



CPD Course on Carbon Footprinting

A course run jointly between the School of Chemical Engineering & Analytical Science and the Sustainable Consumption Institute

10-13 March 2009, The University of Manchester

Course overview

Climate change is increasingly recognised as the biggest environmental threat we face, and as such it is also becoming a critical business issue. Organisations of all types and sizes need to be aware of their environmental impacts and should be able to demonstrate what they are doing to reduce carbon emissions and mitigate climate change.

The term carbon footprint is commonly used to describe the total amount of CO₂ and other Green-House Gas (GHG) emissions caused directly or indirectly by an individual, organisation, product or activity. For an organisation, estimating its carbon footprint can be the first step in the effort to reduce the carbon emissions it causes.

This three and a half-day course will explain in detail why organisations need to manage their carbon emissions, set in the context of the current legislative and other drivers. It will demonstrate how to monitor, estimate and minimise carbon footprint and explain some of the key issues faced in the estimation of a carbon footprint.

Calculating a carbon footprint is an integral part of carbon management. The course will outline both strategic and operational approaches to managing carbon and explain how to integrate these into the existing business practice. It will also demonstrate that, in their efforts to reduce carbon emissions, organisations should look beyond direct carbon emissions towards managing the carbon footprint across their supply chain. Life Cycle Analysis (LCA) techniques used to calculate the

carbon footprint across the supply chain will be explained and applied in a number of practical case studies and hands-on exercises. The focus will in particular be on the application of new PAS2050 standard for estimating carbon footprints.

The course will also place carbon footprinting in a broader context of Corporate Social Responsibility (CSR), and show that it could be an effective tool for communication with stakeholders as well as a valuable device for corporate reporting and marketing purposes. Amongst other approaches for communicating with customers in particular, the advantages and disadvantages of carbon labelling will also be discussed.

What you can expect to learn?

The participants can expect to learn about a range of issues related to carbon footprinting, including:

- What is a carbon footprint and why it is important;
- How to estimate a carbon footprint using PAS2050;
- How to develop a strategic framework for managing carbon emissions and integrate carbon management into the existing business practice;
- How to conduct an integrated supply chain analysis with respect to carbon; and
- How to use carbon footprinting for corporate reporting and labelling purposes.

Who should attend?

This course is aimed at corporate and other organisations, and could in particular be useful for:

- Environmental and sustainable development managers;
- Communications and marketing managers;
- Technical and operations managers;
- Any other professionals who wish to update their knowledge on carbon footprint-related issues.

Where?

The course will be held at the University of Manchester and is run jointly between the School of Chemical Engineering & Analytical Science and the Sustainable Consumption Institute.

When?

The course will be held from 10-13 March 2009, starting at 10:30 on the 10th and finishing at lunch time on 13th March 2009.

Cost

Early-bird fee

(registrations received by: 1 February 2009): £990

Late registration

(received after 1 February 2009): £1100
The course fee includes course material, lunch and refreshments.

Prerequisites

This course will involve several computer exercises so that participants must be familiar with the MS Office and the related software. Participants are also required to bring their own laptop to be able to complete the exercise. The laptops must be enabled for uploading Excel spreadsheets and other MS Office documents.



Course outline

1. Introduction

- Climate change: State of the art
- Carbon footprint: The concepts
- Drivers and barriers for carbon footprinting
- Carbon footprinting challenges and opportunities
- Approaches to calculating carbon footprints

2. Direct Carbon Footprints

- Calculating a direct carbon footprint
- Producing a carbon footprint report: methodology; scope; verification; disclosure
- Examples and case studies
- Hands-on exercise: Calculating the carbon footprint of an organisation

3. Carbon Footprints in the Supply Chain

- Beyond direct carbon footprint: Carbon footprinting the supply chains
- Methodology: Life Cycle Assessment (LCA)
- Carbon footprinting standards: ISO 14044 and PAS2050
- Examples and case studies
- Hands-on exercises: Calculating the carbon footprint of a supply chain

4. Carbon Management

- A strategic framework for managing carbon emissions
- Operational issues: Managing the carbon 'hot spots'
- Hands-on exercises: Identifying the carbon 'hot spots' and opportunities for reducing the carbon footprint

5. Carbon Footprinting for Business Communication and Marketing

- Business-to-business communication
- Informing consumers: Carbon labelling
- Case studies

6. Beyond Carbon Footprinting

- Corporate Social Responsibility (CSR)
- Measuring and reporting sustainability: Global Reporting Initiative and sustainability indicators
- Case studies

Registration

CPD on Carbon Footprinting 10-13 March 2009, The University of Manchester

Please complete this form and return by 13 February 2009 to:
The Sustainable Consumption Institute, 188 Waterloo Place, Oxford Road,
The University of Manchester, Manchester, M13 9PL, UK.
Alternatively, you can scan the completed form and email it to
sue.huzar@manchester.ac.uk

Fees

Please tick the appropriate fee:
 Early-bird fee (registrations received by: 1 February 2009): £ 990
 Late registration (received after 1 February 2009): £1100

The course fee includes course material, attendance at all lectures, lunch and refreshments each day of the course.

Title: _____ First name: _____

Family name: _____

Company: _____

Position: _____

Address: _____

Postcode: _____

Country: _____

Telephone: _____

Email: _____

Payment

- I enclose a cheque:** (please make payable to: The University of Manchester)
 Please invoice my Company:
 Please debit my credit / debit card:

Card type: _____

Name on card: _____

Card number: _____

Start: ____/____/____ Expiry: ____/____/____ Issue no: ____ Security code: ____

Signature _____

I have special menu requirements
 (We'll contact you to discuss your requirements)

Sustainable Consumption Institute

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