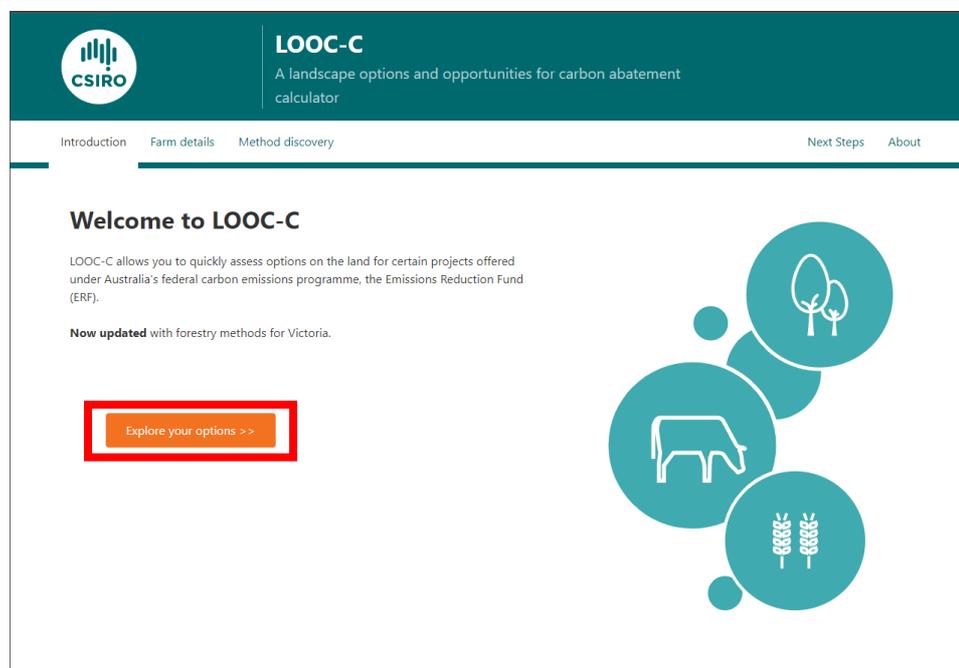


BushBank public land native vegetation restoration grants

How to prepare a carbon report using LOOC-C

To prepare a report using CSIRO's LOOC_C carbon abatement calculator that shows the estimated tonnes of carbon dioxide equivalent sequestered per hectare per year (tCO₂-e per ha/year) for your project, follow the instructions below.

1. Open LOOC-C at <https://looc-c.farm/> and select "Explore your options".



LOOC-C
A landscape options and opportunities for carbon abatement calculator

Introduction Farm details Method discovery Next Steps About

Welcome to LOOC-C

LOOC-C allows you to quickly assess options on the land for certain projects offered under Australia's federal carbon emissions programme, the Emissions Reduction Fund (ERF).

Now updated with forestry methods for Victoria.

[Explore your options >>](#)

2. Navigate to the location of your project.



LOOC-C

A landscape options and opportunities for carbon abatement calculator

[Introduction](#) [Farm details](#) [Method discovery](#)

[Next Steps](#) [About](#)

Project Location

Select an area where land management activities (such as growing crops, managing re-vegetation or raising livestock) will be uniform over a 25 year duration.

To select the area on the map below, zoom to your region of interest, then click on the polygon tool. The area you wish to evaluate can be selected by progressively clicking around the outside boundaries of the area. Close off the area by double clicking or clicking on top of the starting point.



3. Use the 'area tool' to draw a polygon around the area to be restored – only include the land that will be actively restored, not the whole block of land.
4. Take a snip screen grab or screen print (including the scale and extent) of your site map and paste it in a Word document.



LOOC-C

A landscape options and opportunities for carbon abatement calculator

[Introduction](#) [Farm details](#) [Method discovery](#)

[Next Steps](#) [About](#)

Project Location

Select an area where land management activities (such as growing crops, managing re-vegetation or raising livestock) will be uniform over a 25 year duration.

To select the area on the map below, zoom to your region of interest, then click on the polygon tool. The area you wish to evaluate can be selected by progressively clicking around the outside boundaries of the area. Close off the area by double clicking or clicking on top of the starting point.



5. Complete the check boxes describing the land to be restored and hit next. Area that will not be restored (e.g., forested areas, wetlands and roads) must be excluded later if necessary.



Areas to exclude (Optional)

Does the proposed area include any of the following areas? Select all that apply.

- | | |
|--|--|
| <input checked="" type="checkbox"/> Forest | <input type="checkbox"/> Native forest that has been cleared in the past 5 years |
| <input type="checkbox"/> Wetlands | <input type="checkbox"/> Wetlands that have been drained in the past 5 years |
| <input type="checkbox"/> Roads | <input type="checkbox"/> Settlements |
| <input type="checkbox"/> Other (e.g. land otherwise unable to support plant cover) | |

What percentage of the total land area selected do the excluded areas occupy?

Prior production systems

What was the main production system on the proposed area for the last 5 years?

- | | |
|---------------------------------------|---|
| <input checked="" type="radio"/> Crop | <input type="radio"/> Cotton |
| <input type="radio"/> Vegetables | <input type="radio"/> Pasture |
| <input type="radio"/> Sugar Cane | <input type="radio"/> Horticulture |
| <input type="radio"/> Native Forest | <input type="radio"/> Plantation Forest |

Stubble retention

Has at least 30% of the stubble been removed in 4 of the past 5 years?

- Yes No

Stubble retention

Has at least 30% of the stubble been removed in 4 of the past 5 years?

- Yes No

Prior use of synthetic fertiliser

Has synthetic nitrogen fertiliser been applied to the area during the past 5 years?

- Yes No

Prior use of lime

Has lime been applied to the area during the past 5 years?

- Yes No

Prior use of irrigation

Has irrigation been applied to the area during the past 5 years?

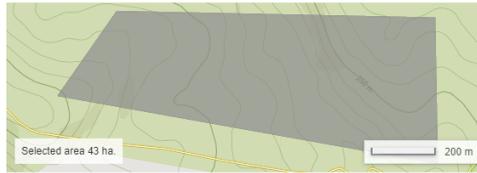
- Yes No

- The Method Discovery page will show the available carbon methods. Select 'Reforestation by environmental or mallee plantings'. This method involves establishing and maintaining native vegetation on land clear of forest cover.

e/ha/y. The coloured boxes indicate possible co benefits that are associated with the carbon farming project. You can select the card for more information about the projects and their associated benefits. If you want a copy of this information, select 'save as PDF' to save or print the page.

Farm details

- Prior production systems: Crop
- Stubble retention? Yes
- Prior use of irrigation? Yes
- Prior use of synthetic fertiliser? Yes
- Prior use of lime? Yes



Available methods

Establishing a new plantation forest

Plantation Forestry method

Benefit type	Rating
Farm co-benefits	<div style="display: flex; justify-content: space-around;"> <div style="width: 10px; height: 10px; background-color: #00728f;"></div> <div style="width: 10px; height: 10px; background-color: #00728f;"></div> <div style="width: 10px; height: 10px; background-color: #00728f;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> </div>

Please provide more details to get an estimate and method viability evaluation

Estimate >>

Estimating sequestration of carbon in soil using default values method

Agricultural method

Benefit type	Rating
Farm co-benefits	<div style="display: flex; justify-content: space-around;"> <div style="width: 10px; height: 10px; background-color: #00728f;"></div> <div style="width: 10px; height: 10px; background-color: #00728f;"></div> <div style="width: 10px; height: 10px; background-color: #00728f;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> </div>

Multiple activities are possible within this method, each with different estimates

View Estimates >>

Reforestation by environmental or mallee plantings

Vegetation method

Benefit type	Rating
Farm co-benefits	<div style="display: flex; justify-content: space-around;"> <div style="width: 10px; height: 10px; background-color: #00728f;"></div> <div style="width: 10px; height: 10px; background-color: #00728f;"></div> <div style="width: 10px; height: 10px; background-color: #00728f;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> </div>

25 year estimate over the whole project area (tCO₂-e): **20,753**

Annual per ha estimate (tCO₂-e/ha/y): **19.1**

7. Take a snip screen grab or screen print of the Vegetation Method screen and paste it in the same Word document.

Vegetation method

Close

Reforestation by environmental or mallee plantings

Method Details Farm Co-benefits

Australian Carbon Credit Units: 20,753 tCO₂-e over 25 years
(19.1 tCO₂-e per ha/year)
Note due to changes in the rate of tree growth over time, total ACCUs after 10 years are approximately 50% of the 25 year total.

Area modelled: 43 ha
Estimate Date: 4/9/2023

Project Overview

This method removes carbon dioxide from the atmosphere and stores it as carbon in plants as they grow.

Project Requirements

The **reforestation by environmental or mallee plantings** action involves establishing and maintaining native vegetation such as trees or shrubs on land that has been clear of forest for at least five years. Plantings can either be a mix of trees, shrubs and understory species native to the local area, or species of mallee eucalypts.

Projects are required to meet a 'permanence obligation' meaning that the carbon stored in plants will last at least 25 years. For more information see [Emissions Reduction Fund: Reforestation by Environmental or Mallee Plantings](#).

Close
Save as PDF

8. Save this Word document as a PDF and submit it as part of your application, an example of what this should look like is provided below.

LOOC-C carbon abatement estimate report: Project Name



Vegetation method

Reforestation by environmental or mallee plantings

Method Details: Farm Co-benefits

Australian Carbon Credit Units: 1,725 tCO₂-e over 25 years
(3.6 tCO₂-e per ha/year)
Note due to changes in the rate of tree growth over time, total ACCUs after 10 years are approximately 50% of the 25 year total.

Area modelled: 19 ha
Estimate Date: 5/9/2023

Project Overview
This method removes carbon dioxide from the atmosphere and stores it as carbon in plants as they grow.

Project Requirements
The **reforestation by environmental or mallee plantings** action involves establishing and maintaining native vegetation such as trees or shrubs on land that has been clear of forest for at least five years. Plantings can either be a mix of trees, shrub and understorey species native to the local area, or species of mallee eucalypts.
Projects are required to meet a 'permanence obligation' meaning that the carbon stored in plants will last at least 25 years. For more information see [Emissions Reduction Fund: Reforestation by Environmental or Mallee Plantings](#)

Close

Save as PDF

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