



Outback Carbon Farming Conference

Unlocking the potential of carbon sequestration in WA's rangelands

Conference Program

8.00 - 8.45 *Registration desk open from 8am. Join us for coffee from 8am.*

8.45 - 9.30 *Welcome and conference opening*

- Conference opening
- Welcome to country - Sealin Garlett
- Opening address - Hon. Terry Redman MLA, Minister for Regional Development; Lands; Minister Assisting the Minister for State Development

9.30 - 10.20 *Carbon – the state of play here and around the world*

- International climate change politics and what the Paris Agreement means for Australia
 - David Hodgkinson, Associate Professor, Law School, UWA; Partner, law firm HodgkinsonJohnston
- Australia's approach to carbon policy and markets. The state of play and what does the future hold?
 - Peter Castellás, CEO, Carbon Market Institute

10.20 - 10.45 *Morning tea*

10.45 - 12.10 *Carbon – the state of play here and around the world (continued)*

- Regulation of carbon sequestration in the Western Australian rangelands - Scott Girdler, Special Counsel, Clayton Utz
- Carbon farming and Native Title: implications and opportunities - Rhys Davies, Senior Associate, DLA Piper
- Discussion panel

12.10 - 12.50 *Lunch*

12.50 - 1.40 *Carbon sequestration: the science and other essentials*

- Carbon in the Western Australian Outback: understanding the science - Dr. Peter Russell, Consultant Ecologist, Peter Russell Living Geology
- New techniques for measuring carbon in 3D using Unmanned Aerial Vehicle imagery - Simon Abbott, Senior Research Officer and Russell Teede, Research and Development Officer, Landgate
- Discussion panel

1.40 - 3.10 *The potential of Outback carbon sequestration for Western Australia*

- The economic potential of carbon sequestration in WA's rangelands - Dr. Mark Alchin, Environment Practitioner
- The social and environmental dimensions of carbon farming - Harley Lacy, Principal Advisor, Outback Carbon
- The on-ground experience of carbon farming in other states - Sam Anderson, Project Officer, Carbon Link
- Discussion panel

3.10 - 3.25 *Afternoon tea*

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3.25 – 4.55 **Outback carbon: from on-ground management to marketing**

- How to manage your landscape for Carbon - Richard Glover, Director, Contour Environmental and Agricultural Consulting
- The potential for sequestration through land restoration - PJ Waddell, Landscape Ecologist, Department of Agriculture and Food
- The reality of a carbon farming business in WA – lessons learnt and insights for the future - Kent Broad, CEO, Carbon Neutral
- Discussion panel

4.55 - 5.15 **Conference conclusions and close**

- A roadmap for commercial carbon sequestration in Outback WA
- Conference close

5.15 - 6.30 **Join us for Sundowner drinks**

Speaker Biographies



Professor Lyn Beazley AO FTSE – Conference facilitator

After graduating from Oxford and Edinburgh Universities, Professor Lyn Beazley built an internationally renowned research team in Neuroscience. Lyn was Chief Scientist of Western Australia from 2006 to 2013 and was named the WA Australian of the Year for 2015. Currently Lyn is the Sir Walter Murdoch Professor of Science at Murdoch University.



Hon Terry Redman MLA, Minister for Regional Development; Lands; Minister Assisting the Minister for State Development.

Terry Redman first entered State Parliament in February 2005 and now represents the electorate of Warren-Blackwood, which includes the towns of Denmark, Manjimup, Margaret River and Donnybrook.

Since entering Parliament, Terry has built a solid reputation as a staunch defender of regional interests. Terry has held the portfolios of Agriculture and Food, Forestry, Corrective Services, Housing, Training and Workforce Development and Water. Terry currently holds the Regional Development; Lands and Minister Assisting the Minister for State Development portfolios.



David Hodgkinson is a partner at law firm HodgkinsonJohnston, an Associate Professor at the University of Western Australia, and executive director of the UNFCCC-accredited NGO EcoCarbon Inc (in which capacity he attended COP21 in Paris). His publications include the books “Global Climate Change: Australian Law and Policy” (LexisNexis) and the loose-leaf service “Australian Climate Change Law and Policy.”

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Peter Castellias is the CEO of the Carbon Market Institute, the peak Australia business association assisting companies in meeting the challenges and opportunities associated with the transition to a low-carbon economy. Throughout Peter's 25-year career, he has worked at the leading edge of the sustainable development agenda and has advised leading corporations, governments and financial institutions.



Scott Girdler, Special Counsel, Clayton Utz has worked in the agribusiness team at Clayton Utz since 2004 and has diverse experience across a range of agribusiness sectors. He works with clients in the pastoral, forestry (including carbon rights), grain, wine, fishing and dairy sectors and his practice areas include private M&A, property, service and processing contracts and project work.



Rhys Davies is a Senior Associate with global law firm DLA Piper. Rhys practices in the area of project development, focusing on energy, renewables, resources, infrastructure and property projects. Rhys' expertise in native title matters, for which he has been recognised by Chambers and Partners as an 'Associate to watch' in 2014-2015 and a 'Star Associate' in 2016, is a key component of his practice.



Peter Russell is a geologist and ecologist with nearly 40 years professional experience in a variety of environments. In 2007, he completed a major study (PhD) of the ecological health of the southern rangelands of Western Australia using data collected by the Western Australian Rangelands Monitoring System (WARMS) for the period 1990 to 2006. Since 2010, Peter has been keenly focussed on sequestered carbon in the WA rangelands.



Simon Abbott graduated from Muresk Institute of Agriculture and spent 10 years in the Esperance district contract land developing, share-farming and contract spraying. After working at the Department of Agriculture, he won a national Landcare award for his work using airborne geophysical data for creating salinity management focussed farm plans. He is now the manager of agricultural and natural resource management products at Landgate Satellite Remote Sensing Services.



Russell Teede completed his Honours thesis at James Cook University in the field of Satellite Oceanography, where he developed a passion for visualising environmental issues using remote sensing and GIS. He has continued delivering innovative solutions using satellite and aerial imagery, for marine and terrestrial applications across a diverse range of challenges, such as marine habitat mapping and developing imagery enhancement algorithms. Russell is currently a Research and Development Officer at Landgate, where he has worked for the past 10 years.



Mark Alchin is a leading expert in the science and economics of the emerging carbon offset credit industry in Australian pastoral land. He has over 12 years experience in driving continuous improvement in environmental management, business and government policy within the resources industry and agricultural sector. While at the Department of Agriculture and Food (WA), Mark pioneered baseline field accounting and economic evaluation of opportunities for carbon offset credits and found that commercialisation of carbon in Australian pastoral land could lead to the development of a multi-billion dollar industry.

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Harley Lacy has worked in Agriculture, Mining and Environment. Originally from Meekatharra and growing up in the rangelands, he trained as a pastoralist and became a partner in Polelle station. In 1990 he commenced study in environmental science and developed Outback Ecology an environmental consultancy. In 2006 he initiated work on arid land carbon sequestration, which further advanced the science and commercial potential to sequester carbon across the leasehold lands of WA.



Sam Anderson is the lead Project Officer at Carbon Link, a privately owned company born out of the need to enable graziers to earn income by improving their soil. Growing up on the land, she developed a strong passion for livestock and the grazing industry from an early age. She completed a Bachelor of Agriculture and for the past nine years has focussed her professional career on production and commercial developments within the agricultural industry.



Richard Glover is a Rangelands Botanist and Landscape Scientist with nine years experience in landscape management and the development of Environmental Management Plans in the Western Australian rangelands. Richard has managed regional NRM projects across two Australian states working both within Government and as a private consultant, and been involved in the development of over 60 previous Ecologically Sustainable Rangelands Management (ESRM) plans. He holds degrees in Agricultural Science majoring in Rangelands management, and Geographic Information Sciences (GIS).



Peter-Jon (PJ) Waddell has worked and travelled extensively throughout rangeland environments for the past 20 years. PJ joined the WA Department of Agriculture in 2000 as a Resource Management and Protection Officer in Kalgoorlie before being seconded to the Centre for the Management of Arid Environments, as a landscape ecologist, where he developed pastoral property plans and trialled rangeland rehabilitation treatments. He has continued developing his understanding of landscape ecology through managing the WA Department of Agriculture and Food's Rangeland Survey Project.



Kent Broad is a founding director of Carbon Neutral Pty Ltd, a privately owned company that specialises in revegetating degraded areas of the Western Australian wheatbelt with a biodiverse mix of endemic native species. Having grown up in the Mid West region as a farmer and pastoralist for over 35 years, Kent has a long term vision and passion to revitalise rural Australia by providing environmental, social, economic and heritage solutions. Kent is also a director of the Northern Agricultural Catchments Council (NACC), a non-profit organisation supporting people to support the natural environment.