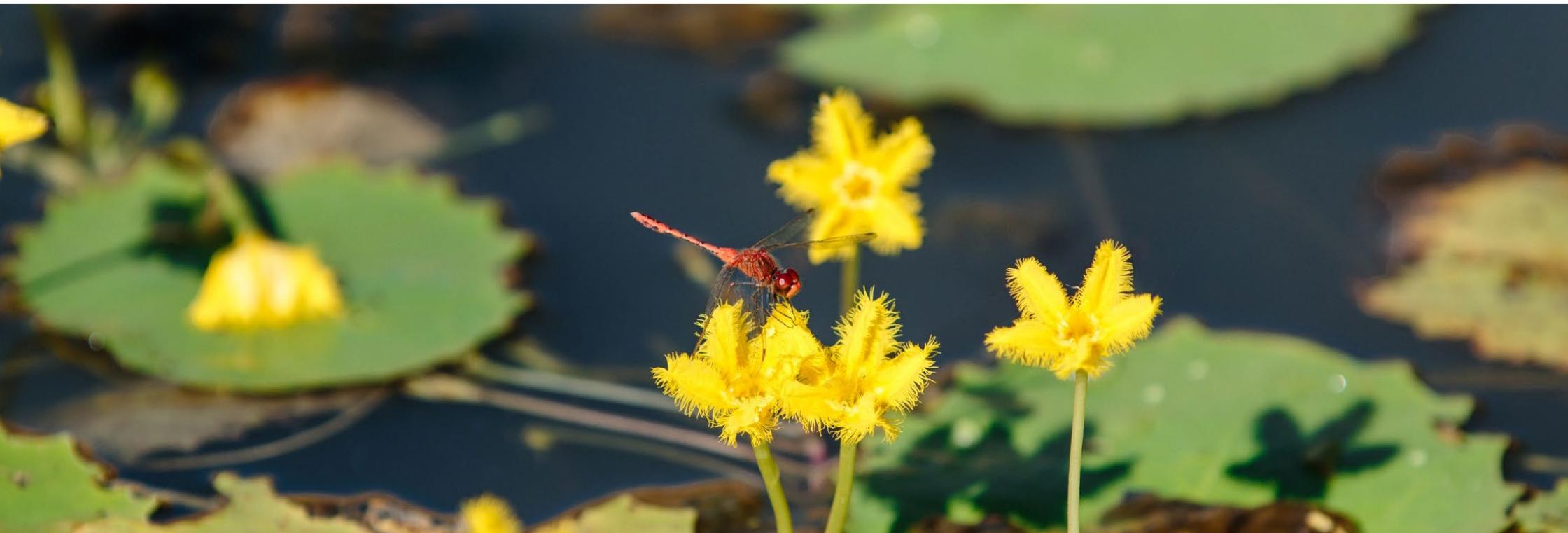




**TERRITORY NATURAL
RESOURCE MANAGEMENT**
2019 CONFERENCE 12-14 NOVEMBER, DARWIN



**TERRITORY NATURAL RESOURCE MANAGEMENT
2019 CONFERENCE REPORT**

The 2019 Territory Natural Resource Management Conference and NT Natural Resource Management Awards would not have been possible without our valued and generous partners.

We truly appreciate the support and contribution our partners have made to our capacity to deliver this years' Conference and Awards, as well as their ongoing support and commitment to Territory Natural Resource Management throughout the year.

Platinum Partners



Gold Partners



Clare Martin AO

Silver Partners



Bronze Partners



Thank you to everyone who attended and supported the 2019 Territory Natural Resource Management Conference and the NT NRM Awards gala dinner. Your participation and contribution is what makes this three day event the only natural resource management gathering of its kind in the Territory and we are extremely proud to deliver this in collaboration with our members, project partners, industry colleagues, award nominees and event sponsors!

This year we reached record numbers across the suite of workshops, field trip, presentations and awards gala dinner.

We were delighted to host over 500 delegates from across the Territory, and further afield, from 12-14 November at the Charles Darwin University Waterfront Campus, and the Darwin Convention Centre.

The conference program covered a broad range of topics and gave important insight into emerging best practices for mine site rehabilitation and work being undertaken to protect our natural and cultural assets. It highlighted local produce, sustainable farming and biosecurity, as well as the diverse work carried out by ranger groups across the Northern Territory. The conference also provided plenty of opportunities for valuable face to face networking, sharing and learning.

The NT NRM Awards ceremony was a fantastic event, demonstrating the collegial nature of the people working in natural resource management.

316 guests warm-heartedly celebrated the achievements of the individuals and groups who are our champions of nature, conservation and farming for the future.

The conference and awards showcase and advance activities related to sustainably managing the Territory's land, water and biodiversity. We were thrilled to have Indigenous organisations, community groups, government, Territory businesses, industry bodies, primary producers and even Northern Territory schools all under one roof, participating in the conference.

Taken from the feedback received, we seem to be on the right track together and we look forward to working with you toward the 2020 Territory Natural Resource Management Conference and NT NRM Awards!

Over

500

delegates
attended the

3 DAY EVENT



24

RANGER GROUPS
from across the NT
participated

56

**WORKSHOP
PRESENTATIONS**

Delegates valued the networking opportunities the conference provided as well as the breadth of topics and projects presented through presentations and interactive workshops.

16

**PODIUM
PRESENTATIONS**

15

**POSTER
PRESENTATIONS**

10

WORKSHOPS

8

**INFORMATION
DISPLAYS**



292

delegates attended
the presentation day

316

guests celebrated
NRM achievements
at the prestigious
NT NRM AWARDS
gala dinner

140

organisations, businesses, community groups,
government departments participated, including

5 NT SCHOOLS





Territory Natural Resource Management is an independent not for profit, organisation. We work with individuals, groups, industry and government to plan for and support the sustainable management of our land, water, soil, plants and animals.

Our 80 Members include industry bodies, Indigenous organisations, community and Landcare groups, primary producers, local government, and businesses.

We are custodians of the NT Natural Resource Management Plan. This community plan identifies and sets the strategic direction for natural resource management in the Territory.

We work with the community to address management priorities identified in the Plan by:

- Planning, coordinating and working collaboratively to deliver projects
- Building partnerships and supporting people to work together
- Sourcing funding and assistance for on ground work
- Bringing people together to share information and knowledge and learn from each other
- Supporting training to increase skills and capacity
- Sharing success stories and recognising the efforts of Territorians in managing our natural resources

WORKSHOPS

Conservation in the Territory: The path forward?

A series of expert presentations looked at current conservation challenges that the Territory faces, and the way in which diverse stakeholders, programs and agencies are trying to achieve conservation outcomes.

Ecosystem Simulations: Utilising agent-based modelling to understand complex human/ecological systems

This hands on workshop demonstrated the use of agent-based simulations that explore the landscape and ecological processes in Northern Australian Savannas.

Coastal Conservation: Caring for the Top End Coast

A series of presentations on the activities that are being undertaken in NT coastal areas by Indigenous Ranger groups, volunteers, researchers, not for profit organisations and Government, to provide inspiration and information for anyone wanting to become involved in coastal conservation.

Climate Change and Variability: Adapting to an uncertain Territory future

This workshop looked at the key challenges and opportunities a changing climate will bring to natural resource managers in the Northern Territory. It was of value to anybody with an interest in the Territory's climate future, and in particular those charged with planning to safeguard social, cultural, economic and natural assets against climate change.

Program Implementation

This workshop provided participants with practical skills and tools to lead the successful delivery of projects. It was targeted to people who manage projects as part of their job, or are keen to learn more about project implementation.

West Arnhem Land & Kakadu Region Futures

This symposium took participants on an asset - focused journey in the Kakadu and West Arnhem region: outlining key natural and cultural assets, looking at how future developments and plans may impact on our day to day ability to look after these assets, and explained how weeds, feral animal, fire and climate change are affecting the region.

FIELD TRIP

Pudakul Aboriginal Cultural Tour: Educational, interactive Aboriginal cultural experience

WELCOME RECEPTION AT CHARLES DARWIN UNIVERSITY WATERFRONT CAMPUS

The 2019 Territory Natural Resource Management Conference Welcome Reception took place on the 5th floor of the Charles Darwin University Waterfront Campus.

It provided a relaxed atmosphere with great views across the harbour for delegates to meet before the busy conference and awards schedule and feel welcome.



PRESENTATION DAY

Addressing an audience of over 290 delegates, presenters shared their work and answered questions in a series of talks and panel discussions held throughout the day.

Morning and afternoon tea as well as a buffet lunch provided for great networking opportunities.

Session 1

River Listening: Exploring the possibilities of Eco acoustics and freshwater conservation

Dr Leah Barclay, Australian Eco acoustics Researcher

A new collaboration to monitor atmospheric changes in the tropics

Larrakia Rangers

Challenges and Successes of the Bulgul Rangers

Timothy BurrBurr, Bulgul Land and Sea Ranger Coordinator, Caring for Country Branch, Northern Land Council

Northern Territory Strong Woman for Healthy Country Forum & Network

Mimal Land Management Aboriginal Corporation



Session 2

Projects and Partnerships

Territory Natural Resource Management and partners presented on a number of collaborative projects being delivered across the Northern Territory through support from the Australian Government's National Landcare Program.

Protecting the Natural Values of west Arnhem Land and the Kakadu World Heritage Area

Karen May, Territory Natural Resource Management

A simulation model for Gamba grass spread

Rohan Fisher, Information Technology for Development researcher, Charles Darwin University

Estimating buffalo populations across Arnhem Land

Susanne Casanova, Territory Natural Resource Management

Sustainable Pastoral Business Program & Territory Conservation Agreements

Karen May, Territory Natural Resource Management

Collaborating to protect threatened species

Kelly Dixon, Territory Natural Resource Management

Using choppers to find hoppers: surveys for the Northern Hopping Mouse on Groote Eylandt

Katie Oxenham, Catherine Mamarika and Christinale Lalara, Anindilyakwa Land & Sea Rangers

Session 3

Expanding Oyster Aquaculture in the Northern Territory

Matt Osborne, Department of Primary Industry and Resources; Bunug Galaminda, Yagbani Aboriginal Corporation

Organic Style Farming in the Territory

Lina- Paselli-Kruse, Cofounder Malak Marketplace; Mike Scott, Co-owner Organic AG

NT Producer Panel -Territory local and sustainable

Moderator: Richard Cornish, Fairfax Media

Panel: Alan Petersen, Rum Jungle Organics; Ben Wall, Tamara Cooperative and the Desert Fruit Company; Fiona McBean, Eva Valley Meats; Karen Sheldon, Karen Sheldon Catering; Sally Clayton, Fred's Pass Rural Show 50km Feast.



Session 4

Burning in the Barkly: The Muru-Warinyi Ankkul Rangers Recent Fire Management Activities

The Muru-Warinyi Ankkul Rangers (Anne-Marie Waistcoat and Troyston Corbett)

African swine fever – Beware the Trojan pig

Guy Weerasinghe, Veterinary Policy Officer for the Northern Australian Quarantine Strategy (NAQS) the Department of Agriculture

Working quickly, working together – responding to new high priority weed incursions in the NT

Susan King, Weed Management Branch, Department of Environment and Natural Resources

Tiwi Fire Management for carbon stocks and biodiversity

Hugh Davies and Cara Penton, Charles Darwin University

Willie Rioli, Collin Kerinaiaua, Willie Roberts, Brian Austral, Edward Henry-Whiting, Warwick Puruntatameri, Tiwi Land Rangers



POSTER PRESENTATIONS

Caring for the communities' cats and dogs: A community driven One Health approach to improving animal and human health and wellbeing.

Peter Sheldon - Thamarrurr Rangers

Gardens for Wildlife

Tristan Cook - Darwin City Council

What the water means to us - a Larrakia perspective: results from monitoring Darwin Harbour and Shoal Bay

Larrakia Rangers and Amanda Lilleyman - Charles Darwin University

Indigenous Women Rangers - Why they are important and strategies for increasing recruitment and retention

Penelope Mules and Sheila White - Northern Land Council

Fire Stories from Satellites

Ben Lewis - Fire Stick

An Update on the Economic Development Strategy for the NT Aboriginal Land Estate

Michael Devery - Centrefarm/ALSEDA

Are we doing the best for birds? Urbanisation and the birds of the Darwin region

Sarah Fischer - Charles Darwin University

Collaborating to create Australia's qualifications in Conservation and Land Management

Kate Vanson - Skills Impact

The Yokkarra Crew – what we learned from catching and selling fish in and around Maningrida

Clem Bresson, Don Wilton, Jimmy Olsen, Stuart Ankin – Bawinanga Aboriginal Corporation; Natasha Stacey and Peter van Wyk – Research Institute for the Environment and Livelihoods, Charles Darwin University

Exporting biocontrol: Assisting African land managers to control mimosa using Australian populations of American moths

Michelle Franklin and Louis Elliott - Weed Management Branch, Department of Environment and Natural Resources, NT Government, Michael Day - Department of Agriculture and Fisheries, Qld Government and Arne Witt - Centre for Agriculture and Bioscience International, Kenya

Wildlife Drones - innovative technology for improved animal tracking and Natural Resource Management

Dr Debbie Saunders - Wildlife Drones and Chris Roach - Gaia Resources

The 10 Gigawatt Vision - How renewable energy can power jobs and investment in the Northern Territory

Shar Molloy - Environment Centre NT

Preparing for Commercial Activities – WHS Management

John Jansen - NARMCO

Perceptions of Fire Management around Australia - To Burn or Not to Burn

Anthony Kerr

Outcomes from the 2019 North Australia Savanna Fire Forum

Anna Boustead - Indigenous Carbon Industry Network

Platinum and Gold level partners are given the option to take a display booth, positioned in the concourse area of the convention centre. The below organisations exhibited during the presentation day:

- Northern Territory Strong Woman for Healthy Country Network, collaborative Healthy Country 5 mural painting
- PEW Charitable Trusts
- Westpac
- McArthur River Mine
- NTG - Department of Primary Industry and Resources
- NTG - Department of Environment and Natural Resources
- Territory Natural Resource Management information booth
- ABC Country Hour - Broadcast live from the main day of the conference



2019 NT NATURAL RESOURCE MANAGEMENT AWARDS

Territory Natural Resource Management is proud to host the NT Natural Resource Management Awards. The awards recognise and celebrate the remarkable work being undertaken by the Territory's champions of nature, conservation and farming for the future.

We sincerely thank those who nominated individuals and groups for these awards as well as those who were nominated.

The breadth of award winners once again reflected the diversity of Territorians working to care for our natural environment, Territory Natural Resource Management wishes to warmly congratulate all nominees, finalists and winners!

A record number of nominations were received across 9 award categories, and assessed by an independent panel of judges.

The NT NRM awards are announced midway through the conference at the prestigious gala dinner. This year, 316 guests, finalists, winners, dignitaries and partners gathered at the Darwin Convention Centre to celebrate the 2019 awards.



Best Collaboration in Natural Resource Management Award

Sponsored by Northern Territory Government Department of Primary Industry and Resources and the Department of Environment and Natural Resources

Sea Swift & East Arnhem Regional Council

For their partnership to prevent toxic chemicals, heavy metals and recyclable waste streams from entering unlined landfill sites across nine remote Indigenous communities.



Collecting Containers at Galiwinku

Farmers & Fishers Sustainability Award

Sponsored by Charles Darwin University School of Primary Industries

Eva Valley Meats

For their success as the first paddock to plate on-farm abattoir and butcher's shop in the Northern Territory, and their ethically managed, local and high-quality produce.



Peter Cogill (left) and Fiona McBean, of Eva Valley Meats

Indigenous Natural Resource Management Award

Sponsored by Territory Natural Resource Management

Mimal Land Management

For their work to reduce threats to People, Country and Culture by managing late season fires, weeds, feral animals and freshwater quality, as well as the conservation of rock art and sacred sites.



Mimal Rangers - early morning burning. Photo: Emma Masters

Environment & Conservation Award

Sponsored by Territory Natural Resource Management

Sandra Kendell, Territory Tails

For her contribution to early childhood education in environmental awareness and threatened species conservation.



Sandra Kendell at her children's bookstall

Junior Natural Resource Management Award

Sponsored by Channel Nine

Alawa Primary School

For their efforts to reduce adverse environmental impacts and encourage local biodiversity by establishing a safe environment for local plants and animals, recycling and composting waste, and raising awareness to reduce plastic straw consumption and minimise other plastic waste in the environment.



Painted plant labels representing different layers of vegetation

Ranger of the Year Award

Sponsored by Parks and Wildlife Commission of the Northern Territory as a division of the Department of Tourism and Culture

Fred Hunter, Kakadu National Park

For his work with both Kakadu National Park and Warddeken Land Management which has been an enormous benefit to the local community by strengthening culture, passing on intergenerational knowledge, creating jobs and providing solutions for long term, sustainable management of country.



Fred conducting Crocodile Night Spotlight tours in Kakadu

Research in NRM Award

Sponsored by Outback Helicopter Airwork NT

Charles Darwin University / Tropical Turtle Group

For their research into the decline in the health and populations of the northern long-necked turtle (*Chelodina oblonga*) in the Finniss catchment.



Dr Linda Ford looking for long-necked turtles at the Finniss River Floodplain

Sustainable Enterprise Award

Sponsored by Northern Territory Airports

Malak Marketplace Inc

For its strong sustainability principles in its operations and its stall holders, and significant commitment to eco-friendly sustainable development management practices.



Free Malak Marketplace bags, to reduce plastic bag waste

Lifetime Achievement Award

Sponsored by Territory Natural Resource Management

Mandaka Marika, Dhimurru Aboriginal Corporation

For his pivotal role in natural and cultural resource management in the NT through his long association with the Dhimurru Aboriginal Corporation.



Mandaka Marika, Managing Director, Dhimurru Aboriginal Corporation

People's Choice Award

Alawa Primary School

For their efforts to reduce adverse environmental impacts and encourage local biodiversity by establishing a safe environment for local plants and animals, recycling and composting waste, and raising awareness to reduce plastic straw consumption and minimise other plastic waste in the environment.



Painted plant labels representing different layers of vegetation



Emerging Best Practices for Mine Site Rehabilitation in the Territory

Considering both the environmental challenges posed by mine site rehabilitation, and the potential benefits in the form of local partnerships and community participation in ongoing site management.

Profitable Grazing Systems

A showcase of Meat and Livestock Australia's Adoption Programs, providing practical examples of what producers are achieving through them and how to get involved.

World Cafe

Learning innovative Engagement Techniques with Matrix on Board

Stories from Country

A range of successful communicators and story tellers including local authors, Indigenous Ranger groups and journalists presented their stories, and shared with the audience how and why they tell them.



Territory Natural Resource Management is grateful for the interest our media partners as well as broader media have shown for the 2019 Conference and NT NRM Awards.

Platinum Partner Channel Nine ran 3 Community Service Announcements for 4 weeks each, during prime time TV slots and presented the Junior NRM award to this year's winner.

ABC Darwin interviewed several speakers and award finalists in the lead up to and post event.

The ABC Country Hour broadcast live from the main day of the conference and pre-recorded interviews for future broadcast.

ABC Landline journalist, Kristy O'Brien took the roll of Master of Ceremony for the NT NRM Awards gala dinner.

Local newspaper, NT News, printed a double page advert, congratulating the 2019 NT NRM Award winners.

Media partner NRM.jobs advertised key dates in the lead up to both the Conference and the Awards on their website.

National Indigenous Times, Queensland Country Life, The Katherine times and The Centralian Advocate covered the event.

Territory Natural Resource Management used Sli.do an easy-to-use Q&A and polling platform for meetings and events, during the main day of the conference

A professional photographer, Shane Eecen of Electric Light Studios, was engaged for the main day as well as the NT NRM Awards gala dinner.

Territory Natural Resource Management engaged professional designer and visual communicator, Kate Hodge of Hodge Environmental to produce all 2019 Conference and Awards branding collateral.

SOCIAL MEDIA

TNRM Conference Website:

www.tnrmconference.org.au

Facebook: facebook.com/TerritoryNRM

Twitter: twitter.com/TerritoryNRM



FINANCIAL AND IN-KIND CONTRIBUTIONS

Financial and in-kind contributions from conference partners, also went toward supporting NRM community members to attend the conference.

Partner contributions were used in the following ways:

- Travel assistance for natural resource managers from remote and isolated areas to attend the conference.
- Transport costs for field trips.
- Venue costs for workshops, presentation sessions and the awards gala dinner.
- Travel and accommodation assistance for NT NRM Award finalists to attend the awards.
- Subsidising the NT NRM Awards Gala dinner, ensuring land managers and volunteers could afford to attend.



For more information about Territory Natural Resource Management partners, programs, schedule of events, or TNRM membership benefits, please contact:

☎ 08 8942 8300

@ info@territorynrm.org.au

🌐 www.tnrmconference.org.au



SAVE THE DATE! NEXT YEAR'S TNRM CONFERENCE
AND NT NRM AWARDS
17-19 NOVEMBER 2020