

## Preliminary Program

The program will be updated progressively as topics and speakers are confirmed.

### Monday 17 July - Soil Carbon Summit

🕒 10 AM-5 PM

Proudly sponsored by Precision Pastures

The Australian opportunity for land-based delivery of soil sequestration through carbon markets is world-leading under the Emissions Reduction Fund. Soil carbon sequestration could deliver 35-90 million tonnes of CO<sub>2</sub> abatement per annum while improving agricultural productivity and increasing the resilience of landscapes, regions, and farming communities.

SOIL CARBON  
INDUSTRY GROUP



PRECISION  
PASTURES



🕒 10:00 am sharp

Summit introduction. Opening remarks from Milton Curkpatrick of Precision Pastures on the promise of soil carbon sequestration in carbon drawdown. Acknowledgement of country.

### Session 1: Soil carbon as a high integrity Australian Carbon Credit Unit (ACCU)

🕒 10:10 am

#### Where are the ACCUs? Here they come!

Matthew Warnken, CEO of AgriProve will give us an update on offsets reporting. This presentation will provide insights into the operation of Australia's 2021 Soil Carbon Methodology. It answers offset market concerns about volume, additionality and integrity. The 2021 Methodology is catalysing innovation in measurement and modelling giving feedback for farmer innovation. The government backed regulatory mechanisms are streamlining as first credits come through. Co-benefits are becoming clearer and attracting payments. Australian agriculture is set to scale material abatement to soil.



🕒 10:30 am

## Not all ACCUs are created equal

Charlie Hawkins, Business Development Manager of CarbonLink, will speak about bringing a critical focus to the forefront of the industry – soil carbon as a premium quality ACCU.



With extensive data, analysis, and a captivating case study, he offers insights into the management and practice changes necessary to create enough co-benefits to gain the “Premium” ACCU status.

🕒 10:50 am

We have invited the office of the National Soils Advocate, Department of the Prime Minister and Cabinet, to update the conference on the National Soil Action Plan.

🕒 11:10 am Q & A

We'll be using Sli-do for questions, so get familiar if you haven't used it yet: [www.slido.com](http://www.slido.com)

🕒 11:20 am Morning tea (30 minutes)

## Session 2: Reducing the cost of implementation – innovation in measurement and modelling

🕒 11:50 am

### Transforming the measurement of soil carbon change using eddy flux and soil carbon models

David Rowlings, Associate Professor, QUT, and Ben Sawley of Agrimix will present a toolkit that is being developed that will be able to quantify changes in soil carbon in real time.



🕒 12:10 pm

### Increasing confidence in measurement, reducing costs

Oli Madgett, Head of Special Projects at FarmLab, will showcase the exciting developments in measurement and modelling tech and how these underpin the 2021 SoilC hybrid (measure:model) method as an innovation ecosystem.



🕒 12:30 pm

### New hardware for in-paddock sampling

Simon Wheeler, Co-Founder and Head of Product at Hone Carbon will speak about the low-cost soil organic carbon measurement tool which was one of the successful applicants for the National Soil Carbon Innovation Challenge.



🕒 12:50 pm Q & A

---

🕒 1:00 pm Lunch (1 hour)

---

## Session 3: How to build soil carbon from a science and practical view

---

🕒 2:00 pm

### 6 steps to an ERF project – the basics

Louisa Kiely, Director, Carbon Farmers of Australia will walk us through the steps to a soil carbon project. From application, measuring baseline soil carbon, initiating the new activity, remeasuring, passing audit, thence claiming credits on increase and keeping or selling them.



🕒 2:20 pm

### Aligning your soil carbon eligible activities with your production objectives

Hamish Webb, Executive Director and Interim CEO of Precision Pastures, will explore how with more land than most other countries and older (lower carbon) soils with which to increase carbon stocks, Australian farmers are well placed for our next boom – soil carbon farming. If farmers get this alignment of production and carbon objectives correct, it can maximise production and generate Australian Carbon Credit Units (ACCUs) at the same time.



🕒 2:40 pm

### Carbon increase and cropping – can it be done?

We'll hear from Loam Bio about how microbial soil sequestration promises to be one of the most elegant carbon removal solutions, as it is fast and globally scalable. It provides huge benefits for growers, such as increased soil health, nutrient-rich crops, and higher yields, which boost the bottom line for growers and provide a path for generating high-quality carbon offsets.



🕒 3:00 pm

### Farmer perspective

This farmer will talk about their experiences working with a soil carbon project and what they have learned.

🕒 3:20 pm Q & A

---

🕒 3:30 pm Tea break (20 minutes)

---

## Session 4: Looking to the future – encouraging greater uptake

---

🕒 3:50 pm

### Visually assessing carbon improvements in the paddock

Philip Mulvey, Chief Executive Officer at Carbon Count, will speak about the Visual Soil Carbon Assessment Test Suite – farmer assessment of carbon improvement in the paddock. This solution answers the question “How do I know if I’m increasing soil carbon year on year?”



🕒 4:10 pm

### How to grow soil carbon with microbes and soil biology

We have invited a speaker from CSIRO to explore the factors that drive microbial diversity and assist in increasing soil carbon.

---

🕒 4:30 pm

### Farmer perspective – more soil carbon experience from the field

Speaker TBA

---

🕒 4:50 pm

### Importance of soil health to the future of agriculture in the new carbon economy

Speaker TBA

---

🕒 5:10 pm Q & A

---

🕒 5:20 pm Wrap up

---

🕒 5:30 pm

## Welcome event

Mingle with conference speakers, sponsors, exhibitors, and delegates. Enjoy delicious nibbles and wine whilst catching up with old friends and making new ones.



# Tuesday 18 July - Day 2

## The evolution of carbon farming for carbon trade

Prepare to be inspired by the evolution of how farmers are being rewarded now and in the future in the carbon and biodiversity markets. Expert speakers and new methods.

🕒 7:30 am–9:00 am

Expo and registration opens at 7:30 am. Network with speakers, exhibitors, sponsors, and other delegates. **Great coffee carts sponsored by FarmLab and Agreventures**, settle in. Ask exhibitors what they can do for your bottom line.



🕒 9:00 am sharp

Introductions to Session Moderators including Louisa Kiely (Director, Carbon Farmers of Australia), Lorraine Gordon (Southern Cross University), and Matthew Warnken (Managing Director, AgriProve). Welcome to Country.

## Session 1: Designing profitable agriculture in the new carbon economy

🕒 9:10 am

### The Global Agriculture Leadership Initiative

As the first Special Representative for Australian agriculture, Su McCluskey works to promote the sector through the Australian Government's Global Agriculture Leadership Initiative.



With a unique voice across government and industry, Su is connecting with many of our agricultural trading partners, where Australia is fast gaining a seat at many sustainability, climate and market access fora, in order to share insights into the challenges and opportunities for agriculture trade, including the growing demand from trading partners for sustainability credentials.

By extending our message through this unique position, key trading partners are able to understand Australia's response to sustainability and the changing climate, opening opportunities for Australian agriculture.

Following a busy 12 months engaging across the globe on food security and sustainability, Su will share the latest on Sustainability Frameworks – is Australia taking a leading role and how will that benefit farmers?



🕒 9:30 am

## Carbon markets supply and demand

Raphael Wood is the Principal of Sustainability and Climate Change at Aurecon (MAG). He'll take a dive into the carbon markets, the various market drivers, pricing, the current scale of demand, and emerging demands.



🕒 9:50 am

## What about greenwashing?

Lorraine Gordon is Director of Strategic Projects, Farming Together and the Regenerative Agriculture Alliance, at Southern Cross University. She will talk about identifying greenwashing in the carbon offset space and ensuring at the landscape level that rigour and authenticity is upheld to avoid future scrutiny. Lorraine will also explore quality regenerative verification and certification programs supporting carbon sequestration.



🕒 10:10 am

## ESG – what do you need to know about it?

ESG stands for Environmental, Social, and Governance information and reporting and it is evolving globally to capture non-financial data and activities for organisations. This speaker will explain the role of ESG and its place in natural capital and science-based reporting for agriculture industries. Initiatives such as CN30 for the beef industry are accelerating emissions data, and nature-based disclosure reporting. Are you ready for ESG?

🕒 10:30 am Q & A

🕒 10:40 am Morning tea (30 minutes)

## Session 2: Options for landholders – knowledge for decision making

🕒 11:10 am

## The process of going carbon neutral

Climate Active is an ongoing partnership between the Australian Government and Australian businesses to drive voluntary climate action. Climate Active certification is awarded to businesses and organisations that have credibly reached a state of achieving net-zero emissions, otherwise known as carbon neutrality. A representative from Climate Active will explain the process.

🕒 11:30 am

## Carbon neutral vs selling carbon credits

To go Carbon Neutral is a cost. A carbon credit represents an income stream. Louisa Kiely, Director of Carbon Farmers of Australia will explore the benefits of each, the discussion about potential mandatory carbon neutrality or an international carbon tariff, and how to turn the situation around to favour farmers.



🕒 11:50 am

## Department of Primary Industries

Cathy Waters from the DPI will showcase the work being done to simplify involvement in the ERF for Farmers including:

- outlining the On-farm Carbon Advice & Planning Service and its ability to cut through a confusing space
- providing pathways and information to support farmers in making decisions around managing carbon as an asset or selling that asset
- priming the agricultural sector for new opportunities and maintaining social licence and market share
- some of the insights from the range of NSW engagement events and gaps in farmer knowledge, future priorities



🕒 12:10 pm

TBC

🕒 12:30 pm Q & A

🕒 12:40 pm Lunch (1 hour 20 minutes)

## Session 3: Keeping red meat profitable in the new carbon economy

🕒 2:00 pm

### Future food security depends on the profitable sustainability of agriculture

Erica Halliday, President of the Angus Society, is a fourth-generation cattle producer from Walcha, NSW. For Erica and her husband, the journey to re-building their soil and regenerating their property began in the last drought, when they saw their normal system collapse. Since changing management they have seen many improvements and are focused on building soil.

Now Erica says, "Reducing carbon emissions and sequestering soil carbon is really important to us and we are so excited to know that beef and grazing beef can be part of the solution to climate change." As an innovator in her own right, how will Erica use her position to assist farmers to do this important job?



🕒 2:20 pm

## Breeding the animal to suit the climate and markets

Believing that survivability also requires innovation, Graham Gilmore has been at the forefront of breeding meat sheep and producing cattle for many years.



Tattykeel is the birthplace of the Australian White breed which was developed to be a self-replacing, haired, meat sheep that required minimal maintenance. He is currently involved in research which is finding the DNA markers for eating quality. He has data on how different the GM can be on 600 acres between 3 breeds.

🕒 2:40 pm

## Supporting farmers on their decarbonisation journey

Lachlan Graham is Co-CEO, Argyle Foods Group, an integrated Australian agricultural company specialising in carbon, regenerative agriculture and premium value added beef and lamb. Argyle Carbon is developing a number of ERF projects on their properties including beef herd improvement and soil carbon. They are keen to assist other landholders to learn from their experiences.



🕒 3:00 pm

TBC

🕒 3:20 pm Q & A

🕒 3:30 pm Tea break (20 minutes)

## Session 4: The road ahead

🕒 3:50 pm

## Clean Energy Regulator FAQ: exploring the most common proponent questions

Luke Signor, A/g Manager – Savanna, Agriculture and Soil Carbon Credits team will speak on this topic. The Clean Energy Regulator is responsible for key administrative tasks under the ACCUs Scheme including registering projects, running auctions, managing carbon abatement contracts, and issuing Australian carbon credit units on achievement of emissions reductions. What are the most asked questions of the CER?





🕒 4:10 pm

## Premium potential – with the international carbon market

Hamish Macdonald, Managing Director at Carbon Asset Solutions will explain the CAS Program which operates under global ISO standards. This means that the carbon credits can potentially be sold to global markets.



CAS is active in Canada and the USA and will commence operations in Australia soon. Other countries are also looking to secure the CAS technology for their carbon farming operations. CAS has a global focus but is an Australian company, excited to bring long overdue benefits to Australian farmers.

🕒 4:30 pm

## Integrity in the market

High-value markets rely on rigorous verification and certification. These processes ensure that growers are paid appropriately for their efforts and that companies avoid accusations of greenwashing. In order for the ecosystem markets to be effective, they must have scientific integrity.

With new independent Monitoring, Reporting, and Verification (MRV) systems like Regrow's MRV, the process of data collection is digitized, scalable and seamless. Organizations looking to promote, generate, sell or buy ecosystem credits should pay careful attention to the parties involved in verification and certification.

🕒 4:50 pm

A representative from the Carbon Market Institute (CMI) will explain how the Code of Conduct can give farmers confidence in any carbon project partner with whom they may engage. Also, the implications of the government Safeguard Mechanism for demand for ACCUs.

🕒 5:10 pm Q & A

🕒 5:20 pm Wrap up

🕒 5:30 pm

## Happy Hour

Networking opportunity with delegates, speakers and exhibitors. Enjoy a cheeky beverage before 'frocking up' for dinner!



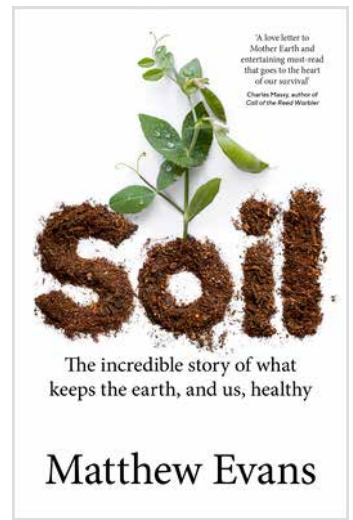
🕒 7:30 pm-late

Southern Cross University proudly presents the

# Nature-Based Solutions Conference Gala Dinner



THE social event of the Conference and Expo ... great food and company!  
Featuring our fantastic guest speaker, Matthew Evans.



Matthew Evans is a former chef and food critic turned Tasmanian smallholder. He fattens pigs, milks a cow, tends a garden, and writes about food from his office on Fat Pig Farm. He's the author of over a dozen books on food, including *SOIL: the incredible story of what keeps the Earth, and us, healthy*.

Matthew is big on sustainability, and that all begins with the treatment of soil.



# Wednesday 19 July – Day 3

## Nature-based solutions – more than just carbon farming

Australia has a \$3 billion carbon farming industry, but we are only scratching the surface of what the land sector can do in the new biodiversity and carbon markets.

On this day, we talk TRADING. But not just the ERF, and not even just CO2e. There are many opportunities opening up for groups and others who have a system for Measure/Monitor/Verification (MMV). Different methods. Enteric methane reduction, on-farm renewables, and more.

### 7:30 am–9 am

Expo and registration opens at 7:30 am. Network with speakers, exhibitors, sponsors, and other delegates. **Great coffee carts sponsored by FarmLab and Agreventures**, settle in. Ask exhibitors what they can do for your bottom line.



### 9:00 am sharp

Welcome

## Session 1: Enteric methane – problem or opportunity?

### 9:10 am

New opportunities for cattle managers and dairy farmers to generate carbon credits from reducing livestock emissions



Shanti Mors of South Pole will discuss alternatives and complements to the ERF Beef Cattle Herd method, which is already firmly established. These alternatives include reducing livestock emissions through livestock feed additives, such as essential oils or seaweed. In addition, South Pole will discuss the potential to register such projects under international voluntary carbon standards and how credits from these projects can be sold to domestic or overseas buyers.

🕒 9:30 am

## Predicting methane emissions in the paddock

Greg Campbell, General Manager, Projects & Systems at Ceres Tag will explain the potential of the innovation in ear tags for predicting methane emissions in cattle. The ability to monitor pasture feed intake and other vital livestock data via a satellite enabled unlimited range smart ear tag is now available in market after 15 years of CSIRO research and development. The need to automate predictive daily methane while grazing in paddocks in near real time is fast becoming a requirement for farmers.



🕒 9:50 am

## Lower emissions cattle herds

Jonathan Wright, Property Manager at Coota Park Blue-E will highlight the value feed efficiency can have on profitability. Blue-E have determined they can improve feed efficiency by 15-20%, which flows through to a significant reduction in costs of production as well as methane emissions per kilogram of product.



🕒 10:10 am

## Research results on promising feed additives

Stuart Larsson, Managing Director at SOFT Agriculture will present research results on promising feed additives.



🕒 10:30 am Q & A

🕒 10:40 am Morning tea (30 minutes)

## Session 2: Here comes the nature repair/biodiversity market - are you ready?

🕒 11:10 am

### The Nature Repair Bill explained

There is a lot of noise about the new nature repair market to reward landholders for restoring and protecting nature. Jay Hender will explain the known features of this emerging market.



The Nature Repair Market Bill is before Parliament - but how may it work in practice?

What are the rules? Who can use it? Will it be complementary to the carbon market? Will there be a separate biodiversity offsets market? How could land managers financially benefit?

🕒 11:30 am

## Ecological Outcome Verification

Rebecca Gorman will explore this topic. So much of the climate conversation is about 'emissions reduction' or 'carbon sequestration'. However the great reparation opportunity for landholders is how to repair the small water cycle, how to repair the local mineral cycle and how to rebuild biodiversity - even within a production system. But how can you know if you are getting this right? The Australian Holistic Management Coop's Ecological Outcome Verification is measuring this local land management influence. With now nearly 400,000 hectares of Australian farmland being monitored - what ecological health indicators are improving? How are managers getting it right and how are they getting rewarded?



🕒 11:50 am

## The Accounting for Nature® Framework

Dr Rachael Marshall, General Manager / APAC Regional Director, Accounting for Nature, will explain this transparent, affordable, verifiable and certifiable environmental accounting framework to inform better investment, policy and management decisions in natural capital. Including carbon co-benefits, green bonds, environmental offsets and impact investments.



The Accounting for Nature® Framework is free to be used by any organisation or individual to measure the biophysical condition of environmental assets (e.g. native vegetation, soils, freshwater, native fauna, marine) in a project area, across an entire property, or within a region.

How might this work within the new nature repair/ biodiversity markets?

🕒 12:10 pm

TBC

🕒 12:30 pm Q & A

🕒 12:40 pm Lunch (1 hour 20 minutes)

## Session 3: Methodology updates

🕒 2:00 pm

### Environmental planting

Designed to make it easier for landholders to directly participate in the Emissions Reduction Fund and earn Australian Carbon Credit Units by planting trees on their land, environmental plantings projects store carbon in native trees or mallee species to establish forest cover. The type of trees you plant and your planting arrangements will affect how much carbon is stored. We've invited a representative from the CER to explore this topic.



🕒 2:20 pm

## Plantation timber

Wendy Perdon from South West Timber Hub will explain how there may be more opportunities for farm forestry or plantation projects. How can farmers integrate commercial trees into their farms allowing them to participate in carbon mitigation strategies while having commercial activities on their land?



🕒 2:40 pm

## Integrated Farm Method

Konrad Muller from the Department of Climate Change, Energy, Environment and Water (DCCEEW) will explore the Integrated Farm Method (now under development), this more integrated approach to a carbon farming method. There is much interest in its potential. Will this multiply farmers' opportunities to take part in the carbon farming market?

🕒 3:00 pm

## The Biochar 2030 roadmap – what does the future hold?

Don Coyne, CEO of ANZBIG, will outline the Biochar 2030 roadmap. The ANZ Biochar Industry Group (ANZBIG) assists companies, governments and institutions in the effective use and production of Biochar. ANZBIG focuses and streamlines biochar education, research, collaboration and commercialisation activities to provide better outcomes for the societies of Australia and New Zealand.



🕒 3:20 pm Q & A

🕒 3:30 pm Tea break (20 minutes)

## Session 4: Market compliance requirements

🕒 3:50 pm

## Contracting for carbon projects – a legal perspective

Elisa de Wit, Partner, Norton Rose Fulbright Australia, will cover different contracting models, standard contract requirements, and risk allocation type issues, as farmers weigh up offerings from project developers. Elisa has experience working with the CMI on preparing template contract clauses.



🕒 4:10 pm

## Carbon farming and accounting

Andrew Jones, Partner, Tax, BDO Australia, will bring the conference up to date on the all-important accountancy matters. He will let us know how carbon income is accounted for in your balance sheet, profit and loss, and for taxation purposes – both now and in the future (with consideration of proposed legislation changes). He will also explain the tax implications of using ACCUs to inset on-farm carbon emissions.



🕒 4:30 pm

## Renewables on farm

Karin Stark, Director of Farm Renewables Consulting, knows that energy is one of the agriculture sector's fastest-growing costs. She will discuss how we can help farmers significantly reduce their costs and emissions, and build resilience by facilitating the adoption of on-farm renewables.



🕒 4:50 pm Q & A

🕒 5:00 pm Wrap up