

Tasmanian Soil Carbon Opportunities

Outline of webinar:

- soil carbon 101 *Matthew Warnken (15 min)*
- farmer perspective *Sam and Steph Trethewey (10 min)*
- next steps *Matthew Warnken (5 min)*
- general Q&A (25 min – feel free to submit a question or comment using the ‘question’ or ‘chat’ button at anytime – we will get to these in the Q&A session)
- final wrap (5 min)



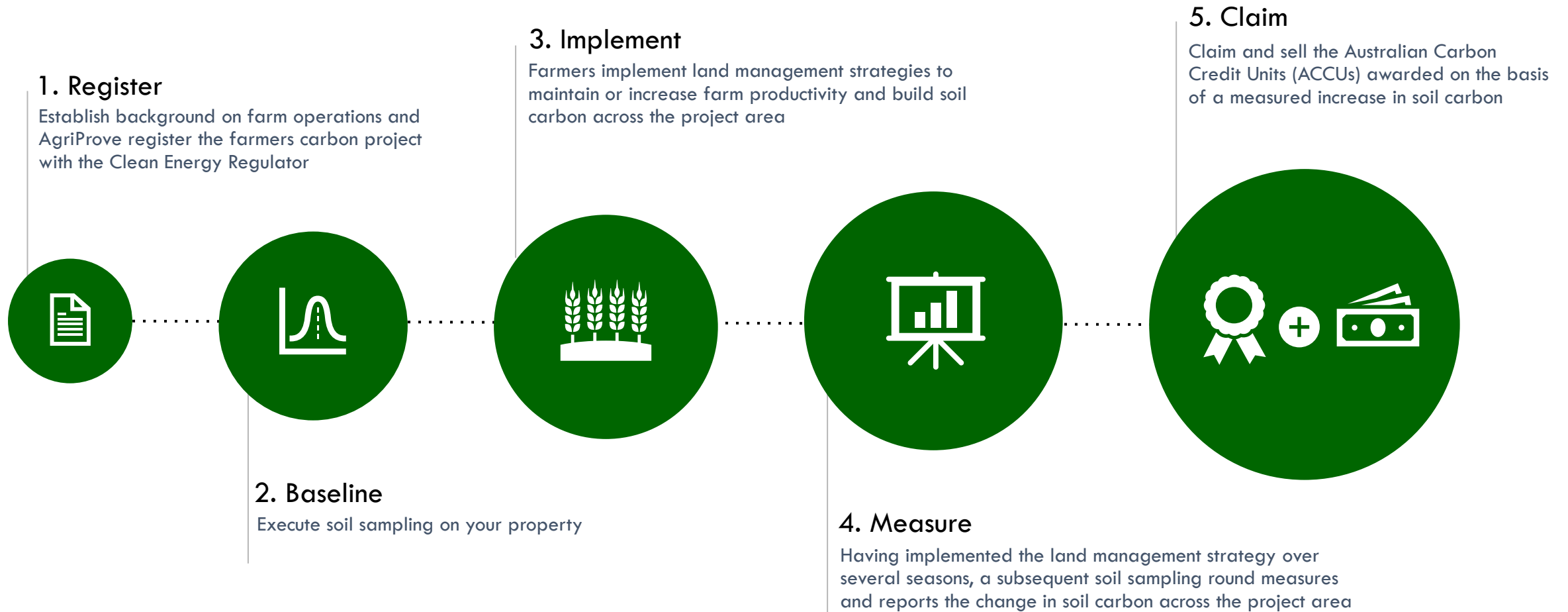


Why soil carbon?

Soil carbon is the score card for the health of your soil. Potential to deliver:

- improved productivity eg. 2x dry matter yields
- improved plant nutrient availability through increased soil biological activity
- better rainfall infiltration and moisture retention
- additional revenue eg. \$50-\$100/ha/yr
- access to carbon neutral markets
- ‘proof point’ for the underlying farming system.

5 steps to a soil carbon project





Input cost



Grazing



New Practices



Micro-organisms
Soil biota



Soil Carbon



N₂O



CH₄



MRV

CO₂ Revenue

Consent to Register

Begin by providing us with some basic contact information at the top of the first page. This will become the basis for our ongoing communication with you throughout the project. We may need to contact you on occasion via phone or email to confirm certain aspects of your carbon project, so please ensure the details provided are correct.

The following text indicates that you as the landholder agree to and understand the broad requirements of running a carbon project and provides AgriProve with the consent to act on your behalf with regard to your carbon project. This assignment of consent is a requirement of the registration process under the Emissions Reduction Fund (ERF). Please note however that signing this document does not lock you into an irreversible course of action. It simply signifies your agreement to pursue the development of a soil carbon project with AgriProve. You are free to discontinue your involvement at any point and we provide guidance on how to effect at different points in the project lifecycle.

CONSENT TO REGISTER AND UNDERTAKE CARBON EMISSIONS REDUCTION PROJECT

<i>Name of farm</i>	<i>Email address</i>
_____	_____
<i>Farm Address</i>	

<i>Phone number</i>	<i>Landowner name</i>
_____	_____

Dear Sir/Madam,

As the owner of the farm identified above, this letter is to confirm our intention to work with AgriProve on carbon emissions reduction projects (either emissions avoidance or enhanced sequestration) on the farm with the goal of accessing the Emissions Reduction Fund (ERF).

As demonstration of this intent, the landholders hereby give consent to AgriProve Solutions Pty Ltd to undertake emissions reduction projects on the farm identified above for the crediting period of the project (25 years). This consent is exclusive for a period of 18 months from signing, and we confirm that no other party will be given the right to undertake an ERF project on our farm during this time. The continuation of this consent is conditional on a further decision to implement the projects, which will only be made once the final design of the projects have been established and commercial terms agreed.

We understand that if the project does proceed and creates Australian Carbon Credit Units (ACCU) AgriProve Solutions will receive a share of the revenue from the sale of ACCUs to the Government as fee for services provided.

We understand that implementing a soil carbon project is an active commitment to improving soil health and building soil organic carbon. It requires new farm management activities to improve soil health and build soil organic carbon, as well as avoiding banned activities, such as bare fallow or application of 'off-farm' crop residue, hay, or straw, biochar, or soil amendments containing coal. These new activities will be documented in a Land Management Strategy for the farm.

We understand that soil carbon projects have land use eligibility criteria, and only those farm areas meeting these criteria can be included in the project. The attached information sheets provide information about past and potential new management activities of the farm that can be used to test these eligibility criteria.

Furthermore, we accept that our assistance with ongoing data gathering and administrative processes will be required to ensure compliance with project eligibility and reporting requirements of the Emissions Reduction Fund. Delays or errors in the provision of information could cause a reduction in the amount of carbon credits issued to the project, or to the cancellation of the project registration.

Yours sincerely,

(Signature)

(Signature)

(Name- Landowner 1)

(Name - Landowner 2)

(Address)

(Address)

Date: _____

Date: _____

Use the email and phone number that best suits you for regular correspondence as they will form the basis of our communication with you throughout the project.

To complete the registration process we need the signatures of the owner/ owners of the property indicated by the land titles on the following page.

Note: If the property is owned by a company we need the signatures of two directors or a director and a secretary of the company.

For your new project please consider and confirm

Are all project area included? Yes/No

Are any areas included where the new activity will not be carried out? Yes / No

Are all obstacles such as buildings, dams, large trees, roads, steep slopes or other features that would prevent the new activity or soil sampling, excluded from the project areas? Yes / No

Are all sample points accessible by a vehicle? Yes / No

Soil sampling will be attempted to >1m. Are there any obstacles such as rocks or assets such as power, phone, gas, water or irrigation lines, which may affect sampling? Yes / No



- Sample Points
- Sample Points
 - Reserves points
- strata
- CEA1-S1
 - CEA1-S2
 - CEA1-S3
 - CEA2-S1
 - CEA2-S2
 - CEA2-S3
 - Project Boundary
 - Digital Cadastre





Forage

Mixed forage species oversown into pasture. For example:

- Peas, Sunflowers, Buckwheat, Benatas Vetch, Oats, Tillage radish, Leafy Turnip, Italian Rye Grass, Crimson Clover, Hamua Clover, Lusa Clover, Millet, Corn/maize, Phacelia and Linseed.

Aim is to increase quantity and quality of feed, and increase organic matter in soil. (Also other options!)



Subsequent rounds

Soil carbon credits are only issued on a measured increase in soil carbon:


- next round testing 2-5 years after baseline
- cost a factor – farmer pays for soil testing:
 - \$5,000 for 200 hectares
- credits calculated on change in soil organic carbon since last sampling round:
 - measured on trendline (linear regression)
 - variance a factor.



AUSTRALIAN CARBON CREDIT UNIT

Soil carbon credit unit no#1

credited under the Emissions Reduction Fund to
Matthew Warnken, Director of Corporate Carbon
for the Grounds Keeping Carbon project.


David Parker
Chair, Clean Energy Regulator

Claim soil carbon credits

Project offsets report and application for credits:

- change in soil organic carbon stock levels
- less increased emissions (from baseline) and less permanence discount (25 years – not 100)
- works as a ratchet – no handing back (no issuance until over previous high level mark)
- 1% point increase in top 30cm = 125 ACCUs
- good performing projects can expect \$50 - \$100 per hectare revenue each year
- first application is always audited.

First ERF soil carbon project in Tasmania



ERF Registry Entry:

[http://www.cleanenergyregulator.gov.au/ERF/Pages/Emissions%20Reduction%20Fund%20project%20and%20contract%20registers/Project%20register/ERF-Project-Detailed-View.aspx?ListId=\(7F242924-BF02-45EE-A289-1ABCC954F9CF1\)&ItemID=1000](http://www.cleanenergyregulator.gov.au/ERF/Pages/Emissions%20Reduction%20Fund%20project%20and%20contract%20registers/Project%20register/ERF-Project-Detailed-View.aspx?ListId=(7F242924-BF02-45EE-A289-1ABCC954F9CF1)&ItemID=1000)

O'Connor Carbon Project
Tasmanian Agricultural Company
ERF143491



Partnering with AgriProve

- working with over 120 farmers
- streamlined ‘no regrets’ approach to registration
- success fee – no credits no fees
- baselining only cost (we cover all audit costs)
 - \$2,000 credit for first 50 Tasmanian projects
- options on sale of carbon credits
- developing specific forage seed mixes for planting in spring
- Soilkee for demonstration and trial hire.



Some more firsts....

Also as part of the launch of our
Tasmanian hub:

- AgriProve's first field officer
Theresa Chapman
0413 039 733
theresa.chapman@agriprove.io
- AgriProve's first ute
- AgriProve's first customised soil
sampling rig

Look forward to meeting in person in
September/October.







**Thank you
for more information contact**

Matthew Warnken

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