

SATURDAY 31 MAY

8:00 AM – 9:00 AM	WORKSHOP REGISTRATION OPEN		FOYER E
PRE-CONGRESS WORKSHOP 9:00 AM – 5:00 PM Global rangelands standard, certification and supporting rangelands monitoring system FACILITATED BY FIONA FLINTAN DAY 1		PRE-CONGRESS WORKSHOP 10:00 AM – 5:00 PM Considering multifunctionality of pastoralism to foster fruitful contributions of pastoralism to growing societal challenges FACILITATED BY BERNARD HUBERT DAY 1	
ROOM E1		ROOM E3	

Morning tea, lunch and afternoon tea provided.

SUNDAY 1 JUNE

8:00 AM – 9:00 AM	WORKSHOP REGISTRATION OPEN		FOYER E & RIVERBANK ROOMS 2, 3 & 4
PRE-CONGRESS WORKSHOP 9:00 AM – 4:45 PM Global rangelands standard, certification and supporting rangelands monitoring system FACILITATED BY FIONA FLINTAN DAY 2		PRE-CONGRESS WORKSHOP 9:30 AM – 5:00 PM Considering multifunctionality of pastoralism to foster fruitful contributions of pastoralism to growing societal challenges FACILITATED BY BERNARD HUBERT DAY 2	
ROOM E1		ROOM E3	RIVERBANK ROOMS 2, 3 & 4

Morning tea, lunch and afternoon tea provided.

FROM 1:00 PM	CONGRESS REGISTRATION OPEN	FOYER G
5:00 PM – 7:00 PM	WELCOME RECEPTION	EXHIBITION HALL (HALL FG)

MONDAY 2 JUNE

7:00 AM – 8:30 AM	CONGRESS REGISTRATION OPEN						FOYER G
8:00 AM – 8:45 AM	IRC BUSINESS MEETING #1						PLENARY (HALL C)
9:00 AM – 10:05 AM	WELCOME CEREMONY WELCOME TO COUNTRY, ADDRESS FROM THE HON SUSAN CLOSE, DEPUTY PREMIER OF SOUTH AUSTRALIA & IRC PRESIDENT ADDRESS KEYNOTE ADDRESS <i>First Nations & Mainstream Economies Co-Existing on Rangelands</i> Joe Morrison – Group Chief Executive Officer, Indigenous Land and Sea Corporation (Australia)						PLENARY (HALL C)
10:05 AM – 10:30 AM	MORNING TEA						EXHIBITION HALL (HALL FG)
10:30 AM – 12:05 PM	THEME 1 Cultivating knowledge among pastoralists' children, students, rangeland professional, and broader society	THEME 2 Bridging Perspectives – Indigenous, Non-Indigenous, and Traditional	THEME 3 Data collection and data platforms	THEME 4 Ameliorating rangeland soil health	THEME 5 Climate change impacts and ecological resilience	THEME 6 Animal productivity	THEME 7 System wide alternative land uses
CONCURRENT SESSIONS							
LOCATION	ROOM E1	ROOM E2	ROOM E3	PLENARY (HALL C)	RIVERBANK ROOM 2	RIVERBANK ROOM 3	RIVERBANK ROOM 4
	Chaired by Dionne Walsh Neetika Sharma 51 • Modifying the education system for the children of migratory pastoralists of Jammu and Kashmir state of India for equitable growth Justin Wied 159 • Prairie Project on Zooniverse: Citizen science and inquiry-based learning for	Chaired by Chantsalkham Jamsranjav Ouerle Chao 34 • Resilience Through Diversity: A Comprehensive Analysis of Pastoral Traditional Knowledge Functions Tungalag Ulambayar 118 • Indigenous Perspective to Sustainable and Resilient Rangeland in Mongolia	Chaired by Graciela Metternicht Alison Specht 319 • The value proposition for systematic long term vegetation studies Kath Ryan 354 • Review of a regional scale grassland condition monitoring method Derek Bailey 478 • Use of commercial rumen	Chaired by Zhanhuan Shang Yuchen Li 143 • Grassland degradation altered soil microbial community Karl Andersson 342 • Using gypsum to ameliorate a scalded claypan with salinity close to seawater concentrations	Chaired by Greg Curran Michelle Tedder 75 • South African mesic grasslands are resistant to drought but not warming Greg Curran 90 • Temperature Change across Central Australia: Episodic Warming Abdrahmane Wane 284 • Wealth Creation, Income Distribution,	Chaired by John Walker Jean Savian 97 • A General Faecal Nitrogen Model for Estimating Intake in Cattle And Sheep Fed Multi-Species Native Forage Karen Harper 222 • Comparison of equations to predict the metabolizable energy content as applied to lucerne	Chaired by Oscar Blumetto James Muir 220 • 3R's: Regenerative Rangeland Ranching in Southern North America Peter Zund 471 • Irrigated and rainfed cropping on northern Australian rangelands



promoting rangeland literacy

Lauren Svejcar
390 • Addressing modern challenges to rangelands, grasslands, and grasslands people through a unified outreach effort

Karen Launchbaugh
497 • Education and Experience to Empower the Next Generation of Rangeland Professionals

Cory Farnsworth
 ⚡ **23** • Utah Range Camp: Helping Youth Value Rangelands

Pedro María Herrera Calvo
 ⚡ **451** • Drylands' summer school: a pathway from training to a community of professionals

Benjamin Scow
 ⚡ **481** • Color Country Natural Resource Camp – Teaching High School Students about Natural Resource Career Opportunities

José Castro
470 • Interdisciplinary Investigations Identify Local Ecological Knowledge Important for Pastoralist Adaptation to Climate Change In Montesinho (Portugal)

Dana Kelly
483 • Aboriginal and White Pastoralist History – the positive stories

Robin Reid
546 • Contributions of Indigenous scholars and communities to co-production theory and practice: A non-Indigenous scientist's view

Halima Nenkari
 ⚡ **398** • Trilateral Cooperation to Improve Forage Supply for Pastoralists In The Rangelands of Kenya, Tanzania and Argentina.

boluses to evaluate hot and cold weather impacts on cattle grazing rangelands

John Carter
226 • Construction of a 200 year annual domestic livestock distribution geographical datasets for Australia for the pre-digital era 1788 to 1980

Robert Hassett
554 • The Land Condition Assessment Tool – enabling the enablers and supporting Queensland's land condition program

Karl Andersson
404 • Soil testing to support decision making in the rangelands

Srijana Joshi Rijal
 ⚡ **422** • Pastures under pressure: Restoration of high-altitude rangelands in Bhutan and Nepal

and Adaptation among Sahelian Pastoralists in a Shock-Prone Environment

Carlos Díaz-Ambrona
 ⚡ **314** • Climate Change Projections and Their Impact on Grassland Systems: A Longitudinal Study in Central Spain

Ray Smith
397 • Assessing livestock-plant toxicity using sentinel farms and historical records

Kieren McCosker
402 • Feeling the Heat: A Retrospective Investigation Of Thermal Load Impacts On Cattle Performance

Anita Chang
558 • Rumination as a measure of heat tolerance: a case study in rangeland beef in northern Australia

Wayne Pitchford
104 • What can southern rangelands beef producers learn from 20 years of maternal productivity research?

Fernando Lattanzi
368 • Ten-year study on primary and liveweight production of a subtropical native rangeland: Assessing long-term nitrogen and phosphorus fertilizer legacy effects

Pedro María Herrera Calvo
486 • Grazing with Trees: Upscaling Silvopastoralism for Improved Drylands Management

Saravan Peacock
526 • Diversification of uses in South Australia's pastoral land

Mogamat Igshaan Samuels
 ⚡ **257** • Examining the Dynamic Shift Between Pastoralism And Agro-Pastoralism: Comparative Insights From South Africa And South Asia

Ian Watson
 ⚡ **434** • Agricultural and Water Resource Assessments in The Extensive Rangelands of Northern Australia

1:05 PM – 2:30 PM	THEME 1 Informed policy & governance + women empowerment and leadership in rangelands	THEME 2 Collaborations for rangeland restoration and conservation	THEME 3 Decision support – models and tools for integrated rangeland management	THEME 4 Can herbivores be part of the solution? Grazing management for rangeland restoration	THEME 5 Enhancing adaptive capacity to climate-related risks	THEME 6 Emissions management in grazing	THEME 7 Rangelands in a global carbon economy
CONCURRENT SESSIONS							
LOCATION	ROOM E1	ROOM E2	ROOM E3	PLENARY (HALL C)	RIVERBANK ROOM 2	RIVERBANK ROOM 3	RIVERBANK ROOM 4
	Chaired by Rachel Hay	Chaired by Stephen van Leeuwen	Chaired by David Phelps	Chaired by Janis Boettinger	Chaired by Carlos G.H. Díaz-ambrona	Chaired by Beverley Henry	Chaired by Cathleen Waters
	David Layne Coppock 72 • Policy Engagement to Enhance Future American Rangeland Systems—Implications for The IYRP 2026 Tugsbuyan Bayarbat 210 • Adapting Decent Work (SDG 8) For Sustainable Pastoral Systems: Meanings and Challenges of Decent Work for Mongolian Herder Women Gedda Abule 295 • Developing a community-based rangeland health system in Ethiopia Shruti Majumdar 477 • Need for Institutional Bricolage in the Conservation of Orans in India and Beyond	Emily Lockard 358 • Increasing rangeland resilience through community engaged climate adaptive restoration Zsolt Molnar 420 • Knowledge Co-Production Between Herders and Scientists for Better Management of Species-Rich Pastures Aaron Smith 449 • Protection of Sacred Springs in South Australia's Rangelands Carol Baldwin 506 • Biome-scale distress: Tackling big conservation challenges through collaboration and cooperation Flavie Audoin 646 • Building Public Awareness For	Hemant Pandeya 161 • Back to The Future – Site, Science and Sustainability Tamara Freitas-Kirk 197 • On-Animal Sensors: Measuring Grazing Cattle Behaviour Under Two Different Supplement Strategies Francisco Dieguez 261 • Index of "fast" Meal Plate Index Guerschman Sadeeka Jayasinghe 413 • Quantifying Ecosystem Services: A Conceptual Framework for Regenerative Agriculture In Western Australia's Rangelands John Leys ⚡ 134 • Predicting Drought Using	Osvaldo Sala 225 • Destocking of Livestock as a Global Phenomenon Pedro María Herrera Calvo 240 • The GLO Rangelands report: framework and theory of change for sustainably managing and restoring rangelands Sarah McDonald 384 • Herd Effect and Deep Ripping to Restore Claypans in Western NSW Rangelands Yadong Wang ⚡ 48 • Bottom-Up Effects of Multiple Vegetation Properties And Soil Water Content On Arthropods Driven By Different Intensities Grazing	Beth Penrose 108 • How are global megatrends likely to provide opportunities and challenges for northern Australian rangelands? Martín Jaurena 136 • Resistance to water deficits and recovery post-stress of native and naturalized grasses from Campos grasslands Fiona Flintan 302 • Climate Change Impact and Opportunity for Strengthening Adaptive Capacity in Rangelands Warwick Badgery 540 • Assessing trigger points for flexible livestock management decisions in rangelands	My Pham Kieu 31 • Trade-Offs Between Farm Profit and Greenhouse Gas Emission Reduction Dianne Mayberry 221 • Transforming ruminant livestock systems for nature protection, human wellbeing, and climate mitigation: Diverse systems require nuanced solutions Elizabeth Boughton 41 • Cows, Carbon, and Conservation Kamini Gautam ⚡ 112 • Mulberry for mitigating enteric methane emissions and ensuring sustainable livestock feeding systems in India Dhirender Kumar 303 • Potential of Pastoral-Based	Hussein Tadicha Wario 99 • Green energy and grazing in the rangelands: alternative land uses or just transition? Courtney Regan 199 • Carbon farming on the margins: Unlocking carbon sequestration potential in rangelands under expanded eligibility criteria. Oscar Blumetto 212 • Assessing organic soil carbon stock in extensive livestock system based on native grasslands Alex Baumber 272 • Carbon Farming in Rangelands: Policy Lessons from Australia Amanda Elledge

Pedro María Herrera Calvo
363 • Strengthening Women's Leadership in Dryland Systems: A Case Study of the WeCaN Community of Practice

Rebekah Ash
⚡ 279 • Exploring how gender intersects resilience in the face of chronic uncertainty in the drylands

Fidaa Haddad
⚡ 288 • Unleashing multifunctionality: How policy support and good governance are key to sustainable land management

Ambica Paliwal
⚡ 282 • Bridging Gender Gaps in Rangeland Resource and Conflict Mapping: The Role of Participatory GIS, A Case Study in Kenya

Rangelands And Pastoralists Via Social Media And The FIFA World Cup 2026

Remotely Sensed Vegetation Cover

Brandon Bestelmeyer
⚡ 187 • A tool for guided state and transition model development based on ecological theory

Ganzorig Gonchigsumlai
450 • Socio-Economic and Ecologic Factors for Herder Household Mobility in Mongolian Steppe

Andiswa Finca
239 • Linking rangeland condition to grazing management practices: lessons learnt from champion farmers in the grassland and savanna biomes

Fiona Flintan
484 • Resilience in Practice: Re-examining Mobility and Social Solidarity for Climate Change Adaptation.

Fiona Flintan
302 • Climate change impacts and opportunities for strengthened adaptive capacity in rangelands

Agroforestry Systems in Climate Change Mitigation in the northwestern Himalayas

Juan Pablo Guerschman
322 • Developing a tool to assess soil carbon sequestration potential in the Northern Australian rangelands

440 • What Lurks Beneath the Surface: Contribution of Profile Soil To Total Carbon Stocks In Vertosols Of Central Queensland, Australia

Jacqueline England
⚡ 233 • Comparison of Techniques for Estimating Soil Bulk Density In Arid And Semi-Arid Rangelands: Implications For Estimation Of Soil Carbon Stocks

Boubaker Dhehibi
⚡ 286 • Oil, gas, and mineral industry role in rangeland restoration: A systematic review

2:35 PM –
3:05 PM

AFTERNOON TEA

EXHIBITION HALL
(HALL FG)

3:05 PM –
4:40 PM

THEME 4
 Water ecology and management in rangelands

HOSTED SESSION
 Promoting pyric herbivory and mixed species grazing for enhancing livestock production from rangelands in the Great Plains

HOSTED SESSION
 IYRP – Australian pastoralist groups session

HOSTED SESSION
 Enhancing climate resilience across rangelands – from research to extension

CONCURRENT SESSIONS

– Integrated research–education–
extension Endeavor



LOCATION	PLENARY (HALL C)	ROOM E1	ROOM E2	ROOM E3
	Chaired by Angus Duguid Anthony Palmer 9 • Exploring trade-offs between water and carbon linked to woody encroachment in native, semi-arid grassland, Eastern Cape, South Africa Nathan Penny 312 • 'Put Your Money Where Your Success Is' A Review of Interventions To Improve Pastoral Land Condition In The Southern Rangelands Aaron Smith 415 • Managing Groundwater in South Australia's Rangelands Paul Theakston 437 • Creating and Enhancing Greenspots in The Arid Zone of Western NSW, Australia M. Anowarul Islam ⚡ 504 • Effect of Planting Configurations And Irrigation Regimes On Yield, Quality, And Economic Returns Of Alfalfa-Grass Mixtures	Courtney Duchardt 40 • A disturbance triangle: investigating the interactive role of prairie dogs with fire and grazing in North American Great Plains X. Ben Wu 127 • Promoting rangeland literacy through development of agents of change and high-impact education resources Sakina Dixon 165 • Developing teachers and faculty to be change agents promoting the value of rangelands: Impacts of the Prairie Project Educator Cohorts John Walker 192 • Comodity Production Increased with Mixed-Species Grazing and Pyric Herbivory	Danielle Connolly 500 • Where will we be in 20 years? Brigid Price 538 • Visions for 2045: A pastoralist's perspective on advocacy with purpose Debbie Dowden 550 • Challa Station in 2046	Andrew Marshall 333 • Enhancing climate resilience through the NACP extension service Emily Hinds 334 • Enhancing climate resilience as a NACP Climate Mate Timothy Cowan 109 • Development and verification of thermal stress forecasts for cattle in Australia's Rangelands Rajashree Naha 111 • Northern Australia's Green Break of Season (GBOS) dates and their relationship with pasture Stephanie Larson 174 • BRUSH, BURN, RETURN – Maintaining Rangeland Health Following Catastrophic Fires
4:40 PM – 6:00 PM	POSTER SESSION			EXHIBITION HALL (HALL FG)
6:00 PM – 7:30 PM	Australian Rangeland Society 50th Anniversary Celebration TICKETED EVENT			FOYER AB

TUESDAY 3 JUNE

7:00 AM – 8:30 AM	CONGRESS REGISTRATION OPEN						FOYER G
8:30 AM – 10:00 AM	WELCOME ADDRESS Hon Clare Scriven, Minister for Primary Industries and Regional Development and Minister for Forest Industries						
	KEYNOTE ADDRESS Stewards of the steppe: Khoid Mogoin Gol-Teel pastoral community institutions and their role in rangeland ecosystem conservation Tungalag Ulambayar • Zoological Society Luujin, UNCCD (Mongolia) Odongerel Davaasuren • Herder, Bayanbulag Community-based Organisation (Mongolia)						
	KEYNOTE ADDRESS Appolinaire Djikeng • Director General, International Livestock Research Institute (ILRI) & Managing Director, Consultative Group on International Agricultural Research (CGIAR) (Kenya)						
10:00 AM – 10:30 AM	MORNING TEA						EXHIBITION HALL (HALL FG)
10:30 AM – 12:05 PM	THEME 1 Pastoralists training and peer-learning	THEME 2 Collaborative approach to grazing management	THEME 3 Rangeland mapping technologies and tools	THEME 4 Controlling the invaders	THEME 5 Intersecting risks to rangelands in Asia, Africa and the Middle East	THEME 6 Carbon sinks in grazing systems	THEME 7 Biodiversity and environmental services, markets, offsets
CONCURRENT SESSIONS							
LOCATION	ROOM E1	ROOM E2	ROOM E3	PLENARY (HALL C)	RIVERBANK ROOM 2	RIVERBANK ROOM 3	RIVERBANK ROOM 4
	Chaired by Carolyn Palmer Andrea Tschirner 213 • Empowering Pastoral Landowners through Soil Understanding and Land Management Strategy Ian Perkins 231 • North Australian Indigenous Producer Group – Progress, Learnings And Contributions	Chaired by Andiswa Finca Fiona Flintan 264 • Participatory rangeland management (PRM): from concept to continental scaling Michael Schellenberg 297 • Diverse Adaptive Landscape-Livestock Interaction Approach to Beneficial Grazing	Chaired by Jake Hennig Weylin Gilbert 164 • Mapping Depleting Aquifers in Drylands and the Impact on Net Primary Productivity Guodong Han 204 • Accurate modelling of photosynthetic light response of grasses	Chaired by John Gavin Eugene Schupp 229 • Birds, Lagomorphs, Rodents, and Patterns of Juniperus osteosperma Recruitment David Peacock 320 • It's Not The Plants You Can See But Those You Can't See: Managing Australia's	Chaired by Beth Penrose Xiribu Puhua 46 • Impacts of COVID-19 Lockdown Measures on Pastoralism on the Tibetan Plateau: Risk Analysis of Pastoralism under Increasing Marketization Manam Saeed 12 • Understanding The Challenges In	Chaired by Tim Moore Beverley Henry 630 • A review of the science and evidence linking management and soil carbon sequestration in Australian rangelands Rory O'connor 81 • Wyoming sagebrush rangeland	Chaired by Jacqueline England Oscar Blumetto 248 • Contributions of science to add value to rangeland-based livestock products: the case of Uruguayan ultrafine wool John Scasta 391 • Quantifying multiple ecosystem service responses to adaptive multi-paddock grazing management in a North American semi-arid



Stacey Holzapfel
380 • The Northern Territory Rangeland Management Course: growing the next generation of land managers

Kylie Hopkins
553 • Beef leaders to impact and influence within the rangelands

Mitchell Plumbe
105 • Grazing Fundamentals EDGE: partnerships, collaboration and co-design in practice

Marcelo Pereira Machin
 ⚡ **65** • Transformation of tacit knowledge into recommendations for ranchers through rural extension in Uruguay

Harriet Bawden
 ⚡ **113** • Carbon in the rangelands: Developing a training package for pastoralists

Alison Kain
243 • A life in the Central Australian pastoral industry starts here – creating future land managers through Rangeland

Management in Canadian Prairie Rangeland Production Systems

Sarah McDonald
383 • The Rangelands Living Skin Project: Lessons For Co-Designed, Collaborative Research In NSW Rangelands

Justin Derner
482 • Collaborative Adaptive Rangeland Management: Lessons learned and opportunities awaiting from the first decade

Diego Cáceres
43 • 12 Years of Grassland Board in Uruguay

Dean Thomas
277 • WAARC, A State Government Funding Initiative to Catalyse Agricultural Research in Northern Western Australia

Dan Rosauer
244 • Accounting for carbon stock change in Australia's rangelands – a hybrid approach using remote sensing and empirical modelling

Lucy Gardner
335 • Assessment of Mitchell Grass Tussock Density and Distribution on Southern Gulf Rangelands using High Resolution Drone Imagery and Machine Learning

Tor-Gunnar Vagen
357 • Assessment and mapping of rangeland health in East Africa and globally

Terrence Beutel
 ⚡ **386** • Mapping the condition of Queensland's grazing lands

Rangelands Means Managing Pest Rabbits

Khyati Thacker
360 • Restoring The Banni Grasslands: A Model For Combating Invasive Species, Supporting Natural Ecosystem And Empowering Pastoral Communities

Eric Thacker
162 • Evaluation of treatment type and grass species for restoring Artemisia-dominated rangelands in the Great Basin of North America

Libyan Rangeland Conservation: Exploring Future Pathways For Sustainable Rehabilitation

Kristina Toderich
235 • Central Asian Winter Cold Desert Rangelands (CACDR): Climate-smart approaches to restoration and conservation

Jingpeng Guo
 ⚡ **141** • The Grazing Effects On GPP In Inner And Outer Mongolia Grasslands Under Climate Change And Divergent Grassland Use Systems

Unathi Gulwa
580 • Can legume inclusion in pasture systems improve forage carbon ($\delta^{13}C$) and nitrogen ($\delta^{15}N$) nutrition? Findings from Tsolo, EC, South Africa.

soils are a weak methane sink

Ricardo Mata-Gonzalez
82 • Enhancing Carbon Sequestration in Western U.S. Rangelands through Responsible Wool Standard and Regenerative Sheep Farming Practices

Pedro Herrera
480 • Enhancing Carbon Sequestration In Drylands Through Silvopastoral Systems

Gary Bastin
 ⚡ **153** • Longterm impacts of rabbit and livestock grazing on carbon sequestration in arid rangelands

Luke Newey
 ⚡ **271** • Know Your Numbers: Soil Carbon Sequestration Has Potential To Support Carbon Neutral Red Meat And Wool Production In Semi-Arid Rangelands

sagebrush steppe ranch experiment

Nathan Manders
552 • Restoring biodiversity in a multi-use rangeland: mining, pastoral and indigenous land users come together at Arid Recovery, South Australia

Fernanda Gomes Moojen
468 • Integrating Grasslands with Conservation: Field-Based Insights from Uruguay's Grassland Conservation Index

Juan Villalba
 ⚡ **350** • Creating New Foodscapes To Enhance The Sustainability Of Rangelands In The Western Us

Sarah Luxton
 ⚡ **475** • State and transition modelling as a contextual framework for leading indicators of restoration in the Western Australian Mulga rangelands

12:05 PM –
1:00 PM

LUNCH

EXHIBITION HALL
(HALL FG)

1:00 PM –
2:35 PM

CONCURRENT
SESSIONS

THEME 1	THEME 2	THEME 3	THEME 4	THEME 5	THEME 6	THEME 7
Land tenure, land rights, land-uses, conflicts & governance	Valuing traditional and Indigenous knowledge: evolution, threats and opportunities	Rangeland monitoring models and techniques	Fire for vegetation management in grazed rangelands	Innovative tools for addressing risk	Grazing management – plant-animal interface	Local area intensification of rangelands

LOCATION

ROOM E1

ROOM E2

ROOM E3

PLENARY (HALL C)

RIVERBANK ROOM 2

RIVERBANK ROOM 3

RIVERBANK ROOM 4

Chaired by Pedro María Herrera Calvo	Chaired by Tungalag Ulambayar	Chaired by Saravan Peacock	Chaired by Robyn Nicolay	Chaired by Don Burnside	Chaired by Geoff White	Chaired by Bayarmaa Enkhbayar
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Fiona Flintan
263 • Joint village land use planning across administrative boundaries protects shared grazing lands and water points in Tanzania

David Kroeker-Maus
265 • Toward a new methodology for conceptualizing Pastoral and Mobile Indigenous Peoples' tenure rights

Barbara Hutchinson
45 • Documentary Film – Stories of American Rangelands: Meeting the Challenges of a Changing Climate & Culture

Jenna Hyatt
620 • ESRM planning, delivering NRM action

Chantsalkham Jamsranjav
228 • Mongolian Herders' Plant Knowledge: Intergenerational Transfer And Change

Ouerle Chao
311 • Adapting Traditions: Resilience of Pastoral Traditional Knowledge in East Ujimqin Banner, Inner Mongolia

Mandeep Singh Azad
196 • Use of Ethnoveterinary practices among transhuman/pastoral farmers in hilly areas of Jammu and Kashmir India

Nominbolor Khurel
400 • The Science-Policy Adaptive

Melissa Piper
270 • Assessing woody plant health in Rangeland and Ecosystems: Implications for Estimates of aboveground biomass

Juergen Knauer
326 • DAVE-grass: a process-based model for herbaceous vegetation dynamics

Andres Sutton
392 • Harnessing Fractional Cover Time Series To Monitor Dryland Ecological Integrity At Multiple Scales

Robert Denham
473 • What standard error metrics don't tell

Matthew Danckwerts
622 • Char Height On Fence Posts As A Practical Indication Of Flame Length And Thus Fire Intensity In Grassfires

Jim Ansley
173 • Mesquite (Prosopis) Seedling Responses To Fire And Grass Production In The Southern Great Plains, USA

Jaldesa Doyo Liban
209 • Participatory Development of effective Bush control techniques and Improve Rangelands in Borana lowlands, Southern Ethiopia

Robyn Cowley
432 • Lessons From A 30 Year Burning

Theresa Becchetti
176 • Predicting Forage Production into the Future

Jack Koci
394 • Impact of rainfall extremes on land condition in the Southern Gulf rangelands of north-west Queensland, Australia

Kristi Cammack
323 • Assessing the Environmental Footprint of Grazing Bison in the United States

Jarud Muller
441 • Testing virtual fencing for the sustainable management of north Australian rangelands: Impacts

Frank Yonghong Li
15 • Effects Of Grazing Herbivore Species, Season And Intensity On The Steppe Rangelands In An Adaptive Management System

Silas Mudyiwa
39 • Grazing management effect on mineral content of grasses: Case of two veld types of the Eastern Cape, South Africa

Craig Thornton
185 • Overgrazing Improved Pasture In The Brigalow Belt Bioregion Of Central Queensland, Australia, Changed Pasture Composition While Increasing Runoff And Erosion

Ram Kumar Vinod
114 • Reviving the rangelands: Silvopasture approaches for profitable land restoration

Serena Ferrari
125 • The manure value chain in the North of Senegal. What social, economic and environmental sustainability?

Maneet Rana
223 • Fertile Bajra-Napier Hybrids of Pennisetum are a potential candidate for “de-ranging” Indian rangelands to other food production systems

Fidaa Haddad
287 • Nurturing Communities And Land: The Power Of Grazing With Trees In Dryland Ecosystems

TUESDAY 3 JUNE

and direction through collaboration

Jameson Brennan

373 • Bridging Academia and Outreach: Mentorship Programs for Future Rangeland Scientists

Capacity For Local Herding And Government Groups To Reduce Climate Vulnerability: Case Of Gobi-Altai Province, Mongolia

us about model performance – a fractional cover use case

Experiment In Northern Australian Grazed Tropical Savannas

on beef cattle grazing behaviour, pasture resource, and cattle production

Aaron Norris

378 • Evaluation Of Herd Instinct Tags on Cattle Behavior in the Trans-Pecos Region of Texas

John Walker

47 • Genetic Environment Interaction On Percent Juniper In The Diet Of Goats Divergently Selected For High Or Low Juniper Consumption

Yanlong Li

64 • Grazing Management Influence Temporal Stability Of Grassland Productivity By Altering Species Asynchrony And Dominant Species Stability In A Semi-Arid Steppe

Fiorella Cazzuli

70 • How does the forage utilisation during winter of a native grassland pasture affect the subsequent dry matter offer in spring?

Rohit Bishist

300 • Exploring the Nutritional Composition of Fodder Resources Utilized by Transhumant Gaddi Shepherds in the Western Himalayas, India

Tjelele Tlou Julius

10 • Evaluation of germination and early seedling growth of grasses irrigated with treated mine-water

Om Singh

67 • Efficient Land Utilization In Rain Fed Farming System For Cultivation Of Millet Crops To Support Diversification Of Agriculture In India

Kendrick Cox

274 • Using The Australian Tropical Forages Collection To Develop New Pasture Legumes For Australian Rangelands

TUESDAY 3 JUNE

2:35 PM –
3:05 PM

AFTERNOON TEA

EXHIBITION HALL
(HALL FG)

3:05 PM – 4:40 PM CONCURRENT SESSIONS	THEME 3 Technological innovation and access: novel opportunities for rangeland communities		THEME 4 Understanding the system – rangeland dynamics and ecology		THEME 6 Livestock systems around the world		HOSTED SESSION Developing and maintaining productive and profitable pastures in the tropics and subtropics of Queensland, Australia		HOSTED SESSION IYRP films on pastoralism and biodiversity conservation		HOSTED SESSION Resilient rangelands – adapting to change and harnessing future opportunities in South Australia's rangelands	
												
LOCATION	ROOM E1		PLENARY (HALL C)		ROOM E2		ROOM E3		RIVERBANK ROOM 2		RIVERBANK ROOM 3	
	Chaired by Derek Bailey		Chaired by Nan Liu		Chaired by Anna Okello		Stuart Buck				Hosted by:	
	Rachel Hay 253 • Better Connected: building connectivity skills towards technology adoption to support rural, regional, and remote business and community		Paula Toro-Mujica 101 • Effects of orientation on moisture, temperature, biomass production, and nutritional composition of natural grassland in the central zone of Chile		David Drevon 91 • Pastoral resources and quality signs: from construction to deconstruction? Some cases in the South-East of France		251 • 2025 situation analysis of pasture dieback in eastern Australia				Jodie-Gregg Smith , General Manager SA Arid Lands Landscape Board	
	Thomas Williams 561 • Opportunities and challenges for sustained AgTech adoption in grazing systems		Idrissa Sawadogo 170 • Structure and Phenology of Herbaceous Stratum in the Sahelian Rangelands of SÉNÉGAL		Walter Ayala 132 • Meeting Global Food Demand Sustainably: Insights From Uruguay's Campos Ecosystem In South America		Kendrick Cox 273 • Legume Production Paddocks To Improve Beef Enterprise Productivity And Grassland Management				Panellists: Dr Ellen Litchfield , Wilpoorinna Station, deputy Chair SA Arid Lands Landscape Board	
	Case Medlin 507 • Long-Term Chemical Management Of Undesirable Brush On Southwestern U.S. Rangelands		Pengfei Xing 183 • The Photodegradation Effect Of Plant Litter In Typical Temperate Steppe Varies By The Litter State And Age		Robert Washington-Allen 166 • Identifying the appropriate spatial and temporal scales to address sustainable management of Drylands: A US Tribal lands case study		Gavin Peck 317 • Long Forgotten Pasture Evaluation Trials Delivering Legacy Of New Persistent Legume Varieties				Dr John Read , Director, Ecological Horizons, Pastoral Board member	
	Rebekah Ash 278 • Greenhouse Gas Mitigation Strategies in East African Pastoral Systems Beyond Technical Solutions		MeshackRodgers Wafula 307 • Exploiting polyploidy in napier grass (Pennisetum purpureum Schum) to increase forage yield, feed value and tolerance to disease		Guesbeogo Viviane Yameogo 479 • Livestock Policies In Sub-Saharan Africa: Trade-Offs And Implications For Pastoralists Livelihoods		Peter O'Reagain 298 • Long Term Effects Of Different Stocking Strategies On Land Condition And Profitability In A Highly Variable Climate				Darren Ray , Principal Climate Change Analyst, Department for Environment and Water	
	Sarah McCord 366 • Leveraging rangeland fractional cover						Brad Hough 525 • Spelling Strategies For Recovery Of Poor Land Condition				Ross Sawers , Consultant	

technologies to advance
rangeland management

Thomas Ferguson

⚡ **331** • Information
technologies to empower
and support land
managers to participate
in carbon farming
projects: a case study
from Australia's
rangelands

Abdrahmane Wane

474 • The Structurant Role
of Rangeland Products in
the Regional Livestock
Supply Chain of West
Africa

Smruti Smita Mohapatra

⚡ **564** • Nurturing
sustainability through
pastoral livelihoods in
Kashmir Valley

Niilo Gobius

⚡ **276** • Arresting Grazing
Land Condition In
Queensland's Northern
Gulf Depends On
Improving Business
Performance

Dana Walkington

⚡ **523** • Can the Principles
of Intensive Multipaddock
Grazing Systems
Accelerate Land Condition
Recovery?

Greta Dunne

⚡ **530** • Legume
Establishment In
Challenging Environments
Of North West Queensland,
Australia

Kylie Hopkins

524 • Pathways less
travelled to successful
legume adoption

4:40 PM –
6:00 PM

POSTER SESSION

**EXHIBITION HALL
(HALL FG)**

WEDNESDAY 4 JUNE

MID-CONGRESS TOURS

TOUR 1	TOUR 2	TOUR 3	TOUR 4	TOUR 5	TOUR 6
Indigenous Culture ½ Day Tour	Water management in the Murray-Darling Basin	Agricultural and Rangeland R&D	Burra and Beyond	Adelaide Hills	McLaren Vale
MORNING SESSION FROM 9:00 AM AFTERNOON SESSION FROM 12:45 PM	9:00 AM – 5:15 PM	8:30 AM – 6:00 PM	8:00 AM – 6:00 PM	8:45 AM – 4:30 PM	9:30 AM – 5:00 PM

For all tours, please meet at the Registration Area (Foyer G) at the Adelaide Convention Centre for departure, at least 15 minutes prior to your tour start time. At the conclusion of your selected tour, you will also be dropped off at the Adelaide Convention Centre, unless otherwise indicated.

THURSDAY 5 JUNE

7:00 AM – 8:30 AM		CONGRESS REGISTRATION OPEN						FOYER G
8:30 AM – 10:00 AM	KEYNOTE ADDRESS							PLENARY (HALL C)
	Cultivating Climate Courage							
	Dr Anika Molesworth • Founder, Climate Wise Agriculture (Australia)							
10:00 AM – 10:30 AM	KEYNOTE ADDRESS							EXHIBITION HALL (HALL FG)
	Big data and digital tools to support adaptive rangeland management							
	Dr Nicholas Webb • Research Physical Scientist, US Department of Agriculture’s Agricultural Research Service (USDA-ARS) (USA)							
MORNING TEA								
10:30 AM – 12:05 PM	THEME 3	THEME 4	THEME 4	THEME 6	HOSTED SESSION	HOSTED SESSION	HOSTED SESSION	
CONCURRENT SESSIONS	Remote sensing for rangeland management	Grazing and ecohydration for ecological health	Management for biodiverse rangelands	Grazing management – system perspectives	Crafting a New Narrative for Sustainable Rangeland Management in Africa	IYRP Session	Strategies and tools to navigate global change in non-equilibrium rangelands	
								
LOCATION	ROOM E1	ROOM E2	ROOM E3	RIVERBANK ROOM 2	RIVERBANK ROOM 3	RIVERBANK ROOM 4	PLENARY (HALL C)	
	Chaired by John Leys	Chaired by Terrence Beutel	Chaired by Elizabeth Boughton	Chaired by Robyn Cowley	Jason Sircely	Andiswa Finca	Nathan Sayre	
	Carlos Domenech 98 • Leveraging Earth Observation services for enhanced livestock farming productivity	Mariska Weijerman 54 • Restoration techniques of rangelands in hyper-arid desert areas	Kawther Alshlash 55 • Restoring Biodiversity in a Hyper-Arid Desert Ecosystem in Saudi Arabia	Yuping Rong 275 • Sustainable management to reduce grasslands grazing pressure and improve household income in northern China	115 • Institutional capacity building and co-design of novel management practice unlock greater potential in communal grazing lands in Sub-Saharan Africa	241 • Realizing the opportunities and potential for pastoralist youth in rangelands	186 • Non-equilibrium then and now	
	Humberto Perotto 555 • Integrating Drone Technology into Rangeland Management: Plants, Livestock and Wildlife	James Kerr 259 • Ecological regeneration in a low rainfall environment using long rest grazing management	Matt Barnes 316 • Grazing Management and Low-Stress Herding To Prevent Livestock Predation By Grizzly/Brown Bears: A	Jeanne Carver 83 • Sustainable Sheep Ranching through Regenerative Grazing in the Western United States: The	Serena Ferrari 200 • Local feeding practices as mitigation option for low-carbon livestock systems in sub-Saharan Africa	Carolyn Palmer 11 • The Adaptive Systemic Approach: Equitable Co-Design And Partnerships For Sustainable Multi-Use Rangelands In Tanzania, Ethiopia, And South Africa	Panellists: Brandon Bestelmeyer, USDA-ARS- Jornada Experimental Range Maria Fernandez-Gimenez, Colorado State University Susanne Vetter, Rhodes University, South Africa	

Luke Newey
 ⚡ 254 • Fusion Of Pixel & Object-Based Image Analysis To Improve Stratification Of Soil Carbon Projects In The Semi-Arid Rangelands, Australia

Jameson Brennan
 296 • Integrating Remote Sensing and in Pasture Weighing Technology to Estimate Dry Matter Intake for Grazing Beef Cattle

Lucas Phipps
 616 • The Application of State-and-Transition models to remotely sensed vegetation cover datasets

Cara Sambell
 457 • Working together for successful Ecological Rehydration and Grazing Management in the Western Australian Rangelands

Leigh A. Winowiecki
 371 • Scaling rangeland restoration in East Africa through synergies in the biodiversity-water-climate nexus

Jason Williams
 417 • Ecohydrological resilience of sagebrush rangelands following tree encroachment and removal

Teresa Carita
 ⚡ 217 • Local Flora For Ecological Restoration: The Flore Project

Case Study In The Rocky Mountains, USA

Drew Bennett
 362 • Fencing the Future: Enhancing Livestock Management and Wildlife Conservation with Virtual Fencing

Nokubonga Ncube
 496 • Frequency distribution and species richness of gastrointestinal parasites in free-ranging *Papio Ursinus* spp. in a semi-arid savanna ecosystem of Zimbabwe.

Janis Boettinger
 535 • Soils and Rare Plant Habitat in the Colorado Plateau

Case of Shaniko Wool Company on Carbon Neutrality

Brien [Ben] Norton
 188 • It's Time to Revisit the Dichotomy Between Researchers and Producers Regarding Rotational Grazing

Megan Willis
 151 • Virtual fencing aids rest-based grazing and mustering in an extensive cattle grazing system

Christine Plummer
 167 • Improving Tactical Decision Making in the Western NSW Pastoral Zone

Nic Kentish
 ⚡ 194 • Grazing animals without boundaries

Trudie Atkinson
 ⚡ 515 • 'Care of country': grazing management practice and attachment to place

Georgia Anderson
 ⚡ 519 • Cattle walk further than 3 km from water in central Australia, but only if they have to!

Mounir Louhaichi
 154 • Comprehensive Strategies For Sustainable Rangeland Ecosystem Restoration

Yigezu Atnafe Yigezu
 198 • In Which Biome Is The Most Degradation Happening? The Case Of Croplands, Rangelands, Forests, And Irrigation Water In Tunisia

Maguette Kaire
 ⚡ 502 • Rangeland degradation in West Africa and agro-ecological restoration solutions

Ndeye Amy Kebe
 503 • Bridging the Gap: Jokalante and AICCRA's Collaborative Approach to Enhancing Climate Resilience in the Livestock Sector in Sénégal

Jesus Fernando Florez
 79 • Trade-Offs And Synergies Between Pastoral Activities And Ecosystem Services: Valuation Of Carbon Emissions Mitigation

László Sáfián
 426 • Respectful Research And Publication Of traditional Herders' Ecological Knowledge

Nitya Ghotge
 343 • Pastoralist women's initiatives in self-organisation and co-innovation for a sustainable future

Richard Fynn, Okavango Research Institute, Botswana

Andrew Ash, A.J. Ash and Associates, Australia

Layne Coppock, Utah State University

Roy Behnke, Independent Scholar, United Kingdom

	Strategies In Livestock Systems					
12:05 PM – 1:00 PM	LUNCH					EXHIBITION HALL (HALL FG)
1:00 PM – 2:30 PM	Forum – in partnership with the International Year of Rangelands and Pastoralists FEATURING TWO PANEL DISCUSSIONS ON THE FUTURE OF RANGELANDS AND WORKING TOGETHER					PLENARY (HALL C)
2:30 PM – 3:00 PM	AFTERNOON TEA					EXHIBITION HALL (HALL FG)
3:00 PM – 4:35 PM	THEME 3 The role of technology in facilitating collaborative rangelands research	THEME 4 Management impacts on rangeland soil carbon and nitrogen	THEME 6 Livestock intensification	HOSTED SESSION Extending the boundaries in rangeland management to include the soil microbiome	HOSTED SESSION Harnessing private sector finance for large-scale rangeland restoration through sustainable livestock value chains including the development of a rangelands stewardship certification scheme and standard	HOSTED SESSION Women in Rangelands
CONCURRENT SESSIONS						
LOCATION	ROOM E1	ROOM E2	ROOM E3	RIVERBANK ROOM 2	RIVERBANK ROOM 3	PLENARY (HALL C)
	Chaired by Alex Baumber	Chaired by Susan Orgill	Chaired by Walter Ayala	Jaidyn Eastaughffe	Fiona Flintan	Hosted by
	John Oliver Carter 214 • Continental-scale modelling of pasture growth with the AussieGRASS model for Australia’s rangelands: learnings from 40 years of operation	Bin Wei 57 • Conventional grazing decreases soil organic carbon by destroying physical and mineral protections	Hedwig Nenkari 163 • Cushioning pastoralist against effects of drought: The case of beef feedlotting and rangeland restoration	423 • How grazing management influences biocrust community composition in the Northern Territory rangelands	Introduction to STELARR (Sustainable Investments in Large-Scale Rangeland Restoration)	Debbie Dowden (Australia) & Nitya Ghotge (India)
	David Augustine 294 • Quantifying And Interpreting The Utility Of Foraging Behavior Metrics	Wang Hao 145 • Moderate Grazing Helps Reduce Greenhouse Gas Emissions From Typical Steppe In Inner Mongolia	Paul Beck 203 • Sustainable Intensification of Grazing Operations Using Targeted Supplementation	Than Myint Swe 433 • Monitoring Pre- And Post-Fire Changes In Land Cover Including Biocrusts Using High Resolution Satellite Imagery In A Grazed Tropical Savannah	Derek Baker 269 • Mobilizing luxury brands’ value added as investment in rangelands	Panellists: Pauline Ngurumwa (Tanzania) OdongereI Davaasuren (Mongolia)
					Leigh Ann Winowiecki 237 • The need for a global rangeland health monitoring framework	Maria Jesús Pons Ferrer (Spain)

Derived From On-Animal Sensors In Extensive Rangelands

Jacob Hennig

356 • Cattle travel distances and habitat selection relative to production stage and demographics in a North American rangeland

Mahdiyeh Razeghi

539 • Assessing Climate Variability and Future Projections Impacting Groundwater Resources in the Great Artesian Basin, Australia

Carrie-Ann Wilson

347 • Navigating Technology Adoption: Mapping Beef Producers' Decision Journeys

José Castro

485 • Enhancing Rangeland Management Through Technology: A Case Study of Sheep and Goat Grazing in Montesinho Natural Park

Ruihuan Zhang

399 • Defoliation effects on carbon allocation: evidence from $^{13}\text{CO}_2$ pulse labelling experiment

Nan Liu

509 • Large ungulate grazing enhances soil carbon sequestration: evidence from a field-simulated grazing experiment

Jianfeng Li

144 • The nitrogen-fixing symbiotic system and nitrogen accumulation characteristics of sand dune Agriophyllum squarrosum with endophytic nitrogen-fixing bacteria

Fernando Lattanzi

374 • Fate of nitrogen and phosphorus after chronic long-term fertilization of grazed and cut subtropical native rangelands

Ian Watson

431 • Intensification Of Extensive Livestock Systems Using Irrigated Forages Or Hay – A Bioeconomic Modelling Approach

Mary Williams

427 • Cattle Grazing Rangelands Augmented with Naturalised Stylo Had Higher Liveweight Gains In The Victoria River District Of The Northern Territory

Nicky Parker

438 • Dust to Crust: Rangeland regeneration through biocrust inoculation of Mitchell grass seed

Wendy Williams

442 • Should We Burn Or Bust The Biocrusts: An Overview Of Biocrust Management In The Australian Rangelands

Maria Vega Cofre

448 • Microhabitats Drive Nutrient Cycling Potential Of Biocrust Communities In The Australian Rangelands

Nicole Pietrasiak

512 • Insights into the variability of topsoil microbiomes across Chihuahua Desert ecological sites and states

Carlos Domenech

208 • Building a global Rangelands Data Platform: Safeguarding rangelands through data-driven decision making

Dave McElroy

280 • The potential of certification schemes for transformative change through self-supporting income: opportunities and challenges for the new global Rangeland Standard

Ibolya Sáfián (Hungary)

Marie Gladue (United States)

Bhavana Desai (India)

4:35 PM –
6:00 PM

POSTER SESSION

EXHIBITION
HALL
(HALL FG)

7:00 PM –
11:00 PM

CONGRESS DINNER

7:00 PM – 7:30 PM • Pre-Dinner Drinks

7:30 PM – 11:00 PM • Seated for Dinner

TICKETED EVENT

PANORAMA
BALLROOM

FRIDAY 6 JUNE

7:00 AM – 8:30 AM	CONGRESS REGISTRATION OPEN					FOYER G
8:30 AM – 10:00 AM	KEYNOTE ADDRESS <i>Mind the gap: Integrating rangeland ecology into management requires more than just knowledge transfer</i> Susanne Vetter • Associate Professor, Rhodes University & President, Grassland Society of Southern Africa (South Africa) KEYNOTE ADDRESS <i>Traversing Transdisciplinary Terrain: A Journey from Knowledge Integration to Decolonial Awareness</i> Maria Fernandez-Gimenez • Senior Research Scholar & retired Professor, Colorado State University (USA)					      PLENARY (HALL C)
10:00 AM – 10:30 AM	MORNING TEA					EXHIBITION HALL (HALL FG)
10:30 AM – 12:05 PM	THEME 3 Decision support tools for pastoralists and grazing systems	THEME 4 Impacts of fire on rangeland vegetation and diversity	THEME 4 New shoots – Reseeding and planting for rangeland restoration	THEME 5 Resilience and adaptation among pastoralists	THEME 6 Integrated livestock management with crops and trees	
CONCURRENT SESSIONS						
LOCATION	ROOM E1	ROOM E2	PLENARY (HALL C)	ROOM E3	RIVERBANK ROOM 2	
	Chaired by Sarah McDonald	Chaired by Stephanie Larson	Chaired by Mounir Louhaichi	Chaired by Jodie Gregg-Smith	Chaired by Ambica Paliwal	
	Tip Hudson 106 • Big landscapes meet big data in StockSmart--grazing decision support with temporally and spatially explicit annual net primary production data Merilynn Schantz 232 • Plant production forecasting; current state and opportunities for advancing grazing land management Juan Pablo Guerschman 364 • Empowering Producers With A National Grassland Biomass Service	Lisa Ellsworth 86 • Effectiveness and durability of common fuel treatments in sagebrush-dominated rangelands Xavier A. Jaime 150 • Effect of prescribed fire on plant α- and β-diversity and their spatial patterns in mesquite-oak savanna Lisa Ellsworth 489 • Historic fuel treatment effects on plant community dynamics following wildfire	Zhanhuan Shang 22 • Active restoration improved self-restoring ability in extremely degraded alpine meadow Gaowen Yang 147 • Enhancing rangeland sustainability by reseeded legumes in temperate steppe Azaiez Ouled Belgacem 313 • Enhancing The Resilience Of Saharan Rangelands By Reseeding Drought Tolerant Native Shrubs: The Case Of Lygos Raetam In Southern Tunisia	Bayarmaa Enkhbayar 16 • How Rural Mongolians Understand Climate change: Knowledge, Attitude and Practice Survey Tracy Burnett 152 • Attentive Maintenance Models of Social-Ecological Pastoral Systems Hedwig Nenkari 160 • De-Risking, Inclusion and Value Enhancement of Pastoral Economies (DRIVE) Project in Kenya	Lauren Porensky 267 • Negative effects of moderate drought on forage quality and quantity can be long-term and exacerbated by heavy grazing Robyn Cowley 443 • Factors Influencing Pasture Utilisation In Northern Australian Rangelands Hamideh Keshavarzi 266 • Finishing Opportunity By Irrigated Crops Can Help Managing Supply Chain In Northern Western Australia Beef Enterprise	

	Carrie–Ann Wilson 396 • Collaborative Intelligence: AI-Driven Decision Support for Beef Production	Robyn Nicolay 476 • Frequent Prescribed Fires Contributes to Soil Organic Carbon Sequestration and Pyrogenic Carbon Stability in South African Mesic Grasslands	Bedasa Eba 446 • Re-seeding on highly degraded rangeland as strategy for forage production, biodiversity, and carbon sequestration in Ethiopia	Anthony Whitbread 339 • Strategies for building resilient pastoral and agropastoral systems in Africa	Jessica Windh 495 • Use of integrated crop–livestock systems to reduce economic risk to rangeland grazing systems
	Terrence Beutel ⚡ 508 • Evolving VegMachine.net: Enhancing a Successful Tool for Australian Rangeland Cover Analysis	Idrissa Sawadogo 169 • Woody species composition, diversity and vegetation structure of two rangeland areas along a climatic gradient in Burkina Faso (West Africa)	Maryam Saffariha ⚡ 545 • Development of an Environmental Decision Support System for Predicting the Natural Distribution of Festuca ovina in Land Restoration Efforts	Theresa Rukuni 461 • Mucuna pruriens–based feeds that improve sustainability of communal goat farming during the dry season in semi–arid savannah of southern Africa	Robyn Cowley 88 • The economics of safe stocking rates in Central Australia
	Norah Fairose Nakachwa ⚡ 466 • Sustainable initiatives for Soil Health in the Rangelands		Amy Wright ⚡ 178 • Four Spinifex Species of the East Kimberley		
12:05 PM – 1:00 PM					EXHIBITION HALL (HALL FG)
LUNCH					
1:00 PM – 2:00 PM					PLENARY (HALL C)
IRC BUSINESS MEETING #2					
2:00 PM – 3:30 PM					PLENARY (HALL C)
CLOSING SESSION					
Closing address by Barron Orr, and closing summaries provided by Ian Watson, Bulgamaa Densambuu & Igshaan Samuels					
CONGRESS CLOSE					

**The congress program is subject to change at the discretion of the IRC 2025 Organising Committee*