues that broadly impact society. Daley's family has grazed cattle on United States Forest Service grazing permits in the Plumas National Forest for generations, making him well versed in the issues public lands ranchers face and passionate about preserving public lands grazing, leading him to serve in multiple leadership positions. He is past chair of the California Public Lands Council, and past chair of the National Cattlemen's Beef Association's Federal Lands Committee. He currently is the California representative on the Board of Directors of the Public Lands Council.



ALEXII SIGONA

Earning his PhD at Berkeley, Dr. Alexii Sigona is currently a postdoctoral fellow in the Department of Native American Studies at UC Davis. I-Ie received his Ph.D. in the Department of Environmental Science,

Policy, and Management at UC Berkeley. His dissertation, *Revitalizing Stewardship: Amah Mutsun Tribal Band Land Access through Collaborative Caretaking*, examines questions of land access and environmental governance for non-federally recognized Tribal nations. He serves as the chair of the Lands Committee of the Amah Mutsun Land Trust, as a leader of the Amah Mutsun Youth Group, and is on the Native American Advisory Council for the University of California Division of Agriculture and Natural Resources.



NATHAN SAYRE

Dr. Nathan Sayre is a professor of geography at Berkeley. He studies the ways people use, govern, study and value landscapes: how environments are managed and mismanaged, exploited and conserved, enlisted to produce power, profit and knowledge, sometimes successfully and other times not. Working with and across multiple disciplines, Dr. Sayre is particularly interested in understanding how various social and ecological factors

interact to alter natural and built environments. He specializes in rangelands. Most of his field work has taken place in Arizona and New Mexico, while I have done archival and historical research on rangelands of the western US, North America, and the world.

Rangelands can teach us a great deal about the assumptions and limits of capital, the state and science, precisely because they are almost always marginal and marginalized vis-à-vis dominant political and economic forces. Dr Sayre has authored numerous books and articles, including *The Politics of Scale: A History of Rangeland Science*, *Working Wilderness: The Malpai Borderlands Group and the Future of the Western Range*, and *The New Ranch Handbook, and Ranching, Endangered Species, and Urbanization in the Southwest: Species of Capital*.



MARYAM NIAMIR-FULLER

Earning a PhD in Rangeland Management from the University of Arizona in 1987, Dr. Maryam Niamir-Fuller worked as a consultant early in her career, including as a researcher on a USAID rural development project in southern Sudan; as the Chief of Party for a USAID livestock development project in Senegal; and designing GEF-funded projects in Argentina, Haiti,

Morocco, Kenya, Burkina Faso, and Uganda. She worked for the United Nations System in various positions from 1993 until 2015 when she retired as Director of the Global Environment Facility (GEF) Division of the United Nations Environment Programme. She also acted as Special Advisor to the UNEP Executive Director for the development and adoption of the Sustainable Development Goals. Her notable publications include several reports for FAO and IFAD related to pastoralist women and herder's traditional knowledge (1987/88); "Managing Mobility: the legitimization of transhumance" (1999), "Co-existence of Wildlife and Livestock" (2012), and more recently several journal publications on pastoralism, rangelands and sustainable development. She helped initiate a process in 2016 to designate the International Year of Rangelands and Pastoralists (IYRP 2026) and has been Co-Chair (2015-2022) and Special Advisor (2023- present) of the IYRP Global Alliance.

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lunch & learn

REMOVING RANCHING FROM THE POINT REYES NATIONAL SEASHORE: WHY SHOULD WE CARE?

tuesday, feb. 10th

NOON-1:20PM

Room: Steinbeck Ballroom

****HOSTED LUNCH Session for ALL meeting attendees****

Grab a boxed lunch and take a seat for a Fireside Chat...
Removing Ranching from the Point Reyes National Seashore:

Why Should We Care? Nicolette Hahn Niman, livestock rancher, environmental attorney, and author of *Defending Beef: the Case for Sustainable Meat Production*, talks with Lynn Huntsinger, professor of Rangeland Management.



NICOLETTE HAHN NIMAN

A rancher, attorney, and writer, Nicolette Niman spends much of her time speaking and writing about the problems of industrialized livestock production. This has led her to write books that explore the topic in-depth, such as *Defending Beef: the Case for Sustainable Meat Production*, *Righteous Porkchop: Finding a Life and Good Food Beyond Factory Farms* and *Defending Beef*. In *Defending Beef*, she argues that properly managed cattle are essential for healthy ecosystems, not harmful, and that grass-fed beef is a nutritious food source.

The book challenges the idea that beef is inherently bad for the environment, proposing that well-managed grazing can sequester carbon, enhance biodiversity, and prevent desertification, while also debunking health myths about beef and saturated fat. She has also written numerous articles in outlets like *The New York Times*, *The Atlantic*, *Previously*, she was the senior attorney for the environmental organization *Waterkeeper Alliance*, where she was in charge of the organization's campaign to reform the concentrated livestock and poultry industry, and before that an attorney for the *National Wildlife Federation*.

producer's forum

Thank you U.S. Roundtable for Sustainable Beef, California Rangeland Conservation Coalition (CRCC), CalGLC, Paicines Ranch, Audubon Conservation Ranching, The Western Center and California Rangeland Trust (CRT) for Sponsoring this year's Producer Forum events!

The Western Center



CALIFORNIA RANGELAND *Trust*

sunday:

PRODUCER FORUM TOUR; 7:30AM-5PM

monday:

ALL DAY PRODUCER FORUM; 10:20AM-5PM
Room: Ferrantes Bayview

MONDAY: GREET AND GRAZE EVENT; 5PM-6PM
Room: Ferrantes Bayview

TUESDAY: YOUNG PRODUCER'S FORUM; 10:20AM-NOON
Room: Ferrantes Bayview

full schedule

monday, feb. 9th

MONDAY AT-A-GLANCE

See here for a snapshot of what's in store on Mon. Feb. 9th, read on in the program for full details and room assignments for each session.

8AM-10AM.....PLENARY SESSION

8AM-NOON.....URME EXAM

10AM-10:20AM.....COFFEE IN THE TRADE SHOW

10:20AM-NOON

UNDERGRAD EXTEMPORANEOUS SPEAKING CONTEST:
ROOM 1

UNDERGRAD EXTEMPORANEOUS SPEAKING CONTEST:
ROOM 2

SYMPOSIA: PRODUCERS FORUM

SYMPOSIA: NAVIGATING PUBLIC PERCEPTION OF TARGET-
ED GRAZING

SYMPOSIA: CHARACTERIZING THE SOLAR SAVANNAH:
INTEGRATED RESEARCH INSIGHTS INTO A NOVEL GRAZING
ECOSYSTEM

SYMPOSIA: PLOT-BASED ECOLOGICAL SITE CLASSIFICA-
TION TO SUPPORT CONSERVATION GRAZING OBJECTIVES
IN CALIFORNIA RANGELANDS

SYMPOSIA: UNCAGED: HOW BIRD-FRIENDLY RANCHING IS
FORGING NEW ALLIANCES ON RANGELANDS

WORKSHOP: IYRP 2026 STAKEHOLDER ACTION-PLANNING
FOR NORTH AMERICA

CONTRIBUTED ORAL SESSION: VIRTUAL FENCE 1

CONTRIBUTED ORAL SESSION: FIRE MANAGEMENT/FUELS
& GRAZING 2

CONTRIBUTED ORAL SESSION: INVASIVES 2

CONTRIBUTED ORAL SESSION: RANGELAND PLANTS AND
FORAGE 1

CONTRIBUTED ORAL SESSION: RESTORATION 7

MONDAY, FEBRUARY 9TH

NOON-1:20PM

**STUDENT CONCLAVE BUSINESS LUNCH
PAST PRESIDENT'S LUNCH**

1:20PM-3PM

SYMPOSIA: PRODUCERS FORUM

**SYMPOSIA: LIVESTOCK FORAGING BEHAVIOR: PRACTICAL
USE OF PRECISIONS TECHNOLOGIES FOR GRAZING
ANIMAL MANAGEMENT**

**SYMPOSIA: MEETING THE MOMENT: CURRENT RESEARCH
TO EFFECTIVELY SCALE TARGETED GRAZING FOR FIRE AND
INVASIVE PLANT MANAGEMENT**

**SYMPOSIA: RANGELAND ETHNOBOTANY: ECOLOGY AND
MANAGEMENT OF CULTURALLY SIGNIFICANT PLANTS**

**WORKSHOP: IYRP 2026 STAKEHOLDER ACTION-PLANNING
FOR NORTH AMERICA**

**WORKSHOP: RESIDUAL DRY MATTER ON CALIFORNIA
RANGELANDS – A REVIEW OF ITS SCIENCE, UPDATES ON
NEW APPLICATIONS, AND RECOMMENDATIONS FOR
COLLECTION TECHNIQUES**

CONTRIBUTED ORAL SESSION: SOIL HEALTH 1

**CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES
BIODIVERSITY 1**

CONTRIBUTED ORAL SESSION: RESTORATION 1

**CONTRIBUTED ORAL SESSION: REMOTE SENSING &
MODELING 4**

**CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES
WILDLIFE 1**

3PM-3:20PM.....COFFEE BREAK IN THE TRADE SHOW

3:20PM-5PM

SYMPOSIA: PRODUCERS FORUM

**SYMPOSIA: MEETING THE MOMENT: CURRENT RESEARCH
TO EFFECTIVELY SCALE TARGETED GRAZING FOR FIRE AND
INVASIVE PLANT MANAGEMENT**

**SYMPOSIA: RANGELAND ETHNOBOTANY: ECOLOGY AND
MANAGEMENT OF CULTURALLY SIGNIFICANT PLANTS**

**WORKSHOP: IYRP 2026 STAKEHOLDER ACTION-PLANNING
FOR NORTH AMERICA**

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WORKSHOP: RESIDUAL DRY MATTER ON CALIFORNIA RANGELANDS – A REVIEW OF ITS SCIENCE, UPDATES ON NEW APPLICATIONS, AND RECOMMENDATIONS FOR COLLECTION TECHNIQUES

IGNITE: BOLSTER THE RANGE PROFESSION

CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES BIODIVERSITY 3

CONTRIBUTED ORAL SESSION: RESTORATION 2

CONTRIBUTED ORAL SESSION: GRAZING

CONTRIBUTED ORAL SESSION: REMOTE SENSING & MODELING 3

CONTRIBUTED ORAL SESSION: INVASIVES 3 RANGELAND CUP

EVENING EVENTS

5PM-6:30PM.....POSTER SESSION #1

5:30PM-7PM.....CRT MOVIE SCREENING: YOU JUST CAN'T SEE THEM FROM THE ROAD

6PM-8PM.....YPC BUSINESS MEETING

full monday schedule

8AM-10AM.....PLENARY SESSION
*Room: Steinbeck Ballroom
(Monterey Conference Center--MCC)*

10:20AM-5PM.....UNDERGRADUATE EXTEMPORANEOUS SPEAKING CONTEST
Rooms: Santa Monica and San Diego (Marriott)

10:20AM-NOON.....SYMPOSIUM: PRODUCERS FORUM (FULL DAY)
Room: Ferrantes Bayview (Marriott)

SESSION ORGANIZER:

Cal-Pac Producer's Forum Committee

SESSION DESCRIPTION:

The Cal-Pac section and the California Grazing Lands Coalition are excited to bring two days of practicums highlighting range live-stock production content for producers at the 2026 Annual Meeting in Monterey. We kick off the event on Sunday with a field day exploring Cowboy Corridors in a CA Central Coast context, and a stockmanship discussion and demonstration at a ranch setting and scale. Monday, we move inside to learn practical, in-the-field veterinarian skills for ranchers, discuss principles of building a low-input

herd for profitable businesses and resilient landscapes, and a discussion with California and Hawaii ranchers who are navigating the complexities of Golden State and Island ranching.

AGENDA

- 10:20am-12:00pm: Building a low input herd for sustained profit and long-term resource sustainability:
- 1:20pm-3pm: Herd health diagnostics for producers
- 3:20pm -5pm: Ranchers as a Keystone Species: Culture, Ecology and Economics

10:20AM-NOON.....SYMPOSIUM: NAVIGATING PUBLIC PERCEPTION OF TARGETED GRAZING
Room: Bonsai II (Portola)

SESSION ORGANIZER:
Katherine White

SESSION DESCRIPTION:
Targeted Grazing has gained popularity as a land management tool in recent years. In California, given the state's growing wildfire risk, many groups have turned to targeted grazing as a cost-effective and ecologically sensitive alternative to mechanical or chemical vegetation removal. Despite its benefits, the public remains generally unfamiliar with the practice. Effective communication and public engagement are critical to prevent misconceptions. This symposium will explore how rangeland managers can better connect with the public. Speakers in this session will include targeted graziers, agency personnel, and land managers who hire graziers to discuss bridging the gap between practice and perception.

10:20AM-NOON.....SYMPOSIUM: CHARACTERIZING THE SOLAR SAVANNAH: INTEGRATED RESEARCH INSIGHTS INTO A NOVEL GRAZING ECOSYSTEM
Room: Colton II (MCC)

SESSION ORGANIZER:
Anna Clare Monlezun

SESSION DESCRIPTION:
The solar savanna is a novel ecosystem where ecological function, solar energy generation, and animal performance are mutually prioritized. The integration of sheep grazing and solar PV is the most practiced form of "agrivoltaics." Despite its rapid expansion, we have a limited understanding of the layered ecological impacts of livestock grazing and solar PV infrastructure. Our long-term seven-year study uses traditional rangeland science methods to characterize the ecosystem dynamics within an agrivoltaic grazing

MONDAY, FEBRUARY 9TH

system. Our research also seeks to understand how to responsibly shift from sheep to cattle integration on the solar savanna, and our research supports this agrivoltaic future.

AGENDA

10:20-10:35: The state of agrivoltaics grazing in research and in practice: Anna Clare Monlezun

10:35-10:50: Introducing the solar savanna: Nick de Vries

10:50-11:05: A rancher's experience with solar sheep grazing and research partnerships: John Benoit

11:05-11:20: Soil, vegetation, and microclimate dynamics in the solar savanna: Taylor Bacon

11:20-11:35: Using eddy covariance to understand carbon and water flux in a solar savanna: Rebecca Mitchell & Rob Clement

11:35-11:50: Modeling a novel ecosystem using the DayCent biogeochemical model: Keith Paustian

11:50-12:00: Q&A

10:20AM-NOON.....SYMPOSIUM: PLOT-BASED ECOLOGICAL SITE CLASSIFICATION TO SUPPORT CONSERVATION GRAZING OBJECTIVES IN CALIFORNIA RANGELANDS *Room: Bonsai I (Portola)*

SESSION ORGANIZER:

Felix Ratcliff

SESSION DESCRIPTION:

This session will highlight recent research into the development and application of plot-based ecological site classification at the scale of the ranch or ecological preserve. Of particular importance in California, where public Ecological Site Descriptions (ESDs) are unavailable or provisional for many rangeland areas, the session will explore methods for classifying ecological sites, their use for multiple-objective planning and decision-making, and specific applications for conservation, restoration, and fuel reduction. Presentations will highlight results from the San Diego Association of Governments (SANDAG)-funded grazing monitoring study in San Diego County, emphasizing the importance of conservation partnerships in building effective models.

AGENDA

10:20am-10:40am: Introduction to data-driven ecological site classification – definitions, methods for development and applications to range management: Felix Ratcliff

10:40am-11:00am: History of ecological site model concept and the use of ecological sites in a management framework: James Bartolome

11:00am-11:15am: Multiple stakeholder coalitions to support ef-

fective ecological site model development and implementation:
Sarah McCutcheon

11:15am-11:25am: Going from plot-based to landscape classification:
Anson Tan

11:25am-11:40am: Using ecological site models to evaluate grazing impacts on biodiversity – Plants and Insects: Kaveh Motamed and Armando Valencia

11:40am-12:00pm: Using ecological sites and the Rangeland Analysis Platform (RAP) to guide adaptive grazing for vegetation conservation – a case study from the Jornada: Sheri Spiegel

**10:20AM-NOON.....SYMPOSIUM: UNCAGED:
HOW BIRD-FRIENDLY RANCHING IS FORGING NEW
ALLIANCES ON RANGELANDS**
Room: Redwood (Portola)

SESSION ORGANIZER:

Shana Risby, Senior Outreach Coordinator, Audubon Conservation Ranching

SESSION DESCRIPTION:

Audubon's Conservation Ranching program is reaching new audiences by uniting ranchers, food advocates, bird experts, and conservationists through its "Grazed on Bird-Friendly Land" certification, a model that links healthy rangelands with bird populations and resilient food systems. This symposium will feature a panel of California-based collaborators sharing how strategic partnerships can create opportunities for ranchers, support sustainable sourcing for chefs, and advance grassland bird conservation. Together, these voices will highlight how food and birds intersect to inspire collaboration and strengthen both our landscapes and our food systems.

AGENDA

10:20 – 10:45 a.m.: A Bird's Eye View of Audubon's Conservation Ranching Program
Grace Ferguson, Program Manager, Audubon Conservation Ranching

10:45 – 11:05 a.m.: Stewarding Rangelands for Birds and People
Joe Morris, Morris Grassfed

11:05 – 11:10 a.m.: Stretch break/ Guided break/ Movement break

11:10 – 11:30 a.m.: Partnering with Local Land Stewards for Bird Conservation - Monterey Audubon Society

11:30 – 11:50 a.m.: A Chef's Perspective to Land & Flavor
Dennis Sydnor, Culinary Manager, Alchemist

11:50 – 12 p.m.: Group reflection

**10:20AM-NOON.....WORKSHOP: IYRP WORKSHOP ACTION
PLANNING FOR NORTH AMERICA**
Room: Colton I (MCC)

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SESSION ORGANIZER:

Layne Coppock

SESSION DESCRIPTION:

This gathering will follow up on four previous SRM workshops held at Albuquerque, Boise, Sparks, and Spokane. The focus will be to refine a North American Action Plan for the 2026 International Year of Rangelands and Pastoralists (IYRP). Presentations will include project updates for the USA, Mexico, and Canada. Overall, the workshop will focus on how best to increase public awareness about rangelands and empower stakeholders to generate positive on-the-ground impacts for rangeland systems. This workshop will be organized across three parts on the same day.

AGENDA PART 1:

10:20am-10:40am: Welcome and review of progress for 2025:
Layne Coppock

10:40am-11:00am: Update on the IYRP North America documentary film project & Arizona celebrations; Barb Hutchinson

11:00am-11:20am: Update on an arts-based IYRP rangelands exhibit for your community—what’s up, how to get one, and customization; Stephen Bramwell

11:20am-11:40am: Update on Mexico’s strategy for the IYRP 2026; Javier Ochoa-Espinoza

11:40am-12:00pm: Update on the SRM President’s Prize; Layne Coppock

10:20AM-NOON.....CONTRIBUTED ORAL SESSION: VIRTUAL FENCE 1

Room: San Carlos IV (Marriott)

Dawson Uhl: Evaluating Virtual Fencing for Managing Cattle Grazing in Riparian Areas in the Northern Great Plains

Sean Kearney: Using near-real-time interactive maps for precision rangeland management: examples from the High Plains

Anthony Vorster: Integrating Virtual Fencing and Remote Sensing for Improved Pasture Design and to Characterize Grazing Patterns

Elias Velasquez Moreno: Assessing the impacts of virtual fence technology on grazing behavior, distribution, and growth performance on range beef cattle

Nicole Keefner: Virtual Fencing Applications: BLM California

10:20AM-NOON.....CONTRIBUTED ORAL SESSION: RESTORATION 7

Room: Los Angeles (Marriott)

Hunter Geist-Sanchez: Targeted species selection and seed sowing to slow bare ground expansion in rangelands

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Seth Dettenmaier: Behaviorally Informed Conifer Management: Identifying Ecological Traps for Sage-Grouse to Guide Targeted Restoration

Michelle Jeffries: Improving the rationale for monitoring method selection: A systematic evaluation for rangelands

Shaelyn Rainey: Soil Health Changes During Native Grass Reclamation of Former Cropland

Josh De Santiago: Chain Harrowing, Seed Coating, and Microbial Inoculants to Improve Broadcast Seeding Success on Reclaimed Waste Rock Dumps

**10:20AM-NOON.....CONTRIBUTED ORAL SESSION:
INVASIVES 2
Room: San Carlos II (Marriott)**

Josh Davy: Herbicide applications in California dryland perennial grasses improve forage yield and crop coverage

John Brock: Red bromegrass and red sprangle control with herbicides in a desert grasslands vegetation type.

Justin Luong: Mechanisms of multi-year secondary invasion across California grasslands

Derek Tilley: Defending Core Rangelands: New Resources to Reduce Conifer Encroachment in the Northwest Great Plains

Alex Stoneburner: Evaluating annual grass control with indaziflam at US National Parks in the desert southwest

**10:20AM-NOON.....CONTRIBUTED ORAL SESSION:
RANGELAND PLANTS AND FORAGE 1
Room: San Carlos I (Marriott)**

Kelley Mundy: The Potential Effect of Environmental Changes on Herbicide Use in Managing Woody Plant Encroachment

Rosalie Terry: Change on the range: Characterizing tallgrass prairie plant community pathways between grazing states and the impact of nitrogen addition and insect loss

Melissa Burrell: Impacts of arbuscular mycorrhizal fungi on plants in degraded soils

Andrew Antaya: Ranch Reports: An Integrated Decision Support Tool to Estimate Forage Quantity and Quality for Land Managers

Massimiliano Shea: Seed and seedling functional traits reflect plant economic spectra within seven days of germination

**10:20AM-NOON.....CONTRIBUTED ORAL SESSION:
FIRE MANAGEMENT/FUELS & GRAZING 2
Room: San Carlos III (Marriott)**

MONDAY, FEBRUARY 9TH

Raechel Hunsaker: Wildfire Education in the Western US: Reviewing Precollege Standards and Opportunities for Integration

Martin Holdrege: Grazing as a Climate Adaptation Tool Leads to Regional Trade-offs Between Fire and Vegetation Outcomes in Sagebrush Ecosystems

Katherine Wollstein: Fire experience shapes perceptions of rangeland fuel conditions and their consequences

Marco Donoso: Community restructuring by fuel reduction treatments influences post-wildfire recovery in sagebrush ecosystems

Marc Hornery: The California Vegetation Treatment Program (CalVTP) and Beyond: Expanding the pace and scale of vegetation treatment with prescribed herbivory

NOON-1:20PM.....LUNCH (ON YOUR OWN)

1:20PM-3PM.....SYMPOSIUM: PRODUCERS FORUM
Room: Ferrantes Bayview (Marriott)

SESSION ORGANIZER:

Cal-Pac Producer's Forum Committee

SESSION DESCRIPTION:

The Cal-Pac section and the California Grazing Lands Coalition are excited to bring two days of practicums highlighting range livestock production content for producers at the 2026 Annual Meeting in Monterey. We kick off the event on Sunday with a field day exploring Cowboy Corridors in a CA Central Coast context, and a stockmanship discussion and demonstration at a ranch setting and scale. Monday, we move inside to learn practical, in-the-field veterinarian skills for ranchers, discuss principles of building a low-input herd for profitable businesses and resilient landscapes, and a discussion with California and Hawaii ranchers who are navigating the complexities of Golden State and Island ranching.

****continued from 10:20am-Noon session**

AGENDA

1:20pm-3pm: Herd health diagnostics for producers

3:20pm -5pm: Ranchers as a Keystone Species: Culture, Ecology and Economics

1:20PM-3PM.....SYMPOSIUM: LIVESTOCK FORAGING BEHAVIOR: PRACTICAL USE OF PRECISIONS TECHNOLOGIES FOR GRAZING ANIMAL MANAGEMENT
Room: Bonsai I (Portola)

SESSION ORGANIZERS:

Colin Tobin, Noah Davis

SESSION DESCRIPTION:

The focus of this symposium is to showcase the applied use of emerging technologies available to livestock and land stewards. Off-the-shelf technologies have enhanced our ability to track, identify, and influence animal behavior across the landscape. This symposium will provide a valuable opportunity for professionals to engage and strengthen collegiality among users. Expected content will include research-based, private-sector, and federal applications of these working technologies. Skills covered in this interactive educational experience will include data collection and management techniques for on-animal sensors, as well as the practical use of technology in land management.

1:20PM-3PM.....SYMPOSIUM: MEETING THE MOMENT: CURRENT RESEARCH TO EFFECTIVELY SCALE TARGETED GRAZING FOR FIRE AND INVASIVE PLANT MANAGEMENT
Room: Bonsai II (Portola)

SESSION ORGANIZERS:

Kelly Hopping, Briana Swette

SESSION DESCRIPTION:

Interest in the use of targeted grazing by livestock as a vegetation management strategy is growing, and case studies on its application have proliferated. However, uncertainty remains about how the practice can be effectively and sustainably scaled up across environmental and institutional contexts. To advance understanding of targeted grazing's potential to manage invasive plants, fuels, and post-fire restoration, this session brings together field experiments, modeling, and regional syntheses not only of targeted grazing projects, but also of land managers' perspectives. Presentations will highlight emerging social and ecological considerations as targeted grazing continues to move into the mainstream.

AGENDA

- 1:20pm-1:40pm: Evaluating effectiveness of small ruminant grazing in post-fire restoration: Dan Macon
- 1:40pm-2:00pm: Targeted grazing by sheep and cattle: a tool for modifying fire behavior: April Hulet
- 2:00pm-2:20pm: Performance of cattle grazing medusa-head rangelands during the dormant season: Will Price

2:20pm-2:40pm: Estimating forage utilization under targeted grazing: challenges and opportunities: Kyle Palmquist
2:40pm-3:00pm: Social-ecological perspectives on cheatgrass targeted grazing with sheep: Kelly Hopping

1:20PM-3PM.....SYMPOSIUM: RANGELAND ETHNOBOTANY: ECOLOGY AND MANAGEMENT OF CULTURALLY SIGNIFICANT PLANTS
Room: Colton II (MCC)

SESSION ORGANIZER:

Bryan Endress and Maren Peterson

SESSION DESCRIPTION:

Millions of people rely on rangeland plants for more than forage; plants are used for food, medicine, fiber, and more; they are an important component people's livelihoods, food systems, economies, and cultural practices. Yet, research on culturally significant plants within the rangeland discipline is nearly non-existent, and research, management, policy and governance rarely acknowledge or address harvest, use, access and management issues. This symposium will: 1) provide a global overview of rangeland ethnobotany, 2) present current research addressing harvest, ecology, restoration and management, 3) explore current and emerging issues and themes, and 4) identify applied research opportunities that address needs, gaps and challenges.

AGENDA

1:20-2:00: "Looking After the Meadows": Care of Traditional Root vegetables by First Nations of Southern Vancouver Island. Nancy Turner.

2:00-2:20: Tanán tkwátat & tawtnúk and future management plans. Rosa Arellanes and Cheryl Shippentower.

2:20-2:40: Treaty Rights and Access for Tribes to culturally significant medicines, foods, and materials. Colleen Friday

2:40-3:00: A First Foods approach to guide rangeland management and applied research. Bryan Endress
Session Continues at 3:30pm

1:20PM-3PM.....WORKSHOP: IYRP WORKSHOP ACTION PLANNING FOR NORTH AMERICA
Room: Colton I (MCC)

SESSION ORGANIZER:

Layne Coppock

SESSION DESCRIPTION:

This gathering will follow up on four previous SRM workshops held at Albuquerque, Boise, Sparks, and Spokane. The focus will be to

refine a North American Action Plan for the 2026 International Year of Rangelands and Pastoralists (IYRP). Presentations will include project updates for the USA, Mexico, and Canada. Overall, the workshop will focus on how best to increase public awareness about rangelands and empower stakeholders to generate positive on-the-ground impacts for rangeland systems. This workshop will be organized across three parts on the same day.

***continued from 10:20am-Noon session*

AGENDA PART 2:

- 1:20pm-1:40pm; Update on IYRP in Nebraska--opportunity to raise grassland awareness; Bob Broweleit
- 1:40pm-2:00pm; Update on IYRP activities in Canada; Barry Irving
- 2:00pm-2:20pm; Update on IYRP proclamation and resolution activities; Mark Thorne
- 2:20pm-2:40pm; Update on building public awareness for global rangelands via social media and the World Cup 2026; Flavie Audoin
- 2:40pm-3:00pm; Discussion Q&A; Lauren Svejcar (moderator)

1:20PM-3PM.....WORKSHOP: RESIDUAL DRY MATTER ON CALIFORNIA RANGELANDS – A REVIEW OF ITS SCIENCE, UPDATES ON NEW APPLICATIONS, AND RECOMMENDATIONS FOR COLLECTION TECHNIQUES
Room: DeAnza II (Portola)

SESSION ORGANIZERS:

Matthew Shapero, Elizabeth Duncan, Blake Duncan

SESSION DESCRIPTION:

This session will first focus on the basic science of residual dry matter (RDM) and the reasons it became the most common tool utilized by rangeland managers in California. Next, the session will present recent developments in RDM science and forage analysis as it pertains to grazing management, wildlife habitat management, and fire fuel management. Lastly, the session will review practical sampling techniques for measuring RDM and biomass throughout the growing season to demonstrate how ranchers and land managers can effectively integrate this data collection to meaningfully inform operational decision-making.

AGENDA

- 1:20-1:40pm: RDM history and science review: James Bartolome
- 1:40-1:55pm: RDM and understanding its disappearance during the summer months: Royce Larsen
- 1:55-2:10pm: RDM management as a tool for fire risk reduction: Matthew Shapero
- 2:10-2:25pm: RDM as a tool for managing wildlife habitat: Felix Ratcliff

2:25-2:40pm: RDM and water quality and erosion: [speaker invited]

2:40-3:00pm: Panel/Q&A Discussion

1:20PM-3PM...CONTRIBUTED ORAL SESSION: SOIL HEALTH 1
Room: San Carlos IV (Marriott)

Nicki Nimlos: Global review of grazing beef cattle and methane emissions: More simultaneous animal and soil sampling needed to inform policy and management

Ember Bradbury: A mixed methods approach to tracking change in soil health, biodiversity, and relationships: a case study in Southwest Colorado

Alyssa Andrew: Sheep Grazing as a Multi-Benefit Agrivoltaic Strategy at Northeastern U.S. Solar Sites

Caroline Gatschet: Substrate induced microbial respiration and microbial community composition responses to timing of grazing on rangelands

Carrie Barker: Seeding of common native forbs into moss increases germination, height, and volume of individuals

1:20PM-3PM.....CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES BIODIVERSITY 1
Room: San Carlos III (Marriott)

Austin Housley: Effects of a trail for off-highway vehicles on the rare endemic St. Anthony Evening Primrose

Zeb Mendenhall: Mycorrhizal Associations in Old and New Growth Great Basin Bristlecone Pine (*Pinus longaeva*)

JEFFERY STACKHOUSE: Deciduous Oregon white oak and California black oak: Gaining understanding of successional challenges that lie ahead

Julie Finzel: Blue Oak Phenology, Vigor, and Mortality in Response to Climatic Variability

Jacob VanDress: Impacts of Plant Composition and Disturbance on the Western Prairie Fringed Orchid (*Platanthera praeclara*)

1:20PM-3PM.....CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES WILDLIFE 1
Room: San Carlos I (Marriott)

Rae Nickerson: Evaluating the Effectiveness of Range Riders at Reducing Carnivore-Livestock Conflict Across the American West

Matt Barnes: Grazing Management and Low-Stress Herding to Prevent Livestock Predation by Grizzly Bears: A Case Study in the Rocky Mountains, USA

Jake Courkamp: The effects of invasive annual grass control on shrub leader growth and mule deer (*Odocoileus hemionus*) visita-

tion in Boulder County, CO US

Shawn O’Neil: Advancing raven management tools for species of conservation concern in dryland ecosystems

John Scasta: Lessons learned and efficacy of BLM burros for sheep protection in Wyoming

1:20PM-3PM.....CONTRIBUTED ORAL SESSION: RESTORATION 1
Room: San Carlos II (Marriott)

Kirk Davies: Effects of indaziflam applied to control invasive annual grasses on diversity, biocrusts, and perennial vegetation

Caroline Havrilla: Effects of indaziflam herbicide on plant and soil communities in Colorado rangelands

Clayton Thompson: Woody Encroachment in Montana Rangelands – Long-term Costs and Benefits of Treatment

Molly Reichenborn: High bare ground connectivity reduces benefit of herbicide and Connectivity Modifiers (ConMods) on grass establishment in dryland restoration

Jeffrey Beck: Ten-Year Response and Recovery of Wyoming Big Sagebrush Communities to Mowing, Tebuthiuron, and Grazing Exclusion

1:20PM-3PM.....CONTRIBUTED ORAL SESSION: REMOTE SENSING & MODELING 4
Room: Los Angeles (Marriott)

Michael Duniway: webDART: A web application for evaluating effectiveness of land treatments

Sarah McCord: Improving the Rangeland Analysis Platform with 10-m fractional cover maps

Brandon Kenneth Mayer: Georeferenced Range Integrated Design: Standardizing Field Monitoring for Remote Sensing Applications

Scott Morford: From NAIP to Canopy Height: A User-Friendly Deep Learning Model for Rangeland Structure Mapping

Tracy Shane: Use of uncrewed aerial vehicle (UAV) remote sensing, photogrammetry, and machine learning to evaluate grazing treatments for fuels reduction

3PM-3:20PM.....AFTERNOON COFFEE BREAK IN THE TRADE SHOW

3:20PM-5PM.....SYMPOSIUM: PRODUCERS FORUM
Room: Ferrantes Bayview (Marriott)

SESSION ORGANIZER:

Cal-Pac Producer’s Forum Committee

SESSION DESCRIPTION:

The Cal-Pac section and the California Grazing Lands Coalition are excited to bring two days of practicums highlighting range livestock production content for producers at the 2026 Annual Meeting in Monterey. We kick off the event on Sunday with a field day exploring Cowboy Corridors in a CA Central Coast context, and a stockmanship discussion and demonstration at a ranch setting and scale. Monday, we move inside to learn practical, in-the-field veterinarian skills for ranchers, discuss principles of building a low-input herd for profitable businesses and resilient landscapes, and a discussion with California and Hawaii ranchers who are navigating the complexities of Golden State and Island ranching.

**continued from 1:20pm-3pm session

AGENDA

3:20pm -5pm: Ranchers as a Keystone Species: Culture, Ecology and Economics

3:20PM-5PM.....SYMPOSIUM: MEETING THE MOMENT: CURRENT RESEARCH TO EFFECTIVELY SCALE TARGETED GRAZING FOR FIRE AND INVASIVE PLANT MANAGEMENT

Room: Bonsai II (Portola)

SESSION ORGANIZERS:

Kelly Hopping, Briana Swette

SESSION DESCRIPTION:

Interest in the use of targeted grazing by livestock as a vegetation management strategy is growing, and case studies on its application have proliferated. However, uncertainty remains about how the practice can be effectively and sustainably scaled up across environmental and institutional contexts. To advance understanding of targeted grazing's potential to manage invasive plants, fuels, and post-fire restoration, this session brings together field experiments, modeling, and regional syntheses not only of targeted grazing projects, but also of land managers' perspectives. Presentations will highlight emerging social and ecological considerations as targeted grazing continues to move into the mainstream.

AGENDA

- 3:20pm-3:40pm: Current and future effects of targeted grazing on sagebrush plant communities: Catherine Schwartzmann
- 3:40pm-4:00pm: Social and institutional considerations for targeted grazing practice on National Forests: Briana Swette
- 4:00pm-4:20pm: Synthesizing science about the effectiveness of targeted grazing for controlling cheatgrass to inform federal decision-making and environmental analyses: Sarah Carter
- 4:20pm-4:40pm: An overview of targeted grazing activities on

lands managed by the U.S. Forest Service: Matt Reeves
4:40pm-5:00pm: Moving into the mainstream? A panel discussion of targeted grazing: Dan Macon, April Hulet, Will Price, Kyle Palmquist, Kelly Hopping, Catherine Schwartzmann, Briana Swette, Sarah Carter, Matt Reeves

**3:20PM-5PM.....SYMPOSIUM: RANGELAND ETHNOBOTANY:
ECOLOGY AND MANAGEMENT OF CULTURALLY
SIGNIFICANT PLANTS**
Room: Colton II (MCC)

SESSION ORGANIZER:

Bryan Endress and Maren Peterson

SESSION DESCRIPTION:

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***continued from 1:20-3pm session*

AGENDA

3:20-3:40: Re-storying Rangeland Restoration and Relationships from a Tribal Perspective. Joseph Gazing Wolf

3:40-4:00: Wild plant use innovations as adaptive responses to food insecurity among agro-pastoralist communities in Karamoja, Uganda. Emiel de Meyer.

4:00-4:20: Blessing or Trap: Impacts of Caterpillar Fungus on Rural-urban Migrants' Livelihoods on the Qinghai-Tibetan Plateau. Zhiqi Zhang

4:20-4:40: Towards Inclusive Rangeland Research and Management. Maren Peterson

4:40-5:00: Panel Discussion

**3:20PM-5PM.....WORKSHOP: IYRP WORKSHOP ACTION
PLANNING FOR NORTH AMERICA**
Room: Colton I (MCC)

SESSION ORGANIZER:

Layne Coppock

SESSION DESCRIPTION:

This gathering will follow up on four previous SRM workshops held at Albuquerque, Boise, Sparks, and Spokane. The focus will be to refine a North American Action Plan for the 2026 International Year of Rangelands and Pastoralists (IYRP). Presentations will include project updates for the USA, Mexico, and Canada. Overall, the workshop will focus on how best to increase public awareness about rangelands and empower stakeholders to generate positive on-the-ground impacts for rangeland systems. This workshop will be organized across three parts on the same day.

AGENDA

PART 3:

3:20pm-4:00pm; SRM section reports on IYRP activities; Layne Coppock (moderator)

4:00pm-5:00pm; Synthesis and way forward; Lauren Svejcar (moderator)

3:20PM-5PM.....WORKSHOP: RESIDUAL DRY MATTER ON CALIFORNIA RANGELANDS – A REVIEW OF ITS SCIENCE, UPDATES ON NEW APPLICATIONS, AND RECOMMENDATIONS FOR COLLECTION TECHNIQUES
Room: DeAnza II (Portola)

SESSION ORGANIZERS:

Matthew Shapero, Elizabeth Duncan, Blake Duncan

SESSION DESCRIPTION:

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AGENDA

***continued from 1:20pm-3pm session*

3:20-3:30pm: Facilitation/Introduction

3:30-3:50pm: RDM collection techniques, mapping, and the future of remote monitoring: Kaveh Motamed

3:50-4:10pm: RDM or what? Identifying the right metrics and thresholds to assess management objectives: Roxanne Foss

4:10-4:30pm: Incorporating RDM management into a cattle operation: Liz Duncan and Blake Duncan

4:30-5:00pm: Panel/Q&A Discussion

3:20PM-5PM.....IGNITE: BOLSTER THE RANGE PROFESSION
Room: San Carlos IV (Marriott)

SESSION ORGANIZERS:

Susan Edinger Marshall, Devii Rao

SESSION DESCRIPTION:

Participants will share strategies and actions that support the Range Management Profession, covering a continuum from prospective students to seasoned professionals. This Ignite session followed by structured discussions will probe successful recruitment approaches, innovative educational opportunities for both undergraduates and mid-career professionals (i.e. supplementing allied disciplines with range coursework), cross-disciplinary training, certification and licensure processes, and other approaches. What are the qualifications for rangeland planning and monitoring? What defines a qualified person? How do we evaluate the effectiveness of strategies and actions taken to bolster the profession?

AGENDA

3:20 - 3:30 - Introduction to format and speakers - Devii Rao and Susan Edinger Marshall

3:30 - 3:40 - Rangeland Talent Pipeline Task Force – Karen Hickman

3:40 - 3:50 - SRM certifications - Tip Hudson (Cert. Prof. Range Manage.), TBD (Cert. Range Manage Consult.), Claudia Ingham (Targeted Grazing)

3:50 - 4:00 - California CRM and CRED classes - Devii Rao, Susan Marshall

4:00 - 4:10 - Univ. Nevada Reno 0454 Certificate - Lucas Phipps

4:10 - 4:20 - Academy for Rangeland Career Success (ARCS) program – Cindy Tusler and Chuck Butterfield

4:20 - 4:30 - Alberta Institute of Agrologists – Barry Irving

4:30 - 4:40 - How do other societies bolster their professions? - a tabular summary - Devii Rao and Susan Edinger Marshall

4:40 - 4:55 - Panel - What works across different regions and user groups - Delane Atcitty (tribal), Sheila Barry (urban interface), TBD (public lands consultant/RCD/NRCS), Jeff Goodwin (predominantly private rangelands)

4:55- 5:00 - Wrap up

3:20PM-5PM.....CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES BIODIVERSITY 3
Room: San Carlos I (Marriott)

Lauren Porensky: Spray timing drives non-target effects of picloram herbicide in eastern Wyoming rangelands based on rancher-initiated research

John Yoder: Plant species composition differences in canopy and

intercanopy zones of western juniper/low sagebrush tablelands
 Bethany Robertson: Abundance and diversity of native bees and flowers across three rangeland grazing regimes in four years
 Elana Feldman: Using grazing duration and timing as tools to manage ecosystem services related to plant biodiversity
 Justin Luong: Solar microgrids create habitat heterogeneity on coastal prairies with varying effects on soil biogeochemistry, plant community composition and functional traits

3:20PM-5PM.....CONTRIBUTED ORAL SESSION: INVASIVES 3
Room: Santa Monica (Marriott)

Landon Neumann: Not all Woody Plants Negatively Impact Ecosystem Function in Rangelands

Lia Ossanna: Precipitation moderates the effect of native shrubs on invasive buffelgrass (*Pennisetum ciliare*) growth in the Sonoran Desert while local topography has less influence

Jacob Lucero: Shrub-facilitated invasion accelerates rangeland desertification

Shanna Gleason: Quantifying the Spatial Distribution of an Invasive Shrub (*Rosa bracteata*) Using Very Fine-Scale Resolution Imagery

Nicole Keefner: Overview of BLM California's Invasive Species Management Program

3:20PM-5PM.....CONTRIBUTED ORAL SESSION: RESTORATION 2
Room: San Carlos II (Marriott)

Natalia Rogova: Long-term disturbance shapes sagebrush steppe vegetation and management effectiveness in the Great Basin

Michael Otis Clyne: Accounting for life history in restoration seedlings: A sagebrush steppe case study

Claire Williams: Woodland fuel reduction treatments impact key shrub species in sagebrush shrublands

Taylor Kaltenbach: Conifer Control in Sagebrush Steppe of Southwestern Montana: How Long Does It Last?

Carl Lundblad: Evaluating landscape-scale conifer removal efficacy for sagebrush ecosystem restoration via an indicator species approach with greater sage-grouse

3:20PM-5PM.....CONTRIBUTED ORAL SESSION: REMOTE SENSING & MODELING 3
Room: Los Angeles (Marriott)

Gonzalo Irisarri: Regional Patterns of Forage Crude Protein Shape Individual Weight Gain Across the North American Great Plains Rangelands

Hailey Schmidt: Cracking the code of woody biomass estimation in

rangelands: lessons from spaceborne lidar and machine learning
 Luz Vigabriel Navarro: Remote Sensing and Machine Learning for
 Grassland Biomass Estimation in Central Texas Rangelands
 John Severson: Quantifying vegetation state transition probabilities
 following fire and drought in the Upper Colorado River Basin
 Erika Peirce: Considerations for ranchers using remotely sensed
 production and standing biomass products in support of their
 management of rangeland ecosystems with changing vegetation
 cover

3:20PM-5PM.....CONTRIBUTED ORAL SESSION: GRAZING
Room: San Carlos III (Marriott)

Amanda Shine: Forty years of grazing (or not) on Conservation
 Reserve Program lands in the Texas Panhandle: what are the legacy
 effects on grassland birds, soils and vegetation communities?
 Sean Di Stéfano: Rescuing Ecological Legacies: Linking Historical
 Grazing Records to Contemporary Rangeland Management at the
 SDSU Cottonwood Field Station
 Garrett Keating: Influences of grazing management and floral re-
 sources on bumblebee occupancy in central Montana rangelands
 Brett Blum: Two steps forwards and one step back: A conceptual
 model to leveraging historic data sets and emerging technologies
 on the Santa Rita Experimental Range
 Billy Freeman & Brian Fagundes: Compost Application and Native
 Species Establishment on Sierra Foothill Rangelands: A Healthy
 Soils Program Demonstration Project

tuesday, feb. 10th

TUESDAY AT-A-GLANCE

See here for a snapshot of what's in store on Tues. Feb. 10th, read
 on in the program for full details and room assignments for each
 session.

8AM-9AM.....SPECIAL COFFEE BREAK IN THE TRADE SHOW

9AM-10AM.....PLENARY SESSION **SPECIAL TIME!

8AM-NOON.....PLANT ID EXAM

10:20AM-NOON

HSYF PAPER PRESENTATIONS (ALL DAY)

**SYMPOSIA: THE PRACTICAL, APPLIED USE OF DRONES IN
 RANGELAND RESTORATION AND REVEGETATION**

TUESDAY, FEBRUARY 10TH

SYMPOSIA: GLOBAL HERD, SHARED KNOWLEDGE:
INTEGRATING INCLUSIVE PRACTICES IN RANGELAND EDU-
CATION

SYMPOSIA: THE WRANGLER, RINGER, AND GAUCHO'S
ASSISTANT: EXPLORING THE SCIENCE OF SENSOR AND
SURVEILLANCE TECHNOLOGIES ACROSS EXTENSIVE
GRAZING LANDSCAPES WORLDWIDE

WORKSHOP: NOT IF, BUT WHEN: PREPARING FOR
FOREIGN ANIMAL DISEASE ON PUBLIC AND TRIBAL
RANGELANDS

WORKSHOP: YOUNG PRODUCERS FORUM

IGNITE: GRAZING LANDS TOOLS FOR CONSERVATION
PLANNING AND ASSESSMENT: RECENT RESEARCH AND
PRODUCTS FROM THE NRCS CONSERVATION EFFECTS
ASSESSMENT PROJECT

SYMPOSIA: PEOPLE BEFORE PASTURES: BUILDING THE
CORE OF REGENERATIVE AGRICULTURE

IGNITE: INTERNATIONAL YEAR OF RANGELANDS AND
PASTORALISTS (IYRP2026): 12 GLOBAL THEMES IGNITE
AWARENESS AND ACTION

CONTRIBUTED ORAL SESSION: VIRTUAL FENCING 2

CONTRIBUTED ORAL SESSION: SOIL HEALTH 2

CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES
BIODIVERSITY 2

CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES
CARBON 1

CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES
WATER

CONTRIBUTED ORAL SESSION: FIRE MANAGEMENT/FUELS
& GRAZING 4

CONTRIBUTED ORAL SESSION: HUMAN DIMENSIONS 1

NOON-1:20PM.....LUNCH AND LEARN (HOSTED LUNCH FOR
ALL REGISTRANTS!)
SPEAKER: NICOLETTE HAHN NIMAN

NOON-5PM.....CPRM EXAM
Room: Bonsai III

1:20PM-3PM

CPRM EXAM (1PM-5PM)

SYMPOSIA: FIVE YEARS OF 3M: MONITORING IMPACTS

TUESDAY, FEBRUARY 10TH

OF GRAZING MANAGEMENT ACROSS ECOLOGICAL AND SOCIOECONOMIC DIMENSIONS

SYMPOSIA: EXPLORING HABITAT CONSERVATION ECONOMICS AND COMMUNITY SATISFACTION RELATED TO LESSER PRAIRIE CHICKEN (LPC) MANAGEMENT IN THE SOUTHERN GREAT PLAINS

WORKSHOP: PRAIRIE PROJECT INFOGRAPHICS – HIGH-IMPACT RESOURCES FOR EDUCATION AND OUTREACH

WORKSHOP: NOT IF, BUT WHEN: PREPARING FOR FOREIGN ANIMAL DISEASE ON PUBLIC AND TRIBAL RANGELANDS

WORKSHOP: MANAGING SCARCITY: HOLISTIC DROUGHT STRATEGIES FOR LIVESTOCK PRODUCERS

WORKSHOP: A CAREER IN RANGELAND MANAGEMENT: ARE YOU READY

WORKSHOP: CULTIVATING LEADERSHIP: A WORKSHOP FOR BUILDING STRONGER STUDENT RANGE CLUBS

CONTRIBUTED ORAL SESSION: HUMAN DIMENSIONS 2

CONTRIBUTED ORAL SESSION: INVASIVE SPECIES 1

CONTRIBUTED ORAL SESSION: RESTORATION 3

CONTRIBUTED ORAL SESSION: REMOTE SENSING & MODELING 1

CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES WILDLIFE 2

CONTRIBUTED ORAL SESSION: FIRE MANAGEMENT/FUELS & GRAZING 5

3PM-3:20PM.....COFFEE BREAK IN THE TRADE SHOW

3:30PM-5PM

SYMPOSIA: FIVE YEARS OF 3M: MONITORING IMPACTS OF GRAZING MANAGEMENT ACROSS ECOLOGICAL AND SOCIOECONOMIC DIMENSIONS

SYMPOSIA: BEYOND TRADE-OFFS: MANAGING ECOLOGY, PROFIT, AND PEOPLE WHILE ACHIEVING EXCEPTIONAL ECOLOGICAL IMPROVEMENT

WORKSHOP: THE MISSING LINK IN RANGELAND SUCCESS: THE MANAGER'S MINDSET

WORKSHOP: NOT IF, BUT WHEN: PREPARING FOR FOREIGN ANIMAL DISEASE ON PUBLIC AND TRIBAL RANGELANDS

WORKSHOP: A CAREER IN RANGELAND MANAGEMENT:

TUESDAY, FEBRUARY 10TH

WHAT DO YOU NEED TO KNOW?

WORKSHOP: MANAGING SCARCITY: HOLISTIC DROUGHT STRATEGIES FOR LIVESTOCK PRODUCERS

WORKSHOP: ART AS EDUCATION: USING NATURAL PIGMENTS AND FIBERS TO BOOST LEARNING ABOUT RANGELANDS AND PASTORAL THEMES FOR IYRP

WORKSHOP: AG TECH ON RANGELANDS – THE NEW RANGE TECH AND HOW RANGE TECH HELPS TELL OUR STORY

SYMPOSIA: HOPE FOR THE FUTURE: SCIENCE, STORIES, AND LESSONS-LEARNED FROM RANGELAND RESTORATION SUCCESSES IN THE GREAT BASIN

CONTRIBUTED ORAL SESSION: REMOTE SENSING & MODELING 2

CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES CARBON 2

CONTRIBUTED ORAL SESSION: VIRTUAL FENCING 3

CONTRIBUTED ORAL SESSION: INVASIVE SPECIES 4

CONTRIBUTED ORAL SESSION: RESTORATION 4

CONTRIBUTED ORAL SESSION: MISCELLANEOUS

EVENING EVENTS

5PM-6:30PM.....BRIDGING THE GAP

5PM-6:30PM.....POSTER SESSION #2

6PM-8PM.....ALL SECTION/UNIVERSITY TRIVIA NIGHT

8PM-11PM.....DANCE & LIVE MUSIC

full tuesday schedule

8AM-9AM.....SPECIAL MORNING COFFEE BREAK IN THE TRADE SHOW

9AM-10AM.....PLENARY SESSION
Room: Steinbeck Ballroom (MCC)

10AM-10:20AM.....MORNING COFFEE BREAK IN THE TRADE SHOW

10:20AM-NOON.....SYMPOSIUM: RTEC: THE PRACTICAL, APPLIED USE OF DRONES IN RANGELAND RESTORATION AND REVEGETATION
Room: Redwood (Portola)

TUESDAY, FEBRUARY 10TH

SESSION ORGANIZER:

Beth Newingham and Kevin Gunnell

SESSION DESCRIPTION:

New technologies are revolutionizing the way that we work and think about land management. In this symposium we will focus on drones and their practical use in restoration and revegetation efforts with an in-depth conversation about the potential and realities of using drones for on the ground landscape scale management. Topics will span the breadth of planning and implementing herbicide and seeding projects with drones, as well as navigating the necessary policy requirements of such projects.

AGENDA

10:20am-10:40am: (Topic - The evolution and current state of drone technologies for use in land management): Tracy Shane, PhD, University of Nevada Reno

10:40am-11:00am: (Topic - Policy and regulations on the use of drones for land management.): Alexander Ryan, Agrispray Drones, Director of Regulations and Policy (Virtual)

11:00am-11:20am: (Topic - The use of drones for seeding projects.): Trevor Larsen, Wild Ass Aerial Seeding and Spraying

11:20am-11:40am: Active Sagebrush rangeland restoration with herbicides through drone applications: Beau Miller, Corteva

11:40am-12:00pm: Panel Discussion and Q&A

10:20AM-NOON.....SYMPOSIUM: GLOBAL HERD, SHARED KNOWLEDGE: INTEGRATING INCLUSIVE PRACTICES IN RANGELAND EDUCATION
Room: Colton II (MCC)

SESSION ORGANIZER:

Evan Tanner

SESSION DESCRIPTION:

This session explores effectively embedding Diversity, Equity, and Inclusion (DEI) principles into rangeland education across multiple levels: K-12, higher education, and public outreach. Presenters will highlight case studies that promote inclusive learning environments and broaden participation in rangeland science. Emphasis will be placed on culturally responsive pedagogy, equitable access to resources, and collaborative partnerships with underrepresented communities. Attendees will gain insights towards impactful educational practices that foster a more inclusive future in rangeland stewardship.

AGENDA

10:20-10:35 Pa' la Tierra, Pa' la Gente: Building Belonging in Land Stewardship: Masi Mejia

TUESDAY, FEBRUARY 10TH

10:35-10:50 The Story of Old Salt Co-op: Modeling Agriculture
Worth Its Salt : Cole Mannix
10:50-11:05 Discovering Your Path! Tribal Students Program: Kari
Emm
11:05-11:20 Inclusive Classrooms – An Environment Where Ev-
eryone Learns About Agriculture and Natural Resources: Milton
Newberry III
11:20-12:00 Discussion Panel

**10:20AM-NOON.....SYMPOSIUM: THE WRANGLER, RINGER,
AND GAUCHO'S ASSISTANT: EXPLORING THE SCIENCE OF
SENSOR AND SURVEILLANCE TECHNOLOGIES ACROSS
EXTENSIVE GRAZING LANDSCAPES WORLDWIDE**
Room: Colton III (MCC)

SESSION ORGANIZERS:

Dr Thomas Williams, Dr Kieren McCosker

SESSION DESCRIPTION:

Extensive grazing systems worldwide pose unique challenges to livestock and rangeland management. Their scale and remoteness limit direct observation, reducing herd managers' ability to respond quickly or apply timely interventions. Additionally, factors that are affecting production or management may be undervalued or go unrecognised due to limited monitoring and feedback.

This symposium will present recently completed and ongoing digital rangeland and livestock research initiatives from the United States, Australia, and other regions, focusing on addressing production constraints in free-grazing systems. Presentations will highlight innovative approaches that are transforming capacities to detect and interpret animal behaviour, environmental conditions, and landscape-scale dynamics. These tools provide new visibility into complex grazing environments, supporting sustainable rangeland stewardship, and improving production and welfare outcomes in low-input systems.

AGENDA

Dr Thomas Williams - How much Is enough? Exploring sensor resolution trade-offs for social, spatial metrics in extensive livestock systems

Dr Kieren McCosker - Can Australian Cattle Handle the Outback Heat? Assessing the Impact of Heat Load on Productivity, Performance, and Grazing Behaviour in Australia's Extensive Rangelands
Emeritus Professor Derek Bailey – Principal Research Scientist,
Deep Well Ranch

10:20AM-NOON.....WORKSHOP: NOT IF, BUT WHEN:

TUESDAY, FEBRUARY 10TH

PREPARING FOR FOREIGN ANIMAL DISEASE ON PUBLIC AND TRIBAL RANGELANDS

DeAnza II (Portola)

SESSION ORGANIZER:

Dan Macon

SESSION DESCRIPTION:

Foreign animal diseases (FADs), like foot and mouth disease, present unique challenges for producers and range managers who work on public and tribal rangelands. Livestock owned by multiple producers may be run in common. Interactions with wildlife, which may be susceptible reservoirs for FADs, complicate control efforts. Stop movement orders and other containment efforts may conflict with grazing permit terms or require emergency provisions (and movement permits) for on-range feeding. This workshop will provide range managers, ranchers, and extension professionals with updates on state and federal containment plans, as well as scenario planning activities designed to encourage collaborative planning efforts.

AGENDA

10:15am: Setting the Stage: Why Collaboration is Critical in FAD Outbreaks: Dan Macon, UC Cooperative Extension

10:35am: Sheep and Beef Secure Food Supply Plans: Dr. Rosie Busch, UC Davis Sheep and Goat Extension Veterinarian

11:05am: Partnerships and Results of Scenario Planning: Panel Discussion:

- Gilbert Jackson, US Forest Service Rangeland Program Manager (invited)
- Brian Thrift, Bureau of Land Management Legislative Affairs Specialist (invited)
- Dr. Paul Sciglibaglio, USDA APHIS (invited)
- Dr. Kavishti Korkoram, California Department of Food and Agriculture
- Dr. Pete Rolfe, Nevada Department of Agriculture (invited)

1:20pm: Producer Panel: Bronson Corn (New Mexico), Julie Van Winkle (Colorado)

2pm: Wildlife Considerations: Zach Mills, California Department of Fish and Wildlife, Dr. Nate LaHue, Nevada Department of Wildlife (invited)

2:30pm: Foreign Animal Diseases on Tribal Rangelands: Delane Atcitty, Indian Nations Conservation Alliance

3:20pm: Breakout Groups – Outbreak Scenarios

10:20AM-NOON...WORKSHOP: YOUNG PRODUCERS FORUM
Room: Ferrantes Bayview (Marriott)

TUESDAY, FEBRUARY 10TH

SESSION ORGANIZER:

YPC YPF Committee

SESSION DESCRIPTION:

The Young Professionals Conclave Young Producers Committee is excited to host a workshop focusing on developing skills and expanding knowledge for young producers and professionals. The workshop will bring to the annual meeting hands-on learning

AGENDA

10:20am-10:30am: Welcome to the Workshop: Committee Chair

10:30am-11:40am: Stall of Wisdom: Breakdown of peer’s skill they use and wish to share

11:40am-12:00pm: Discussion & Closing Remarks: Committee Chair

10:20AM-NOON.....IGNITE: GRAZING LANDS TOOLS FOR CONSERVATION PLANNING AND ASSESSMENT: RECENT RESEARCH AND PRODUCTS FROM THE NRCS CONSERVATION EFFECTS ASSESSMENT PROJECT
Room: Ironwood (Portola)

ORGANIZER:

Mitchel McClaran

DESCRIPTION:

US ranchers and grazing lands managers need tools to inform them of emerging threats to production and to assess the outcomes of management decisions. The USDA-NRCS Conservation Effects Assessment Project on grazing land works with partners across the US to develop decision-support tools for landowners and conservation planners. This session will highlight efforts to understand how range managers make decisions about conservation practices, develop tools to address threats to production, including wind and water erosion and woody plant encroachment, assess restoration outcomes, and develop systems to link tools and approaches to make data and rangeland knowledge more accessible to users.

AGENDA

10:20am-10:25am: Introduction: Mitch McClaran

10:25am-10:30am: Understanding Landowner Motivations to Change: David Toledo

10:30am-10:35am: Landscape Data Commons for Decision Support: Nick Webb

10:35am-10:40am: The BLM Assessment, Inventory, and Monitoring (AIM) Strategy: Emily Kachergis

10:40am-10:45am: Panel Discussion: Mitch McClaran

10:45am-10:50am Rangeland Brush Estimation Tool (RaBET) for

- Detecting Woody Plant Encroachment: Chandra Holifield Collins
 10:50am-10:55am: Enhancing RaBET: Identifying the Encroaching
 Woody Species: Cindy Norton
 10:55am-11:00am: Soil Response to Riparian Restoration: Kendall
 Beals
 11:00am-11:05am: Soil Retention Impacts on Water Balance and
 Vegetation: Dana Lapides
 11:05am-11:15am: Panel Discussion: Mitch McClaran
 11:15am-11:20am: rSVI-Wind: Rangeland Soil Vulnerability Index for
 Wind: Brandon Edwards
 11:20am-11:25am: Treatment Effects on Soil Erosion from Wind:
 Ron Treminio
 11:25am-11:30am: Spatial Implementation of AERO: Saroj Dhital
 11:30am-11:35am: Panel Discussion: Mitch McClaran
 11:35am-11:40am: rSVI-Water: Rangeland Soil Vulnerability Index
 for Water: Haiyan Wei
 11:40am-11:45am: Accounting for Snow in RHEM: Patrick Broxton
 11:45am-11:50am: NRI-RHEM (Rangeland Hydrology and Erosion
 Model) Erosion Modeling: Mariano Hernandez
 11:50am-12:00pm: Panel Discussion: Mitch McClaran

**10:20AM-NOON....SYMPOSIUM: PEOPLE BEFORE PASTURES:
 BUILDING THE CORE OF REGENERATIVE AGRICULTURE**
Room: DeAnza I (Portola)

SESSION ORGANIZER:
 Wayne Knight

SESSION DESCRIPTION:
 For newcomers to regenerative agriculture, it is easy to romanticize regenerative grazing as mimicking ancient wild herds. The reality is far more complex, involving risk, production challenges, social pressures, and human dynamics. Holistic Management is often mistaken for grazing management, but it is better understood as a Whole Management process. This session highlights the importance of addressing the “people” side of agriculture first, showing how beginning with the end in mind—balancing business, ecological, and family wellbeing—builds lasting success.

**10:20AM-12:20PM.....IGNITE: THE 12 GLOBAL THEMES OF
 THE INTERNATIONAL YEAR OF RANGELANDS AND
 PASTORALISTS (IYRP2026)**
Room: Colton I (MCC)

ORGANIZERS:
 Maryam Niamir-Fuller and Maria Fernandez-Gimenez

SESSION DESCRIPTION:

TUESDAY, FEBRUARY 10TH

Objectives of the IYRP 2026 are to raise awareness about the value of healthy rangelands and sustainable pastoralism, generate new knowledge, and positively impact laws and policies. The IYRP Global Alliance has adopted 12 themes, one for each month of 2026, that capture the full spectrum of sustainability - social, economic, environmental and governance. During 2024-25 special IYRP Working Groups consisting of scientists, practitioners and pastoralists developed key recommendations for each theme.

The Ignite Session will review these key messages, pointing out challenges and opportunities across the globe, and offering practical solutions for stakeholders to adopt in the coming decade. The first segment will give an overview and discuss economic aspects of production. The second segment will look at land and resource rights, indigenous knowledge, and pastoralist women. The third segment will cover climate variability, biodiversity and rangeland restoration. The final segment will highlight innovative solutions, pastoralist youth, and the future of rangelands and pastoralism.

AGENDA

10:20-10:23 Introduction and session overview

(M. Fernandez-Gimenez)

10:24-10:29 IYRP Theme: Who are pastoralists and what are rangelands? (M. Niamir-Fuller, Global Secretariat, IYRP Global Alliance, USA)

10:30-10:35 IYRP Theme: Livelihoods and economics (Serena Ferrari)(Virtual) (Socio-economist, UMR SELMET - Systèmes d'Élevage Méditerranéens et Tropicaux, CIRAD, Hosted by International Livestock Research Institute in Ethiopia)

10:36-10:41 IYRP Theme: Services and infrastructure by and for pastoralists (Jonathan Davies) (virtual) (IYRP Global Alliance Working Group Coordinator, UK)

10:42-10:47 IYRP Theme 9: Benefits to society (Pedro Herrera) (virtual) (Silvopastoralism expert at the COFO WG on Drylands Forests and Agrosilvopastoral Systems, Food and Agriculture Organization of the United Nations (FAO))

10:48-10:53 Q&A

11:54-10:59 IYRP Theme: Mobility, land and water security (Mark Moritz, Professor and Wicked Scientist, Department of Anthropology, The Ohio State University, USA)

11:00-11:05 IYRP Theme: Pastoralist women (Tungalag Ulambayar)(Director of Zoological Society Luujin, Mongolia)

11:06-11:11 IYRP Theme: Indigenous knowledge, culture and innovation (Anders Oskal)(Secretary General, World Reindeer Herders and Executive Director of the International Centre for Reindeer Husbandry, Norway)

11:11-11:16 Q&A and Discussion 2

TUESDAY, FEBRUARY 10TH

- 11:17-11:22 IYRP Theme: Climate and resilience (Carmen Jaquez)
(Virtual)(Mercy Corps)
- 11:23-11:28 IYRP Theme: Biodiversity and ecosystem services (Alexis Bonogofsky, Director of Sustainable Ranching Initiative, WWF-US)
- 11:29-11:34 IYRP Theme: Sustainable rangeland uses and restoration (Sairandhri Lalpalikar)(Virtual)(Programme Officer, Forest and Grassland Team, Centre for Conservation Action, IUCN, Washington DC)
- 11:34-11:39 Q&A 3
- 11:40-11:45 IYRP Theme: Pastoralist youth (Elena Chen)(PhD candidate Yale School of Forestry)
- 11:46-11:50 IYRP Theme: Innovative solutions for a sustainable future (Igshaan Samuels)(Virtual)(Biodiversity & Conservation Biology, University of the Western Cape, Cape Town, South Africa)
- 11:50-12:00 Q&A and Discussion

10:20AM-NOON.....CONTRIBUTED ORAL SESSION: VIRTUAL FENCING 2
Room: San Carlos III (Marriott)

- Bryan Murray: Virtual fencing technology maintains the health and increases the structural heterogeneity of rangeland vegetation
- Theo Michaels: Virtual Fencing is an effective tool for grassland bird community conservation in tallgrass prairies
- Joshua Wianeki: Comparison of the impacts of grazing technologies on forage utilization in an intensive grazing system
- Flavie Audoin: Virtual Fencing Technologies: A Comparative Overview of Leading Companies
- Hanifi Otgun: Virtual Fencing: Does it Make Cents?

TUESDAY, FEBRUARY 10TH

10:20AM-NOON.....CONTRIBUTED ORAL SESSION: SOIL HEALTH 2
Room: San Carlos II (Marriott)

- Ava-Rose Beech: Novel management strategies in California annual rangelands: Linking soil microbial diversity, plant community composition, and forage productivity
- Joseph G. Toman: Developing a plant-driven landscape assessment in Mixed-grass Prairies: Implications for soil organic carbon and climate-smart grazing management
- Kerri Minatre: Soil responses to grazing and fuel reduction treatments in pinyon-juniper woodlands
- Lindsey Stone: Predictive Mapping of the Moss Component of Biological Soil Crusts
- Lea Condon: The best restoration is one that does not need to

happen: Looking towards land management that maintains biological soil crusts.

**10:20AM-NOON.....CONTRIBUTED ORAL SESSION:
ECOSYSTEM SERVICES BIODIVERSITY 2**
Room: San Carlos I (Marriott)

Lubna Hassan: Sudan's Rangeland Ecosystems: A Cornerstone for Livelihoods, Economic Growth, and Global Food Security

Mounir Louhaichi: Silvopastoral Systems Enhancing Livestock Productivity and Ecosystem Restoration in the Southern Mediterranean Basin

Remy Sutherland: Stocking rate modulates spatial scale effects in the fire-grazing interaction: Implications for grassland biodiversity

Jacob Harvey: Upland Grazing Strategies in the Nebraska Sandhills: Long-Term Effects on Biomass and Species Composition

Kyndra McGovern: Patterns of Seed Dispersal within Tamaulipan Thornscrub Across a Gradient of Urban and Forested Landscapes

**10:20AM-NOON.....CONTRIBUTED ORAL SESSION:
ECOSYSTEM SERVICES CARBON 1**
Room: San Carlos IV (Marriott)

Jocelyn Torres: Seasonal Variation of Enteric Methane by Beef Cows Grazing in Wyoming Sagebrush Rangelands

A. Joshua Leffler: Methane consumption in a South Dakota rangeland does not depend on short- or long-term grazing management

Edward Raynor: Enteric methane emission classification and ranking of growing steers in the western Great Plains

Seren Bagcilar: Cheatgrass (*Bromus tectorum*) invasion outpaces fuel treatment effects on shrubland ecosystem carbon stocks in the Intermountain West, USA

Walter Wafula: When to Graze: Aligning Livestock Herbivory with Precipitation Cycles

**10:20AM-NOON.....CONTRIBUTED ORAL SESSION:
ECOSYSTEM SERVICES WATER**
Room: Santa Monica (Marriott)

Ed Rhodes: Déjà vu: Are we heading towards another Dust Bowl on the Southern High Plains?

Nicole Havrilchak: Runoff water quality and hydrology immediately following compost amendment in an annual grass-dominated rangeland

Brian Morra: Fire effects on plant-available water and timing of seed germination in the Great Basin USA

Maria Iglesias-Thome: Water use of mature western juniper (*Juni-*

perus occidentalis) in Central Oregon, USA
Carlos Ochoa: Findings of a long-term study on the hydrological response to western juniper removal

**10:20AM-NOON.....CONTRIBUTED ORAL SESSION:
FIRE MANAGEMENT/FUELS & GRAZING 4**
Room: Los Angeles (Marriott)

Devan McGranahan: Remotely-sensed burn severity tracks with measured fire behavior, and is similar across prescribed burns and wildfires in semi-arid rangeland

Claire Tortorelli: To burn or to mow? Fuel reduction treatments in mule deer migration corridors

Amy Symstad: Weather conditions before, the day of, and following prescribed fire affect outcomes in northern mixed-grass prairie

Kay Strain: A synthesis of shifting Great Basin fire regimes

Keith Harmony: Effects of Two Central Kansas Dormant Season Wildfires

**10:20AM-NOON.....CONTRIBUTED ORAL SESSION:
HUMAN DIMENSIONS 1**
Room: San Diego (Marriott)

Cory Farnsworth: 53 Years of Utah High School Range Camp

Zubair Barkat: Amplifying Women's Voices in Rangelands: AI, Digital Narratives, and Standpoint Theory

Melissa Shehane: Developing the future of rangelands and professionals: A High-impact Professional Master's Program

Melissa Shehane: Developing Agents of Change in Secondary Education, Higher Education, and Natural Resource Outreach

Melissa Shehane: Preparing the Next Generation of Rangeland Stewards through High-impact Internships: A Closer Look at an Internship Program Design

**NOON-1:20PM.....LUNCH & LEARN SESSION
(HOSTED LUNCH FOR ALL MEETING REGISTRANTS!)**

**1:20PM-3PM.....SYMPOSIUM: FIVE YEARS OF
3M: MONITORING IMPACTS OF GRAZING MANAGEMENT
ACROSS ECOLOGICAL AND SOCIOECONOMIC DIMENSIONS**
Room: Redwood (Portola)

SESSION ORGANIZER:

Paige Stanley

SESSION DESCRIPTION:

Grazinglands are dynamic social-ecological systems, requiring

interdisciplinary approaches to study the land, people, and management together. The 3M (Metrics, Management, and Monitoring) project is a five-year, multi-institutional effort exploring how grazing management influences soil health, ecosystem function, producer wellbeing, and its socioeconomic drivers across both experimental and 58 commercial cow-calf operations. This half-day session will feature results from 13 scientific teams across biophysical and socioeconomic disciplines, highlighting findings from five years of data collection across diverse U.S. grazinglands. Presentations will focus on cross-cutting themes and lessons learned from coordinating data collection, analysis, and interpretation in a large-scale, collaborative research network.

AGENDA

- 1:20–1:25: Welcome & session intro: Paige Stanley
- 1:25–1:40: Metrics, Management and Monitoring (3M); An Introduction and Path Forward for Science and Industry: (Jason Rowntree)
- 1:40–1:47: From Great Lakes to Great Plains: Grazing Management Across the 3M Network: (John Derek Scasta)
- 1:47–1:54: From Great Lakes to Great Plains: Grazing Management Across the 3M Network: (Joao Sacramento)
- 1:54–2:01: From Great Lakes to Great Plains: Grazing Management Across the 3M Network: (Isabella Maciel)
- 2:01–2:16: Quantifying the Art of Grazing: Building a Grazing Management Continuum: (Jeff Goodwin)
- 2:16–2:31: Establishing the Baseline: Soil Carbon Variability and Depth Dynamics in 3M Soils: (Erica Patterson)
- 2:31–2:46: Insights from 3 years of soil moisture monitoring in diverse grazing ecosystems: (Alex Kuhl)
- 2:46–3:00: Round 1 Q&A: (All)
- 3:00–3:20: BREAK

1:20PM-3PM.....SYMPOSIUM: EXPLORING HABITAT CONSERVATION ECONOMICS AND COMMUNITY SATISFACTION RELATED TO LESSER PRAIRIE CHICKEN (LPC) MANAGEMENT IN THE SOUTHERN GREAT PLAINS
Room: Ironwood (Portola)

SESSION ORGANIZER:

Kristie Maczko

SESSION DESCRIPTION:

Community satisfaction seeks to identify community connections to its natural environment. A survey in Kansas, New Mexico, Oklahoma and Texas was conducted to establish the association between satisfaction and attitudes toward environment, with measures of knowledge concerning the Lesser Prairie Chicken (*Tympanuchus*

pallidicinctus). Ranch economics and economic impacts were also assessed in these states. Researchers sought to determine how attitudes about local environment, conservation, ranching/agriculture, and a local species (the LPC) affect community satisfaction.

Secondary questions addressed whether strong opinions and values for conservation, ranching, and species management engender support for practices including brush removal, prescribed burning, and prescribed grazing.

AGENDA

1:20pm: Community Satisfaction as a Nonmonetary Measure of Conservation Benefits: Background, Survey Instrument, Sample, Process, Results, Next Steps – Aaron Harp, PhD, Rangelands Roundtable

1:40pm: Ranch economics of Lesser Prairie Chicken Habitat Conservation in the Southern Great Plains – Jessica Windh, PhD, University of Idaho

2:00pm: Using IMPLAN to Evaluate Economic Impacts and Elements of Community Satisfaction Assessment – David “Tex” Taylor, PhD, Rangelands Roundtable

2:20pm: SocialMapper: Applying a Tool for Evaluating Community Characteristics, Proximities, and Interrelationships – Chris Mihiar, PhD, USDA Forest Service

2:40pm: Questions and Discussion

1:20PM-3PM.....WORKSHOP: PRAIRIE PROJECT INFOGRAPHICS – HIGH-IMPACT RESOURCES FOR EDUCATION AND OUTREACH
Room: Colton III (MCC)

SESSION ORGANIZERS:

Laura Goodman, X. Ben Wu

SESSION DESCRIPTION:

This workshop will have 3 parts: (1) an overview of the expanding collection of infographics on the Prairie Project Facebook page (<https://www.facebook.com/prairierestored>) and design principles to make current science and evidence-based practices accessible to practitioners, students, and general public; (2) rapid use-case sharing by a diverse group of educators and extension/agency colleagues on effective use of these infographics in their classes and outreach programming; and (3) participants work in groups to brainstorm the use of specific infographics in their own classes and programming, discuss challenges and solutions, and identify topics for new infographics to support their teaching and outreach efforts.

AGENDA

1:20 – 1:40 The Prairie Project Infographic Collection: Common

TUESDAY, FEBRUARY 10TH

Topics and Design Principles for Evidence-Based Visuals

Speaker Names: Laura Goodman, Kayla Moss

1:40 – 2:20 Use-Case Scenarios of Infographics for Collegiate, Secondary Education, and Extension Programming

Speakers: Ben Wu, Sam Fuhlendorf, Jeff Goodwin, Amour Beals, Ryan Benjamin, Mitch Stephenson, Morgan Treadwell, Bryan Yockers, Dana Zook, Laura Goodman

2:20– 2:40 Workshop Session: Ideas to incorporate infographics in the classroom and extension programming, challenges, solutions, and additional infographic ideas for rangeland misconceptions and misunderstandings.

Moderator: Ben Wu, Laura Goodman, Kayla Moss

2:40 – 3:00 Wrap-up Discussion: Ideas to Expand to Broader Audiences with Evidence-Based Science Infographics

Moderator: Ben Wu, Laura Goodman, Kayla Moss

1:20PM-3PM....WORKSHOP: NOT IF, BUT WHEN: PREPARING FOR FOREIGN ANIMAL DISEASE ON PUBLIC AND TRIBAL RANGELANDS

Room: DeAnza II (Portola)

SESSION ORGANIZERS:

Dan Macon, Roselle Busch, Gary Mccuin, Tracy Shane

SESSION DESCRIPTION:

Foreign animal diseases (FADs), like foot and mouth disease, present unique challenges for producers and range managers who work on public and tribal rangelands. Livestock owned by multiple producers may be run in common. Interactions with wildlife, which may be susceptible reservoirs for FADs, complicate control efforts. Stop movement orders and other containment efforts may conflict with grazing permit terms or require emergency provisions (and movement permits) for on-range feeding. This workshop will provide range managers, ranchers, and extension professionals with updates on state and federal containment plans, as well as scenario planning activities designed to encourage collaborative planning efforts.

AGENDA

Producer Panel (30 min) – ASI, NCBA, Public Lands Council, Targeted Grazing Contractors

Wildlife Considerations talks (15 min) – Nevada Department of Wildlife, California Department of Fish and Wildlife (confirmed)

Tribal Rangelands (30 min) - Navajo Nation, Duck Valley Reservation.

1:20PM-3PM.....WORKSHOP: MANAGING SCARCITY: HOLISTIC DROUGHT STRATEGIES FOR LIVESTOCK

TUESDAY, FEBRUARY 10TH

PRODUCERS
Room: Bonsai II (Portola)

SESSION ORGANIZERS:

Wayne Knight, Exec. Dir. Holistic Management International & Casey Wade, CEO, Dixon Water Foundation

SESSION DESCRIPTION:

Drought is inevitable, but stress and loss don't have to be. This 3-hour workshop offers ranchers a practical framework for proactive drought planning. Participants will learn how mindset, timely decision making, and effective inventory management shape outcomes. Through hands-on exercises, we will practice forage assessment, estimate drought duration, and calculate stocking reductions. We will also explore the cost of delayed action and strategies for rebuilding after drought. Leave with tools to plan confidently, protect your resources, and build long-term resilience.

1:20PM-3PM.....WORKSHOP: A CAREER IN RANGELAND MANAGEMENT: ARE YOU READY
Room: Bonsai I (Portola)

SESSION ORGANIZERS:

Steven Evans, Jeff Goodwin

SESSION DESCRIPTION:

The field of Rangeland Management includes a diversity of disciplines and draws upon scientific understanding and practical experience to build success in the art and science of Rangeland management. The education one receives in an undergraduate program is an important first step in setting a foundation for a career in rangeland management. This session will allow you to share your educational experience as a young professional and how it prepared you to enter the field of rangeland management. This workshop will focus on what young professionals identify as important components to have in an undergraduate rangeland management program.

1:20PM-3PM.....WORKSHOP: CULTIVATING LEADERSHIP: A WORKSHOP FOR BUILDING STRONGER STUDENT RANGE CLUBS
Room: Colton II

SESSION ORGANIZER:

Doan Charles Goolsby, Student Conclave

SESSION DESCRIPTION:

This interactive workshop will equip student leaders with tools to strengthen their Range Clubs, foster member engagement, and build leadership capacity across campuses. A rotating panel of

current and past student officers, faculty advisors, and professional mentors will share insights, answer questions, and facilitate discussion. Attendees will leave with actionable strategies and a renewed sense of purpose for advancing student leadership in rangeland management.

**1:20PM-3PM.....CONTRIBUTED ORAL SESSION:
FIRE MANAGEMENT/FUELS & GRAZING 5
Room: Los Angeles (Marriott)**

Theresa Becchetti: Vegetation Change Following Wildfires in California

Noah Davis: Influence of graded protein supplementation on the space use and foraging behavior of beef cows on dormant foothill rangeland

Olivia Strong: Defoliation Effects on Root Characteristics of an Early Successional Native Grass

Sergio Arispe: Managing Invasive Annual Grasses on Public Lands Using Dormant Season Grazing in the Northern Great Basin

Francis Kilkenny: Sowing SEEDS: A new network of experimental, post-wildfire seeding sites

**1:20PM-3PM.....CONTRIBUTED ORAL SESSION:
ECOSYSTEM SERVICES WILDLIFE 2
Room: San Carlos IV (Marriott)**

Jess Pletcher: Home, home on the range: Drivers of songbird breeding habitat selection at the sagebrush-woodland ecotone

Evan Wilson: Non-stationary effects of forest cover on a widely distributed game bird species

Amanda Norton: Monitoring songbird breeding success under traditional and adaptive rotational cattle grazing in Wyoming

Michael Ferrara: Local and Landscape Drivers of Avian Community Composition in and Around PV Solar Arrays

Caleb Roberts: Where are we winning and losing in the fight to conserve North American grassland birds?

**1:20PM-3PM.....CONTRIBUTED ORAL SESSION:
HUMAN DIMENSIONS 2
Room: Santa Monica (Marriott)**

Casey McFarland: Standardizing Range Riding to Reduce Carnivore Livestock Conflict and Improve Stakeholder Collaboration

Tracy Burnett: "Butter" Together: Do Obligations to Provide Animal Products Stabilize Pastoralist Communities?

Lara Mengak: Examining the Role of Interpersonal and Institutional Trust in Navigating Producer-Wolf Conflict

Bildo Saravia: The importance of markets to keep ranchers ranching, or Successful Ranchers have healthy Ranges!!!
David M: Do Land Steward Amenity Migrants Underestimate Their Impact? Aligning Perceptions with Ecological Evidence

**1:20PM-3PM.....CONTRIBUTED ORAL SESSION:
INVASIVE SPECIES 1
Room: San Carlos I (Marriott)**

Derek Sebastian: Restoring cheatgrass invaded critical winter range and limiting non-target impacts
Paul Akpejeluh: Modeling the Spread of the Invasive Grass *Imperata cylindrica* (Cogongrass) in the United States using Integrated Species Distribution Models
Gopal Marwaha: Prairie Resistance: Enhancing Native Functional Diversity as a Restoration Strategy Against Kentucky Bluegrass Invasion
John Hendrickson: Using demography to identify management strategies to control invasive grasses: A case study with smooth brome grass (*Bromus inermis* Leyss.).
Rabeya Shikdar Orpa: Reviving Native Ecosystems: Harnessing Soil Amendments to Reclaim Native Plant Communities in Post-Mining Environments

**1:20PM-3PM.....CONTRIBUTED ORAL SESSION:
RESTORATION 3
Room: San Carlos II (Marriott)**

Mounir Louhaichi: Restoring Mediterranean Drylands: Evidence-Based Strategies for Sustainable Silvo pastoral Systems
Dan Harmon: The Effect of Seeding Rate on the Establishment of Great Basin Rangeland Perennial Grasses
Nora Bales: Testing functional trait-based approaches to seed mix design in dryland rangeland restoration
Tyler Geltmacher: Competitive and priority effects of native cool-season grasses on invasive *Bromus* species in the Northern Great Plains
Trace Martyn: An aspirin for restoration plants: Testing the impacts of salicylic acid seed priming on germination and growth

**1:20PM-3PM.....CONTRIBUTED ORAL SESSION:
REMOTE SENSING & MODELING 1
Room: San Carlos III (Marriott)**

Logan Vandermark: Developing a Mobile Learning Lab to Advance Extension Precision Technology Programming

TUESDAY, FEBRUARY 10TH

Mike Anderson: A LiDAR-Guided Spatial Workflow for Individual Tree Delineation and DBH Estimation in Varying-Density Juniper Stands

Mike Anderson: Customizing Geospatial Data Delivery to Support Varied Policy and Management Objectives

Joseph Smith: Combining field data and remotely sensed predictions Part 1: the ground truth fallacy

Brady Allred: Combining field data and remotely sensed predictions Part 2: improving inference for decision making

3PM-3:30PM.....AFTERNOON COFFEE BREAK IN THE TRADE SHOW

3:20PM-5PM.....SYMPOSIUM: FIVE YEARS OF 3M: MONITORING IMPACTS OF GRAZING MANAGEMENT ACROSS ECOLOGICAL AND SOCIOECONOMIC DIMENSIONS
Room: Redwood (Portola)

SESSION ORGANIZER:

Paige Stanley

SESSION DESCRIPTION:

Grazinglands are dynamic social-ecological systems, requiring interdisciplinary approaches to study the land, people, and management together. The 3M (Metrics, Management, and Monitoring) project is a five-year, multi-institutional effort exploring how grazing management influences soil health, ecosystem function, producer wellbeing, and its socioeconomic drivers across both experimental and 58 commercial cow-calf operations. This half-day session will feature results from 13 scientific teams across biophysical and socioeconomic disciplines, highlighting findings from five years of data collection across diverse U.S. grazinglands. Presentations will focus on cross-cutting themes and lessons learned from coordinating data collection, analysis, and interpretation in a large-scale, collaborative research network.

**continued from 1:20-3pm session

AGENDA

- 3:20–3:35: General trends in monitoring ecological system health across the 3M project: (Morgan MathisonSlee)
- 3:35–3:50: Near-real time vegetation monitoring from satellites: Model performance, transferability and applications: (Sean Kearney)
- 3:50–4:05: Grazing management insights using continuous atmospheric flux monitoring: (Beccy Mitchell)
- 4:05–4:20: Integrating Social and Ecological Perspectives to

- Understand Grazing Land Dynamics: (Ada Smith)
- 4:20–4:35: Economic costs and benefits of grazing strategies within the 3M project: (Dabit Bista)
- 4:35–4:50: MEMS 3.0: A Process-Based Model for Rangeland Carbon, Forage, and Grazing Dynamics (Yao Zhang)
- 4:50–5:00: Round 2 Q&A + Wrap-up: (All)

3:20PM-5PM.....SYMPOSIUM: BEYOND TRADE-OFFS: MANAGING ECOLOGY, PROFIT, AND PEOPLE WHILE ACHIEVING EXCEPTIONAL ECOLOGICAL IMPROVEMENT
Room: Cottonwood (Portola)

SESSION ORGANIZERS:

Wayne Knight, Richard King, Michael Dennis

SESSION DESCRIPTION:

Ranchers often feel as if they face tough trade-offs: invest in ecology, animal performance, or profitability? Too much emphasis on one can weaken the others. This session introduces Holistic Management® as a management process to balance these competing demands.

Presenters Richard King (consultant, rancher and Holistic Management Certified Educator), Michael Dennis (rancher and veterinarian), and Wayne Knight (Rancher, Holistic Management Educator and Executive Director of HMI) will share lessons from California and Southern Africa. Participants will learn how this approach strengthens business viability while regenerating ecological resilience and long-term balance.

3:20PM-5PM.....WORKSHOP: THE MISSING LINK IN RANGELAND SUCCESS: THE MANAGER’S MINDSET
Room: Ironwood (Portola)

SESSION ORGANIZER:

Christine Martin

SESSION DESCRIPTION:

This interactive workshop explores how a manager’s mindset—habits, paradigms, and internal narratives—can create or constrain success in rangeland systems. Through reflective exercises, peer dialogue, and hands-on frameworks, participants will uncover how their mental models shape their decisions. By developing self-awareness and adaptive thinking, attendees will gain practical tools to strengthen decision-making, navigate complexity, and improve ecological and financial outcomes. The manager is not separate from the system- they are part of it.

**3:20PM-5PM.....WORKSHOP: NOT IF, BUT WHEN:
PREPARING FOR FOREIGN ANIMAL DISEASE ON PUBLIC
AND TRIBAL RANGELANDS**
Room: DeAnza II (Portola)

SESSION ORGANIZERS:

Dan Macon, Roselle Busch, Gary Mccuin, Tracy Shane

SESSION DESCRIPTION:

Foreign animal diseases (FADs), like foot and mouth disease, present unique challenges for producers and range managers who work on public and tribal rangelands. Livestock owned by multiple producers may be run in common. Interactions with wildlife, which may be susceptible reservoirs for FADs, complicate control efforts. Stop movement orders and other containment efforts may conflict with grazing permit terms or require emergency provisions (and movement permits) for on-range feeding. This workshop will provide range managers, ranchers, and extension professionals with updates on state and federal containment plans, as well as scenario planning activities designed to encourage collaborative planning efforts.

AGENDA

Outbreak Scenarios: Participants work in groups to work through outbreak scenarios and design lines of separation (mapping), mapping, cleaning and disinfection stations, work through just-in-time and contingency planning for public lands. Virtual participants will participate in facilitated Zoom breakout rooms.

**3:20PM-5PM.....WORKSHOP: A CAREER IN RANGELAND
MANAGEMENT: WHAT DO YOU NEED TO KNOW?**
Room: Bonsai I (Portola)

SESSION ORGANIZERS:

Steven Evans, Jeff Goodwin

SESSION DESCRIPTION:

As a seasoned professional in the field of rangeland management we would like to hear what Knowledge, Skills and Abilities have served you well in successful rangeland management. This information will be used to inform undergraduate rangeland management programs across the US when developing rangeland curriculum. This session will identify what seasoned range professionals believe are important components to have in an undergraduate range program.

**3:20PM-5PM.....WORKSHOP: MANAGING SCARCITY:
HOLISTIC DROUGHT STRATEGIES FOR
LIVESTOCK PRODUCERS**
Room: Bonsai II (Portola)

TUESDAY, FEBRUARY 10TH

SESSION ORGANIZERS:

Wayne Knight, Exec. Dir. Holistic Management International & Casey Wade, CEO, Dixon Water Foundation

SESSION DESCRIPTION:

Drought is inevitable, but stress and loss don't have to be. This 3-hour workshop offers ranchers a practical framework for proactive drought planning. Participants will learn how mindset, timely decision making, and effective inventory management shape outcomes. Through hands-on exercises, we will practice forage assessment, estimate drought duration, and calculate stocking reductions. We will also explore the cost of delayed action and strategies for rebuilding after drought. Leave with tools to plan confidently, protect your resources, and build long-term resilience.

3:20PM-5PM.....WORKSHOP: ART AS EDUCATION: USING NATURAL PIGMENTS AND FIBERS TO BOOST LEARNING ABOUT RANGELANDS AND PASTORAL THEMES FOR IYRP
Room: Colton III (MCC)

SESSION ORGANIZER:

Lauren Svejcar

SESSION DESCRIPTION:

Come celebrate rangelands and IYRP through art! Join us in learning about using local, natural pigments (soil and plants) as paint and about the diversity of natural fibers from around the world. Discover how art can be a powerful tool for outreach in your community and beyond. This event is part of the IYRP initiative to use creative expression to raise awareness about rangelands. Attendees will learn about arts education resources, paint with natural pigments, try drop spindle spinning and felting, and connect with others passionate about rangelands and creativity. All materials provided.

AGENDA

- 3:20pm-3:40pm: Introduction to IYRP and educational resources - Lauren Svejcar
- 3:40pm-3:50pm: Painting the land: Creating paint from local plants and soils - Danielle Clenet
- 3:50pm - 4pm: Knitting together concepts - connecting rangeland and pastoral themes using fiber arts - Trace Martyn
- 4pm-5pm: Open workshop time (three stations: fiber, painting, educational packets)

3:20PM-5PM.....SYMPOSIUM: HOPE FOR THE FUTURE: SCIENCE, STORIES, AND LESSONS-LEARNED

TUESDAY, FEBRUARY 10TH

**FROM RANGELAND RESTORATION SUCCESSSES
IN THE GREAT BASIN**
Room: Bonsai II

SESSION ORGANIZER:

Liz Munn

SESSION DESCRIPTION:

Over the last decade, an interdisciplinary team from Mining, Conservation, and Federal Agencies have worked together on a mitigation banking project to develop and deploy the science, commitments, and restoration techniques that have led to thousands of acres of restored rangelands in the central Great Basin across public and private lands. Join us as we discuss the key elements of the project, including the most recent restoration successes, and the ways in which these approaches may be adapted for other projects.

AGENDA

3:20 pm: The Maps, Models, and Metrics used for Landscape Scale Planning: Louis Provencher, Kevin Badik

3:40 pm: Translating Modeling Science to Implementation of Conservation Actions for a Mitigation Bank: Brian Taylor, Chris Jasmine

4:00 pm: Policy & Agreement Context: the challenges and solutions of managing a mitigation bank: Liz Munn, Lara Enders, Holley Kline

4:20 pm: Results to date viewed both on the ground and through remotely-sensed change detection: Chris Jasmine, Sarah Byer

4:40: Panel Discussion: Presenters, Moderated by Megan Creutzberg

**3:20PM-5PM.....WORKSHOP: AG TECH ON RANGELANDS
- THE NEW RANGE TECH AND HOW RANGE TECH HELPS
TELL OUR STORY**

Room: DeAnza I (Portola)

SESSION ORGANIZER:

Jack Alexander

SESSION DESCRIPTION:

The Range Tech has always been a valued role on rangelands. This person did the grunt work and collected the data. The new Range Tech is not a person but a wealth of new technology for collecting and communicating data. Combining new ways to collect data with new data analysis and cost efficiencies leverage both data and expertise across larger scales. By making human time more efficient and providing better decision-making input and tools, Range Tech can better tell the story of rangeland to bigger and more diverse audiences of range users, policy makers, and the public.

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AGENDA

Enriched Ag – Billy Cook
EarthOptics – Ryan Dierking
RanchBot – Andrew Coppin
Open Range Consulting – Eric Sant

3:20PM-5PM.....CONTRIBUTED ORAL SESSION: INVASIVE SPECIES 4 *Room: San Carlos I (Marriott)*

Janet Prevey: Flora and flames: How does pre-fire vegetation affect post-fire plant invasion in the western United States?

Erin Teichroew: Impacts of NutraFix on native and non-native grasses across growth stage and environments

Doan Goolsby: Significant overlap in niche of fire-promoting invasive species threatens biodiversity of Sonoran and Madrean Archipelago Ecoregions

Alex Stoneburner: Invasive Species: Tonto National Monument

Jacqueline Ott: Competition affects current and future aboveground tiller production rather than belowground rhizome demography to favor the invasive Smooth Brome grass over the native Western Wheatgrass

3:20PM-5PM.....CONTRIBUTED ORAL SESSION: RESTORATION 4 *Room: Santa Monica (Marriott)*

Theo Knowles: More Forbs, Same Spurge: Limitations of Functional Similarity in a Tallgrass Prairie Restoration

Sam Ahler: From Seed to Service: The assembly of grass communities and ecosystem services in response to rangeland microsite variation

Jason Cox: Assessing Long-Term Vegetation Response to Multiple Restoration Methods in Utah: A Time-Lapse Photo Tour of Range Trend Monitoring

Madeline Mayorga: Exploring Drivers of Soil Seed Bank Composition for More Effective Restoration

Allison Rofe: Livestock Pond Management: a multi stakeholder success story to protect listed species habitat and livestock water

3:20PM-5PM.....CONTRIBUTED ORAL SESSION: REMOTE SENSING & MODELING 2 *Room: San Carlos II (Marriott)*

DANIEL CLEVELAND: Quantifying Management Impacts on Rangeland Drought Resilience with Remote Sensing

Geoff Bedrosian: Threat Integration Model for Sagebrush (TIMS): A

TUESDAY, FEBRUARY 10TH

Framework for Using Spatial Decision Support Tools for Strategic Management of Invasive Annual Grasses and Conifers in Sagebrush Ecosystems

Matthew Rigge: Integrating species-specific exotic annual grass information at weekly intervals into the Rangeland Condition Monitoring Assessment and Projection dataset

Logan Megard: Enhancements to the Exotic Annual Grass (EAG) dataset.

Mike Anderson: Analyzing Vegetation Outcomes Through Threat-Based State and Transition Models Using GIS: Assessing Management Impacts Across Western Sagebrush Ecosystems

**3:20PM-5PM.....CONTRIBUTED ORAL SESSION:
ECOSYSTEM SERVICES CARBON 2**
Room: San Carlos IV (Marriott)

Savannah Adkins: Improving Dryland Soil Carbon Storage Through Grazing Management on the Colorado Plateau

Daniel Gomez: Soil Carbon and Nitrogen stocks in Rangelands of Oregon, USA.

Scott Morford: Woody Encroachment Amplifies Aridity-Driven Water Consumption in U.S. Drylands

Carlos Ochoa: Carbon Sequestration Potential in Oregon's Rangeland and Pasture Ecosystems

John Kang: The effect of grazing on soil carbon dynamics within a strip-thinned lodgepole pine silvopasture in southern interior British Columbia

**3:20PM-5PM.....CONTRIBUTED ORAL SESSION:
VIRTUAL FENCING 3**
Room: San Carlos III (Marriott)

Logan Vandermark: Combining GPS Tracking, In-pasture Weighing Technology, and Nutrition Models to Estimate Cattle Energetics in Grazing Systems

Baili Foster: Something old and something new: Employing virtual fencing to target fine fuels in northwest Colorado

Brian Allen: Using virtual fence to target invasive Medusahead and Barb Goatgrass on California Rangelands

Elizabeth Reikowski: Adventures in Topography: Exploring the efficacy of virtual fence for conservation grazing in the Santa Cruz Mountains

Austin Lemons: Targeted Grazing of Cheatgrass: Is Virtual Fencing the Answer?

**3:20PM-5PM.....CONTRIBUTED ORAL SESSION:
MISCELLANEOUS
Room: Los Angeles (Marriott)**

Anuj Ghimire: Reviving our grassland heterogeneity: Connecting management types, livestock use and birds

Brook Constantz: A Hybrid Field and Machine Learning Method to Remap Riparian Vegetation

Hailey Wilmer: Opening the bear trap: Using social-ecological mental models to work with and through public lands conflict for sustainable range sheep systems

William Price: The Impact of Dormant Season Grazing on Predicted Fire Behavior Using FCCS Fuel Models on Degraded Rangelands in the Northern Great Basin

Dabid Z. Garcia: Modeling Rangeland Soil Carbon Dynamics Using Vegetation, Soil, and Climate Predictors

wednesday, feb. 11th

WEDNESDAY AT-A-GLANCE

See here for a snapshot of what's in store on Wed. Feb. 11th, read on in the program for full details and room assignments for each session.

8AM-10AM.....PLENARY SESSION

**10AM-10:20AM.....COFFEE IN THE TRADE SHOW
LAST COFFEE IN THE TRADE SHOW!

10:20AM-NOON

SYMPOSIA: MANAGING VARIABILITY AND NON-EQUILIBRIUM IN RANGELANDS: FROM THEORY TO PRACTICE

SYMPOSIA: STATE OF THE SCIENCE: CLIMATE OUTCOMES FROM GRAZING LANDS MANAGEMENT PRACTICES

SYMPOSIA: FROM SOUTH TO NORTH AMERICA: PERSPECTIVES ON DIVERSE PASTORAL SYSTEMS IN CELEBRATION OF THE IYRP

SYMPOSIA: THE 7TH BUD WILLIAMS MEMORIAL STOCKMANSHIP SYMPOSIUM: STOCKMANSHIP 'ROUND THE WORLD

SYMPOSIA: RANCHING WITH WOLVES: THE POLICY, POLITICS, AND PRICE OF COEXISTENCE IN CALIFORNIA

SYMPOSIA: METABOLIC HEALTH: THE RANGELAND CONNECTION

WORKSHOP: INTEGRATING ACTIONABLE INFORMATION:

TECHNICAL TRANSFER TO EMPOWER RANGELAND MANAGERS WITH SCIENCE AND TECHNOLOGY

CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES:
FOOD AND FIBER PRODUCTION 1

CONTRIBUTED ORAL SESSION: CLIMATE 1

CONTRIBUTED ORAL SESSION: ECOSYSTEM SERVICES
WILDLIFE 3

CONTRIBUTED ORAL SESSION: FIRE MANAGEMENT/FUELS
& GRAZING 1

CONTRIBUTED ORAL SESSION: RESTORATION 5

NOON-1:20PM.....SRM BUSINESS LUNCH (TICKETED
LUNCH; COME LISTEN AT NO-COST)

1:20PM-3PM

SYMPOSIA: MANAGING VARIABILITY AND NON-EQUILIBRIUM
IN RANGELANDS: FROM THEORY TO PRACTICE

SYMPOSIA: ANTHROPOLOGISTS ON THE RANGE: SOME
ETHNOGRAPHIC VIEWS OF LIVESTOCK CARE, PRECARIETY,
AND LIFE-WAYS IN NORTH AMERICA AND AFRICA

SYMPOSIA: USING SMART FOODSCAPES TO ENHANCE THE
SUSTAINABILITY OF WESTERN RANGELANDS

SYMPOSIA: THE 7TH BUD WILLIAMS MEMORIAL STOCK-
MANSHIP SYMPOSIUM: STOCKMANSHIP 'ROUND THE
WORLD

SYMPOSIA: RANCHING WITH WOLVES: THE POLICY, POLI-
TICS, AND PRICE OF COEXISTENCE IN CALIFORNIA

SYMPOSIA: METABOLIC HEALTH: THE RANGELAND CON-
NECTION

IGNITE: CASE STUDIES FOR INTEGRATING REMOTE SENSING
AND FIELD DATA FOR RANGELAND MONITORING AND
DECISION-MAKING

IGNITE: THE VOICE OF PASTORAL YOUTH FROM SOUTH
TO NORTH AMERICA: CELEBRATING THE IYRP EL VOZ DE
JOVENES PASTORES DESDE SUDAMERICA HASTA NOR-
TEAMERICA: UNA CELEBRACION DEL AIPP

CONTRIBUTED ORAL SESSION: FIRE MANAGEMENT/FUELS
& GRAZING 3

CONTRIBUTED ORAL SESSION: HUMAN DIMENSIONS 3

CONTRIBUTED ORAL SESSION: RIPARIAN 1

CONTRIBUTED ORAL SESSION: RESTORATION 6
CONTRIBUTED ORAL SESSION: MANAGEMENT
AFTERNOON EVENTS

3PM-3:30PM.....AFTERNOON COFFEE BREAK
3:30PM-6PM.....SRM HONOR AND STUDENT AWARDS
6PM-8PM.....WILD WOMEN OF RANGE

full wednesday schedule

8AM-10AM.....PLENARY SESSION: INTERNATIONAL
PLENARY, INTERNATIONAL YEAR OF RANGELANDS AND
PASTORALISTS (IYRP) 2026
Room: Steinbeck Ballroom (MCC)

AGENDA

8:00 to 8:05: Layne Coppock, Professor Emeritus, Dept. Environment & Society, Utah State University, and IYRP Co-Chair for North America. In-person presentation. "Welcome and Screening of a Short FAO IYRP Video."

8:05 to 8:15: Kaitlynn Glover, Executive Director of the Public Lands Council and Executive Director for Government Affairs for the National Cattlemen's Beef Association. In-person presentation. "Challenges for the Sustainability of Rangeland Systems in the USA"

8:15 to 8:25: Igshaan Samuels, Senior Scientist, Agricultural Research Council of South Africa, and Co-Chair of the IYRP Global Alliance. Virtual presentation, "Challenges for the Sustainability of Rangeland Systems in Southern Africa."

8:25 to 8:35: Javier Ochoa-Espinoza, Professor and Researcher, Department of Renewable Natural Resources Universidad Autónoma Agraria Antonio Narro, Saltillo, México, and IYRP Co-Chair for North America. In-person presentation, "Challenges for the Sustainability of Rangeland Systems in northern Mexico."

8:35 to 8:45: Dana Kelly, Co-chair, Secretariat for the International Rangeland Congress and Adjunct Professor, Center for Applied Climate Sciences, University of Southern Queensland, Toowoomba, Australia. Virtual presentation, "Challenges for the Sustainability of Rangeland Systems in Australia."

8:45 to 8:55: Barry Irving, Retired Staff Member, University of Alberta, and IYRP Co-Chair for North America. In-person presentation, "Challenges for the Sustainability of Rangeland Systems in Canada."

8:55 to 9:00: Layne Coppock, Professor Emeritus, Dept. Environment & Society, Utah State University, and IYRP Co-Chair for

North America. In-person presentation, “A Provocative Synthesis of Speaker Presentations.”

9:00 to 9:40: Lauren Svejcar, SRM International Affairs Committee Chair and Collaborator, University of Arizona. In-person presentation, “Guided Discussion with a Panel of Pastoralists” (panelists to be named)

9:40 to 10:00: Lauren Svejcar, SRM International Affairs Committee Chair and Collaborator, University of Arizona. In-person presentation, “Open Session Questions & Answers with All Participants”

10AM-10:20AM.....COFFEE BREAK IN THE TRADE SHOW

10:20AM-NOON.....SYMPOSIUM: MANAGING VARIABILITY AND NON-EQUILIBRIUM IN RANGELANDS: FROM THEORY TO PRACTICE

Room: Bonsai I (Portola)

ORGANIZER:

Brandon Bestelmeyer and Nathan Sayre

DESCRIPTION:

The non-equilibrium character of extensive, low productivity rangelands creates ongoing challenges for producers, land managers, and policymakers. Variable rainfall falls on landscapes that vary in their inherent productivity and historical legacies. This creates hard-to-predict variations in productivity and risks of land degradation. Strategies to cope with these variations through monitoring, mobility, and flexibility are well known, yet we understand little about how approaches work together in different circumstances.

New precision ranching and remote sensing tools are rapidly becoming part of the mix. This symposium will highlight rancher/pastoralist experiences with managing non-equilibrium as well as new tools that can assist their efforts.

AGENDA

10:20am-10:45am: Introduction to managing nonequilibrium in rangelands: Nathan Sayre

10:45am-11:45pm: Producer, policy, and science panel: John Austel, Liz Duncan, Garry Mahrt, Bianca Soares Shapero, Tungalag Ulambayar, Santiago Utsumi, Susi Vetter, Mike Williams

11:45am-12:00pm: Wrap up

10:20AM-NOON.....SYMPOSIUM: STATE OF THE SCIENCE: CLIMATE OUTCOMES FROM GRAZING LANDS MANAGEMENT PRACTICES

Room: Bonsai II (Portola)

SESSION ORGANIZER:

Sasha Gennet

SESSION DESCRIPTION:

Rangeland and pasture management offers significant opportunities for climate mitigation, though verifiable outcomes vary in space and time based on factors including site characteristics and implementation. Further, climate goals like carbon storage may conflict with production, biodiversity, or other objectives. Existing research on practices such as prescribed fire, brush management, prescribed grazing, plantings, and wetland restoration provides insights, but gaps remain. What do we need to know to achieve optimal climate outcomes and better understand tradeoffs? We will present findings from recent literature syntheses with NRCS and facilitate a discussion to identify priority evidence gaps and strategies to address them.

AGENDA

10:20am-10:35am: Large-scale quantification of soil organic carbon in response to grazing management changes: Jenny Watts and Jon Sanderman

10:35am-10:50am: GHG drawdown potential from Wetland Restoration: Kris Hulvey

10:50am-11:05am: Prescribed Burning and Brush Management climate outcomes: Megan Nasto

11:05am-11:20am: Influence of Range and Pasture Plantings on soil organic carbon storage and the current state of rangeland soil carbon models: Sam Willard

11:20am-11:30am: A path forward, applying lessons learned for the scientific community: Sasha Gennet

11:30am-12:00am: facilitated discussion: Sam Willard

10:20AM-NOON.....SYMPOSIUM: FROM SOUTH TO NORTH AMERICA: PERSPECTIVES ON DIVERSE PASTORAL SYSTEMS IN CELEBRATION OF THE IYRP
Room: Colton Room (MCC)

SESSION ORGANIZER:

Lauren Svejcar and Javier Ochoa

SESSION DESCRIPTION:

The challenges faced by pastoral people are both similar and different across the South and North American continents. Our rangeland landscapes vary from hot desert shrublands to cold alpine grasslands. Traditions and cultural customs differ. The languages we use are different and include English, Spanish and a wide range of indigenous languages. However, even though many differences exist, the challenges that our rangelands and pastoral people face

are strikingly similar and interconnected. In this symposium, we will discuss the differences and similarities between our American rangeland systems with talks in Spanish.

Los retos a los que se enfrentan los pastores son a la vez similares y diferentes en los continentes sudamericano y norteamericano. Nuestros agostaderos varían desde los calurosos matorrales desérticos hasta los fríos pastizales alpinos. Las tradiciones y costumbres culturales difieren. Los idiomas que utilizamos son diferentes e incluyen el inglés, el español y una amplia gama de lenguas indígenas. Sin embargo, aunque existan muchas diferencias, los retos a los que se enfrentan nuestros agostaderos y pastores son sorprendentemente similares y están interconectados. En este simposio, debatiremos las diferencias y similitudes entre nuestros sistemas de agostaderos americanos con charlas en español.

AGENDA

10:20-10:22am: Bienvenidos: Javier Ochoa (in-person)

10:22-10:40am: Beneficios del manejo integrado de fuego y ganado en las llanuras del Norte de los Estados Unidos de América: David Toledo (in-person)

10:40-11am: Desafíos, oportunidades y tendencias del pastoralismo en la Puna de Argentina: Mariana Quiroga (virtual)

11-11:20am: Retos a los que se enfrentan los jóvenes pastores en los Andes: Enrique Michaud y Cecilia Turin (virtual)

11:20-11:40am: Uso de la tecnología para informar sobre la gestión de pastizales en diversos sistemas: Xavier Jaime (in-person)

11:40-12pm: Degradación y restauración de la tierra en México: Javier Ochoa and Elisabeth Huber-Sannwald (in-person)

10:20AM-NOON.....SYMPOSIUM: THE 7TH BUD WILLIAMS MEMORIAL STOCKMANSHIP SYMPOSIUM: STOCKMANSHIP 'ROUND THE WORLD *Room: Redwood (Portola)*

SESSION ORGANIZER:

Kent Reeves, Kelsey Nelson, Matt Barnes

SESSION DESCRIPTION:

Since 2015 there have been six Stockmanship Symposia at SRM Annual Meetings with the most recent in 2024. This Seventh Symposium for the 2026 SRM AM will provide a historical global perspective of stockmanship and how it has shaped range management on six continents. This symposium brings together livestock producers, researchers, and educators for an introduction and global history of Low Stress Livestock Handling and an interactive panel discussion of the practical use of Stockmanship for managing rangelands globally (Canada, Mexico, United States, Venezuela, Australia, Namibia, Kenya, United Kingdom, Mongolia).

AGENDA

Delane Atcity - Executive Director at Indian Nations Conservation Alliance – Taos, New Mexico

Derek W. Bailey, Ph.D. – Professor of Range Science; New Mexico State University – Las Cruces, New Mexico

Matt Barnes – Rangeland Scientist and Wildlife Conservationist; Shining Horizons Land Management, LLC– Montezuma, Colorado

Brittany “Cole” Bush – Shepherdess, Rancher, Advocate, Entrepreneur, and Educator; Shepherdess Land & Livestock Company – Ojai, California

Whit Hibbard, Ph.D. – Educator & Rancher, Publisher of Stockmanship Journal; Sieben Livestock Company – Adel, Montana

Dawn Hnatow – Educator & Rancher; Cattle Up Stockmanship & CU Ranching, LLC – Sulphur Springs, Texas

Roger Ingram – Educator & Rancher; County Director Livestock and Natural Resources Advisor UCCE Retired, Placer & Nevada Counties – Auburn,

Kelsey Nelson – Rancher, Horsewoman, Packer, Educator, Ranch Manager; Eames Institute – Petaluma, California

Byron Palmer – Rancher, CEO, Co-founder of Grounded: Evolutionary Grazing – Petaluma, California

Kent Reeves – Range & Wildlife Conservationist, Rancher to Rancher Network – Jamestown, California

Chris Schachtschneider - Lightning S Livestock Solutions,

Dave Voth – Rancher, Stockman, CPRM – Integrated Grazing Management – Elko, Nevada

Tina Williams and Richard McConnell – Hand ‘n Hand Livestock Solutions – Bolivar, Missouri

**10:20AM-NOON.....SYMPOSIUM: RANCHING WITH WOLVES:
THE POLICY, POLITICS, AND PRICE OF
COEXISTENCE IN CALIFORNIA**
Room: DeAnza III (Portola)

SESSION ORGANIZER:

Tracy Schohr

SESSION DESCRIPTION:

Gray wolves have reestablished in California at a rapid pace, presenting complex challenges in balancing conservation goals with social and economic realities. This session will feature research on the ecology and behavior of California’s wolf population, outcomes of social study of ranchers impacted by wolves, and economic impacts to livestock producers. Attendees will also take a virtual tour of ranches in wolf country and hear directly from producers

navigating life and working in wolf-occupied landscapes. Together, we will explore managing livestock alongside wolves in California.

AGENDA

10:20 to Noon - Part 1

10:20 Welcome and Overview of Wolves in California - Tracy Schohr, Livestock and Natural Resources Advisor, University of California Cooperative Extension (moderator)

10:30 The Cost of Cohabitation: Economic Consequences for California Ranchers - Tina Saitone, Professor of Cooperative Extension, Agricultural and Resource Economics, University of California, Davis

11:05 Humans, Herd, and Help: How Northern California's Cattle Producers are Experiencing the Presence of Gray Wolves on California's Working Lands - Dara Noonan, Master's Candidate, Rangeland and Wildlife Management, University of California, Berkeley

11:30 Social and Ecological Dimensions of California's Wolves - Kaggie Orrick, Director of the California Wolf Project, University of California, Berkeley

10:20AM-NOON.....WORKSHOP: INTEGRATING ACTIONABLE INFORMATION: TECHNICAL TRANSFER TO EMPOWER RANGELAND MANAGERS WITH SCIENCE AND TECHNOLOGY
Room: Cottonwood (Portola)

SESSION ORGANIZER:

Mariah McIntosh

SESSION DESCRIPTION:

Over the past decade, an explosion of new science and technology has improved our understanding of rangeland ecosystems, yet has left many of us stuck in information overload. This interactive workshop will help participants build skills to conduct effective technical transfer, which helps empower managers and practitioners to apply relevant science, data, technology, and best practices to improve management outcomes on the ground. We will guide participants through resources developed by the Sagebrush Technical Transfer Network, including a framework, technical transfer planning worksheet, and case studies designed to help make technical information more accessible and practical for management decision-making.

AGENDA

10:20-10:40 am: Introducing the Sagebrush Technical Transfer Network and the Technical Transfer Framework

10:40-10:50 am: Getting Familiar with Our Case Study

10:50-11:50 am: Applying the Technical Transfer Framework as a

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Group Using a Case Study
11:50 am-12:00 pm: Reflections and Wrap-Up

**10:20PM-NOON.....SYMPOSIUM: METABOLIC HEALTH:
THE RANGELAND CONNECTION: METABOLIC HEALTH
INTRODUCTION**

Room: Ironwood (Portola)

SESSION ORGANIZER:

Peter J. Ballerstedt, PhD

SESSION DESCRIPTION:

Metabolic health is increasingly recognized in medical and public spheres for its role in chronic disease prevention. Controversial nutrition guidelines and policies often overlook malnutrition's impact on health. Misunderstandings of these issues influence rangeland policies and practices. Given the global burden of malnutrition-related chronic illnesses, the importance of animal source foods (ASF) in human health, and rangelands' critical role in ASF production, this topic is vital for Society for Range Management members. This session explores how metabolic health connects to rangelands, informing better policy and practice for sustainable food systems and human well-being.

Introduction – Peter Ballerstedt

The Historical Perspective – Gary Taubes

The Scientific Perspective – Stephen Phinney

Wrap-up – Peter Ballerstedt

**10:20AM-NOON.....CONTRIBUTED ORAL SESSION:
ECOSYSTEM SERVICES: FOOD AND FIBER PRODUCTION 1**

Room: San Carlos IV (Marriott)

Rhyse Campion: Economic Comparison of Season-Long and Adaptive Rotational Grazing Systems for Stocker Steers in the Shortgrass Steppe: A Decade-Long Analysis

Nicolas Caram: Trade-offs in productivity and climate resilience of intensified native grasslands

Jameson Brennan: Quantifying animal movement behavior and landscape utilization of a managed bison (*Bison bison*) herd in the Nebraska Sandhills

David Augustine: Shifts in the contribution of C3 versus C4 perennial grasses to overall forage production following a decade of adaptive, multi-paddock grazing management in the shortgrass steppe.

Derek Bailey: Potential of Pattern Mining to Analyze Behavioral Patterns of Livestock Grazing on Rangelands

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10:20AM-NOON.....CONTRIBUTED ORAL SESSION: CLIMATE 1

Room: San Carlos III (Marriott)

Maria Stahl: Managing Rangelands During Prolonged Drought:
Using a Heritage Cattle Breed to Maintain Ecosystem Function
Under Livestock Production

Trinity Long: The effects of climate change on the productivity of
native berry-producing plants in Alberta

Luci Lu: Identifying Drought Refugia: Locating and Understanding
Key Forage Resources in Non-Equilibrium Rangelands with Satel-
lite Data

John Tull: Integrating climate science into resource management
decision space: filling the science gaps

Thomas Merchant: Differential effects of multiple dimensions of
short-term droughts and grazing on above and belowground
biomass in a semi-arid rangeland

**10:20AM-NOON.....CONTRIBUTED ORAL SESSION:
ECOSYSTEM SERVICES WILDLIFE 3**

Room: San Carlos II (Marriott)

Lawrence Ford: Endangered Ohlone Tiger Beetle Habitat
Management

Mike Anderson: Quantifying the Components of Sage-grouse
Habitat to Inform A Range of Habitat Assessment Frameworks

Cody Griffin: Woody Cover and Grassland Bird Populations: Uneven
Effects Across Space and Species

**10:20AM-NOON.....CONTRIBUTED ORAL SESSION:
FIRE MANAGEMENT/FUELS & GRAZING 1**

Room: San Carlos I (Marriott)

E.J. Bates: Grazing intensity effects on herbaceous community
composition in burned sagebrush-steppe

Kaylee Wheeler: The value of native plant diversity for mineral
nutrition in grazing livestock.

Lydia O'Halloran: Assessing cattle impacts on tree health in re-
stored longleaf pine woodlands

Ashley Santiago: Understanding the effects of livestock grazing and
fuel treatment on woodland encroachment in sagebrush-steppe
habitat

Flavie Audoin: Navajo-Churro Sheep as a Tool for Buffelgrass Man-
agement

**10:20AM-NOON.....CONTRIBUTED ORAL SESSION:
RESTORATION 5**

Room: Los Angeles (Marriott)

Danielle Clenet: Low sagebrush community recovery following wildfire

Ranae Sullivan: Sheep grazing as a method to improve endangered species habitat

Tolibjon Mukimov: NATURAL AND ANTHROPOGENIC CHANGES IN THE PASTURES OF THE ARAL SEA REGION

Lily Strachan: Grasses and Forbs Reveal Patterns of Variability in Artemisia arbuscula (Low Sagebrush) Communities

Ruby Harris-Gavin: Conservation Grazing in the West of Ireland: Diet Differences and Ecosystem Effects of Dexter and Mixed-Breed Cattle

NOON-1:20PM.....LUNCH ON YOUR OWN

1:20PM-3PM.....SYMPOSIUM: MANAGING VARIABILITY AND NON-EQUILIBRIUM IN RANGELANDS: FROM THEORY TO PRACTICE
Room: Bonsai II (Portola)

ORGANIZER:

Brandon Bestelmeyer and Nathan Sayre

DESCRIPTION:

The non-equilibrium character of extensive, low productivity rangelands creates ongoing challenges for producers, land managers, and policymakers. Variable rainfall falls on landscapes that vary in their inherent productivity and historical legacies. This creates hard-to-predict variations in productivity and risks of land degradation. Strategies to cope with these variations through monitoring, mobility, and flexibility are well known, yet we understand little about how approaches work together in different circumstances.

New precision ranching and remote sensing tools are rapidly becoming part of the mix. This symposium will highlight rancher/pastoralist experiences with managing non-equilibrium as well as new tools that can assist their efforts.

****continued from 10:20am-Noon session**

AGENDA

1:20pm-1:40pm: Can new technologies change how we manage variability in rangelands?: Brandon Bestelmeyer

1:40pm-2:10pm: Application of precision adaptive rangeland management at the Jornada Experimental Range: Lara Macon

2:10pm-2:40pm: Panel reactions—will this help and how can this scale?

2:40pm-3:00pm: Open discussion

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1:20PM-3PM.....SYMPOSIUM: ANTHROPOLOGISTS ON THE RANGE: SOME ETHNOGRAPHIC VIEWS OF LIVESTOCK CARE, PRECARIY, AND LIFE-WAYS IN NORTH AMERICA AND AFRICA
Room: Bonsai I (Portola)

SESSION ORGANIZER:

Ken C. Erickson, Ph.D

SESSION DESCRIPTION:

Range Management's interest in human factors has added participant observation & rancher collaboration to the toolkit. Meanwhile, anthropologists have rediscovered North American ranching, applying global studies of pastoralism to understand—and participate in—ranching in North America. This session highlights the precarity and stubbornness of livestock life-ways. We will share our ethnographic work in Kansas tallgrass landscapes, with Wyoming sheep outfits, among New Mexico's Hi-Lo country ranchers and day-workers, and among African livestock folk. We will show how rangeland ethnography with an anthropological catch-rope can document ways of living that challenge current theory, policy, and practice on the range.

AGENDA

Ken C. Erickson, Folsom Museum & Eastern New Mexico University
Robert K Hitchcock, University of New Mexico
Kimberly Sanchez, U. Michigan
Ryan T. Klatasky, Ancient Ocean Beef & Applied Ethnographic Services

1:20PM-3PM.....SYMPOSIUM: USING SMART FOODSCAPES TO ENHANCE THE SUSTAINABILITY OF WESTERN RANGELANDS
Room: DeAnza I (Portola)

ORGANIZER:

Juan Villalba

DESCRIPTION:

Rangelands across the West have become increasingly uniform—dominated by a few grass species that limit both livestock nutrition and wildlife habitat. This symposium explores the concept that a diversity of perennial legumes, forbs, and shrubs with high nutrient content and functional biochemicals can be established in “resource islands” across low-diversity rangelands. These islands serve as low-cost supplementation for beef cattle, improving productivity while also enhancing wildlife habitat and reducing environmental impacts. A transdisciplinary team is advancing this concept from foundational restoration ecology through nutritional and medicinal complementarities among forages, to practical implementation

at the ranch scale. Results are also being integrated into grazing schools and STEAM (Science, Technology, Engineering, Arts, Mathematics) education, engaging current and future land stewards in rangeland sustainability.

AGENDA

- 1:20–1:30 pm: Introduction – Forage Diversity for Rangelands: The Elementary Idea: Juan J. Villalba
- 1:35–1:50 pm: Forage Species Selection for Smart Foodscapes: Jennifer MacAdam
- 1:50–2:05 pm: Designing and Measuring Smart Foodscapes: Islands, Sensors, and Grazing Patterns: Iddy Muzzo
- 2:05–2:20 pm: Visual Cues for Novel Virtual Fencing Applications: Using Resource Islands to Move Animals Across the Landscape: Sebastian Schreiber-Pan
- 2:20–2:35 pm: From Pasture to Practice: Producer-Driven Implementation: Eric Thacker and Matt Palmer
- 2:35–2:50 pm: Shared Landscapes: Wildlife Use of Restored Rangelands: David Dahlgren
- 2:50–3:05 pm: Advancing Social Science in Smart Foodscapes: Surveys, Interviews, and AI-Driven Insights: Jessica Schad & Zubair Barkat
- 3:05–3:20 pm: Educating Future Land Stewards with Smart Foodscapes: Kathy Cabe Trundle

1:20PM-3PM.....SYMPOSIUM: THE 7TH BUD WILLIAMS MEMORIAL STOCKMANSHIP SYMPOSIUM: STOCKMANSHIP 'ROUND THE WORLD
Room: Redwood (Portola)

SESSION ORGANIZER:

Kent Reeves, Kelsey Nelson, Matt Barnes

SESSION DESCRIPTION:

Since 2015 there have been six Stockmanship Symposium at SRM Annual Meetings with the most recent in 2024. This Seventh Symposium for the 2026 SRM AM will provide a historical global perspective of stockmanship and how it has shaped range management on six continents. This symposium brings together livestock producers, researchers, and educators for an introduction and global history of Low Stress Livestock Handling and an interactive panel discussion of the practical use of Stockmanship for managing rangelands globally (Canada, Mexico, United States, Venezuela, Australia, Namibia, Kenya, United Kingdom, Mongolia).

AGENDA

Delane Atcitty - Executive Director at Indian Nations Conservation Alliance – Taos, New Mexico

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- Derek W. Bailey, Ph.D. – Professor of Range Science; New Mexico State University – Las Cruces, New Mexico
- Matt Barnes – Rangeland Scientist and Wildlife Conservationist; Shining Horizons Land Management, LLC– Montezuma, Colorado
- Brittany “Cole” Bush – Shepherdess, Rancher, Advocate, Entrepreneur, and Educator; Shepherdess Land & Livestock Company – Ojai, California
- Whit Hibbard, Ph.D. – Educator & Rancher, Publisher of Stockmanship Journal; Sieben Livestock Company – Adel, Montana
- Dawn Hnatow – Educator & Rancher; Cattle Up Stockmanship & CU Ranching, LLC – Sulphur Springs, Texas
- Roger Ingram – Educator & Rancher; County Director Livestock and Natural Resources Advisor UCCE Retired, Placer & Nevada Counties – Auburn,
- Kelsey Nelson – Rancher, Horsewoman, Packer, Educator, Ranch Manager; Eames Institute – Petaluma, California
- Byron Palmer – Rancher, CEO, Co-founder of Grounded: Evolutionary Grazing – Petaluma, California
- Kent Reeves – Range & Wildlife Conservationist, Rancher to Rancher Network – Jamestown, California
- Chris Schachtschneider - Lightning S Livestock Solutions,
- Dave Voth – Rancher, Stockman, CPRM – Integrated Grazing Management – Elko, Nevada
- Tina Williams and Richard McConnell – Hand ‘n Hand Livestock Solutions – Bolivar, Missouri

**1:20PM-3PM.....SYMPOSIUM: RANCHING WITH WOLVES:
THE POLICY, POLITICS, AND PRICE OF
COEXISTENCE IN CALIFORNIA**
Room: DeAnza III (Portola)

SESSION ORGANIZER:

Tracy Schohr

SESSION DESCRIPTION:

Gray wolves have reestablished in California at a rapid pace, presenting complex challenges in balancing conservation goals with social and economic realities. This session will feature research on the ecology and behavior of California’s wolf population, outcomes of social study of ranchers impacted by wolves, and economic impacts to livestock producers. Attendees will also take a virtual tour of ranches in wolf country and hear directly from producers navigating life and working in wolf-occupied landscapes. Together, we will explore managing livestock alongside wolves in California.

AGENDA

*Part 2 **continued from 10:20am-Noon session*

1:20- 3:00pm - Part 2

1:20 Welcome - Tracy Schohr, Livestock and Natural Resources Advisor, University of California Cooperative Extension (moderator)

1:30 Living and Ranching with Wolves: Virtual Tours and Producer Perspectives

Rick Roberti, Sierra Valley Rancher, and President of the California Cattlemen's Association

Paul Roen, Sierra Valley Ranch Manager and Sierra County Board of Supervisor

1:20PM-3PM.....SYMPOSIUM: METABOLIC HEALTH: THE RANGELAND CONNECTION; WORKSHOP: APPLICATION AND IMPLICATIONS
Room: Ironwood (Portola)

SESSION ORGANIZER:

Peter J. Ballerstedt, PhD

SESSION DESCRIPTION:

Metabolic health is increasingly recognized in medical and public spheres for its role in chronic disease prevention. Controversial nutrition guidelines and policies often overlook malnutrition's impact on health. Misunderstandings of these issues influence rangeland policies and practices. Given the global burden of malnutrition-related chronic illnesses, the importance of animal source foods (ASF) in human health, and rangelands' critical role in ASF production, this topic is vital for Society for Range Management members. This session explores how metabolic health connects to rangelands, informing better policy and practice for sustainable food systems and human well-being.

Introduction – Peter Ballerstedt

Clinical

Local, Rural Perspective – John Madany

At scale -Stephen Phinney

What role in IYRP and SRM? – Ballerstedt, Madany, Phinney

1:20PM-3PM.....IGNITE: CASE STUDIES FOR INTEGRATING REMOTE SENSING AND FIELD DATA FOR RANGELAND MONITORING AND DECISION-MAKING
Room: Cottonwood (Portola)

SESSION ORGANIZER:

Georgia Harrison

SESSION DESCRIPTION:

This session explores the complementary roles of remotely sensed and field-based data in rangeland monitoring, assessment, and

management. Presentations will showcase integration strategies across diverse applications such as grazing management, post-fire recovery planning, restoration monitoring, and biome-wide strategy mapping. These case studies will highlight how combining data sources enhances spatial insight, ecological relevance, and decision-making transparency. The session will also address best practices for local accuracy assessments and embedding remote sensing into operational workflows. A panel discussion will follow the presentations, offering perspectives on lessons learned and emerging opportunities to scale integrated approaches across rangelands.

AGENDA

1:20 – 1:25 PM – Opportunities for Synergy in Rangeland Decision-Making by Using Field and Remotely-Sensed Data — Georgia Harrison

1:25 – 1:30 PM – Strategic Conservation Planning to Inform Post-Fire Treatment — Chad Boyd, Katherine Wollstein, Cameron Duquette, Dustin Johnson

1:30 – 1:35 PM – Using RAP to Inform Landowner Decision-Making — Retta Bruegger

1:35 – 1:40 PM – Can We See the Outcomes of Rangeland Treatments from Space? Evaluating Seeding Success a Decade After the Long Draw Fire — Megan Creutzburg

1:40 – 1:45 PM – Identifying a Suitable Invasive Annual Grass Layer within the Gunnison Sage-grouse Range — Cameron Aldridge

1:45 – 1:50 PM – Use of Remote Sensing in BLM Land Health Assessments — Heather Nenninger, Jess McDermott, Nicole Hupp

1:50 – 1:55 PM – Using RAP to Gain Efficiency in Land Health Evaluations — Rachel Miller

1:55 – 2:00 PM – Using the Rangeland Analysis Platform (RAP) to Inform Stocking Rate Decisions in the Chihuahuan Desert — Micah Funk, Darren James, John Ragosta, Andres Cibils, Sheri Spiegel, Georgia Harrison

2:00 – 2:05 PM – Application of State-and-Transition Models to Remotely Sensed Fractional Cover Datasets — Lucas Phipps

2:05 – 2:10 PM – Integrating Remote Sensing into Reclamation Outcome Assessments — Michael C. Duniway, Gayle L. Tyree, Katie Eckhoff, Anna Knight

2:10 – 2:15 PM – Classification of RAP Data to Produce Annualized Fire Behavior Fuel Model Data for Rangelands — Kayla Johnston

2:15 – 2:20 PM – Rangeland Remote Sensing and Ground Data Fusion Case Studies: Lessons Learned and Educational Opportunities — Anthony Vorster, Nicholas Young

2:20 – 2:25 PM – Bringing It All Together in the Land Treatment

Exploration Tool — Michelle I. Jeffries and David S. Pilliod
2:25 – 2:30 PM – Considerations for Local Accuracy Assessments —
Matthew Rigge

2:30 – 3:00 PM – Panel Discussion on the Use of Remote Sensing
and Field Data for Rangeland Decision-Making — Sarah McCord,
Matthew Rigge, Tim Assal, Emily Kachergis, Georgia Harrison
(Facilitator)

**1:20PM-3PM.....IGNITE: THE VOICE OF PASTORAL YOUTH
FROM SOUTH TO NORTH AMERICA: CELEBRATING THE
IYRP EL VOZ DE JOVENES PASTORES DESDE SUDAMERICA
HASTA NORTEAMERICA: UNA CELEBRACIÓN DEL AIPP**
Room: Colton Room (MCC)

SESSION ORGANIZER:

The International Year of Rangelands and Pastoralists, Young
Professionals Conclave

SESSION DESCRIPTION:

The future of pastoralism, as a progressive component of a sus-
tainable global food system, will depend on the innovation and
inspiration of future generations. There are many challenges and
opportunities that face the next generation of pastoral people, and
this ignite session will highlight the voices of pastoral youth from
South to North America. What similar challenges do people in this
generation face? What are the differences? How can we all come
together to work for a better future for the next generations

El futuro del pastoralismo, como componente progresista de un
sistema alimentario mundial sostenible, dependerá de la inno-
vación y la inspiración de las generaciones futuras. La próxima
generación de pastores se enfrenta a numerosos retos y oportuni-
dades, y esta sesión de debate pondrá de relieve las opiniones de
los jóvenes pastores de América del Sur y del Norte. ¿A qué retos
similares se enfrenta esta generación? ¿Cuáles son las diferencias?
¿Cómo podemos unirnos para trabajar por un futuro mejor para las
próximas generaciones?

AGENDA

- 1:20pm-1:30pm: Welcome & Introductions
- 1:30pm-2:30pm: Youth Pastoralists from the Americas
- 2:30pm-2:45pm: Q&A with pastoral youth
- 2:45pm.-3:00pm: IYRP & Closing

**1:20PM-3PM.....CONTRIBUTED ORAL SESSION:
FIRE MANAGEMENT/FUELS & GRAZING 3**
Room: San Carlos IV (Marriott)

Matt Reeves: Geospatial Approach to Converting Grazing Data to
Fuel and Fire Behavior Expectations

Peter Olsoy: Evaluating indicators of fire-induced perennial bunchgrass mortality

Maddy Case: Fuel monitoring methods for pre-fire planning in sagebrush rangelands

Sydney Turner: Identifying critical live woody fuel moisture thresholds for extreme fire behavior in sagebrush ecosystems

Tara Bishop: State-and-Transition models and Ecological Site Groups for fire and fuel management

**1:20PM-3PM.....CONTRIBUTED ORAL SESSION:
HUMAN DIMENSIONS 3
Room: San Carlos III (Marriott)**

Ada Smith: Monitoring on U.S. Pasture and Rangelands: Highlighting the Value of Informal Approaches for Practical Use

Zubair Barkat: Expanding Rangeland Social Science Research with Artificial Intelligence: Insights from the Smart Foodscapes Project

2024 herder policies for sustainable rangelands and pastoralism: A Case study in Khoi Mogoin Gol Teel Local Protected Area

OPEN

**1:20PM-3PM.....CONTRIBUTED ORAL SESSION:
RESTORATION 6
Room: San Carlos I (Marriott)**

Justin Clarke: Mapping the Future of Grasslands with a Geospatial Framework for Conservation and Woody Plant Management

Emily Lockard: Increasing rangeland resilience through collaborative, climate-adaptive, community-engaged rangeland restoration in Southwestern Colorado, USA

Mike Anderson: Restoring Desert Watersheds: A GIS Approach to Nature-Based Solutions for Watershed Disruption at MCAS Yuma

Brett Alberts: Evaluating restoration success in a Conservation Reserve Program planting under different precipitation and weed pressure regimes

Olivia Panning: Effects of Disturbances Using a Combination of Grazing and Fire on Plant Community Composition on the Ft. Pierre National Grassland

**1:20PM-3PM.....CONTRIBUTED ORAL SESSION: RIPARIAN 1
Room: San Carlos II (Marriott)**

Elise Bakke: Diagnosing a Riparian Woodland through Vegetation Surveys and Seed Bank Collection

Benjamin Menapace: Plant community indicators of channel stability and incision for intermittent prairie streams

Victoria Dungey: Restoring Riparian Function with BDAs in South

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Dakota's Black Hill's: Early Results from Silver Creek

Russell Torgersen: Ecosystem recovery in natural springs following springbox removal in sagebrush-steppe landscapes

Kris Mueller: Reconnecting Green Ribbons: Targeting Mesic Restoration in the Sagebrush Biome for a Resilient West

1:20PM-3PM.....CONTRIBUTED ORAL SESSION: MANAGEMENT

Room: Los Angeles (Marriott)

Kali-Jo Bentz: Evaluating heifer feeding behavior and performance on Northern Great Plains rangelands.

Hannah Allen: Collaborative Adaptive Management in the Sandhills: Integrating Fire, Grazing, and Stakeholder Decision-Making

Md. Faizul Kabir: Rancher Preferences for Grassland Conservation Reserve Programs in the Northern U.S. Great Plains

John Watson: Indaziflam treatment reduces wildfire risk in semi-arid grassland plant communities

3PM-3:30PM.....AFTERNOON COFFEE BREAK

Room: Steinbeck Lobby

3:30PM-6PM.....SRM STUDENT AND HONOR AWARDS

Room: Steinbeck Ballroom

Thanks for joining us!



notes:

notes:

thank you to our presenting
sponsor..



Our Enduring Grasslands



See you in Wichita!