



# Carbon Management: effective e-training

Our web-based **Carbon Management** course enables you or your staff to train any time, anywhere. It is designed for those who need to have an overview of carbon management so that they can plan a strategy to deal with issues such as carbon footprints, carbon taxes, and carbon trading.

## Aims of the course

The aim of this course is to help you to understand how to reduce your organisation's contribution to global warming, and hence climate change, by minimising and then mitigating its emissions of greenhouse gases.

## Course objectives

At the end of this course you should have a clear understanding of:

- carbon and the role that it plays in climate change and global warming;
- carbon foot-printing;
- the CRC and UK mandatory carbon reporting;
- reducing and offsetting carbon.

## Benefits include:

### • **Designed by experts**

With 20 years' experience, the practising consultants at Loreus have developed this course for the industry they work in.

### • **Flexible e-learning**

Start and finish the course when you want; work at your own pace, any time, anywhere.

### • **Easy to use**

The e-learning system has an intuitive user interface that simply guides you through the course.

### • **Gain a qualification**

When you pass the online test, you will be awarded a Loreus Certificate in Carbon Management.

## Entry qualifications

This course is open to everyone, but some environmental knowledge is helpful.

## How do I enrol?

Go to the Loreus website and you can enrol and pay for the course in the Training Centre with a debit or credit card or by using PayPal. You will be able to access the course as soon as the payment has cleared.

## Competitively priced

This course is very competitively priced. Please refer to the Loreus website for full pricing information.

Our prices include all the training materials and assessment costs.

## Working through the course

All the instructions you need to work through the course and take the test are provided when you enrol.

## How long does it take?

It usually takes about eight hours in total to read and understand the course material, explore all the hyperlinks and revise for and take the test.

## Assignment

If you wish to be awarded the Loreus Certificate in Carbon Management you will have to complete an open book, multiple-completion test. You will have 30 minutes to complete the test. The open-book test is available online and can be taken any time, anywhere.

## Passing the course

This course operates on a pass/fail basis. The minimum pass mark for this course is 50%.

## When you complete the course

When you successfully complete the course, you will be awarded a certificate of achievement.



“Overall the programme is easy to use and the text is very concise and to the point.” Douglas Leech, Technical Manager, CBA

# Course Syllabus

The course is divided into 11 chapters:

## 1. THE IMPORTANCE OF CARBON

Firstly, we explain the key concepts such as the nature of carbon, the carbon cycle, the greenhouse effect and the contribution greenhouse gases make to global warming and climate change. The environmental and economic costs of climate change are addressed in this section.

## 2. CARBON FOOTPRINTS

Here we explain the term “carbon footprint” and its relationship to Greenhouse Gases (GHGs). The main GHG standards are described including the GHG Protocol, ISO 14064, DEFRA GHG Guidance and PAS 2050. Scopes 1, 2 and 3 are discussed along with the concept of primary and secondary footprints.

## 3. OVERVIEW OF CARBON REPORTING

In this chapter, we explain how to report an organisation’s carbon footprint, including: The benefits of GHG reporting; UK systems and standards; the key principles for Reporting and carbon calculators.

## 4. UK GHG REGULATIONS

In this chapter, we explain the different GHG regulations relating to organisations that operate within the UK. The main GHG regulations in the UK that are covered in this chapter are: mandatory reporting; EU Emissions Trading Scheme (EU ETS); Carbon Reduction Commitment (CRC) and Climate Change Agreements (CCAs).

## 5. CREATING A GHG INVENTORY

Here the practical steps necessary for creating a GHG inventory are explained. In particular: what is a GHG inventory; consolidation approaches; selecting a base year; collecting data; dealing with missing data; converting data to emissions; reporting your data and the systems based approach.

## 6. COLLECTING GHG DATA

This chapter explains all the necessary steps for collecting GHG data for your organisation’s reporting requirements. It covers how to collect data for each of the identified GHG sources and: the reporting period; selecting a base year; what data do you currently have; dealing with missing data.

## 7. REPORTING YOUR GHG DATA

In this chapter we describe the different methods used for reporting GHG data in relation to the type of the report required by different standards or legislation. The following areas are also discussed: intensity ratios; totals for each scope; totals for the whole organisation; footprints from previous years; mandatory GHG reporting regulations (2013); reporting voluntary information.

## 8. REDUCING YOUR CARBON EMISSIONS

Here we briefly deal with the methods you can use to reduce your dependence on carbon through *ad hoc* measures or by using an environmental management system. The concept of becoming carbon neutral is introduced and the drivers for becoming carbon neutral are discussed. The schemes that can be used for environmental reporting are also covered here.

## 9. OFFSETTING YOUR REMAINING CARBON EMISSIONS

Carbon offsetting is explained in this section and the methods that are used to reduce carbon are addressed.

## 10. OTHER CARBON ISSUES

Here we deal with the Climate Change Levy, Biomass Strategy, Energy Performance of Buildings and Tradable energy quotas. Adapting to climate change and possible mitigation strategies are discussed.

## 11. CONCLUSIONS

The Stern Report and the importance of effective carbon management are discussed.