



Environmental Accounting Services

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Adapting to Climate Change: Greenhouse Gas Accounting & Carbon Abatement projects for Agricultural Land Managers

EAS_01 Course Information

This document provides information on a course and workshop developed to assist land managers in Agriculture to understand and adapt to the impacts of climate change.

Training Course aims:

To assist landholders in assessing risks and opportunities to their businesses from climate change and carbon trading through the provision of information that is targeted to their industry.

The course is targeted to each specific agriculture sector (i.e. dairy, cropping, beef and sheep, rice, sugar cane, wineries).

Training Course structure:

The one and one half -day course has the following structure.

DAY 1 of the course involves four sessions of accessible information concerning the science behind land-based greenhouse gas emissions and abatement, greenhouse gas accounting and practical strategies to adapt to new opportunities presently being offered. These opportunities have the potential to provide a long term income stream for farmers in all types of agriculture. The maximum number of participants in this day will be 20.

DAY 2 involves one session using a workshop structure designed for land managers who have already completed the first day of the course. The workshop provides guidance to these land managers on how to conduct a farm based GHG inventory and develop feasibility assessments for implementing sustainable land management practices and carbon abatement projects. The maximum number of participants in these two sessions will be 10.

The cost of this one and half day course is \$990 (inclusive GST).

Trainer(s):

The trainers are Dr Kaye Spark and Dr Carly Green, principal consultants of the course provider, Environmental Accounting Services Pty Ltd. They are both highly qualified in the area of greenhouse gas accounting and carbon abatement projects and have had extensive experience in delivering seminars and conducting workshops.

Course certification:

Attendees to the course who satisfactorily complete the short questionnaire at the completion of each day will be issued with a personalised Certificate of Attendance indicating the major key learning outcomes contained within the course.

Key Learning Outcomes:

The one day course provides accessible information concerning the science and the practicalities behind land-based greenhouse gas emissions and abatement, greenhouse gas accounting and strategies to adapt to new opportunities. On completion of the course participants will have an understanding of:

- the science, policy and components of greenhouse accounting in the agriculture sector,
- the elements of their businesses that are covered by the National Agriculture greenhouse gas methodology;
- where to find calculators to estimate their emissions: and
- an overview of the potential mitigation options and current available technologies

Course materials:

Participants will be provided with a course manual of detailed notes which the presentation will follow.

Additional resources which may be utilised in the course are:

- Example farm records for use on Day 2
- The National Carbon Accounting Toolbox and the Victorian Department of Primary Industries Agriculture Greenhouse calculators are used as the basis for estimating farm based emissions and removals. The workshop guides the land manager through the process of collecting appropriate data and how to input this into the relevant calculators.

If you would like more general information on greenhouse gas emissions in Agriculture before the course please go to www.enviroaccounts.com.au and click on tab 'Resources' and then 'Agriculture'. Here you will find a collection of useful websites and publications specific to agriculture, climate change and greenhouse gas accounting.

If you have any queries relating to this documentation prior to the workshop please do not hesitate to contact EAS consultants on either 0408 798 420 (Kaye Spark) or 0408 798 421 (Carly Green).

Training Course Outline:

1. Climate variability and Climate Change – implications for Land managers
 - 1.1 Global perspectives
 - 1.2 Australian Perspective
 - 1.3 Land managers perspective – what's it mean for me?
 - 1.4 Sources of funding support for land managers
2. Greenhouse Gas Accounting for land managers
 - 2.1 Typical Components in GHG accounts
 - 2.2 Accounting procedure
 - 2.3 Reporting systems
3. Conducting a farm based Greenhouse Gas Inventory
 - 3.1 Identifying the compliance requirements for reporting
 - 3.2 Defining the scope
 - 3.3 Recording the activities for each of the following sectors
 - 3.4 Calculating the emissions or abatement
 - 3.5 Validation and Verification
4. Abatement Projects and Carbon Trading
 - 4.1 Overview
 - 4.2 Trading systems
 - 4.3 Standards used for compliance
 - 4.4 Other Programs
 - 4.5 Carbon Insurance