

WORKSHOP OUTLINE & REGISTRATION  
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# carbon footprinting

for your product, your firm, your future

2 day training workshop @ the  
UNSW Water Research Centre

The University of New South Wales, Kensington Campus

**Sydney: 08 – 09 April 2010**

Sponsored by



Sustainability Assessment Program | UNSW Water Research Centre | The University of New South Wales, Sydney  
Contact: Patricia Karwan, [pkarwan@unsw.edu.au](mailto:pkarwan@unsw.edu.au), +61 (0) 2 9385 5017



## The UNSW Water Research Centre in Sydney is running a 2 day workshop 'Carbon Footprinting for your product, your firm, your future'.

Climate change is one of the greatest economic, social and political challenges of our time. Already there are multiple international activities going on in order to address these challenges, e.g. product carbon footprinting by UK's largest retailer Tesco and corporate carbon footprints by multinational companies. These activities have developed their own dynamic and they are rapidly picking up pace.

Many companies have recognised that it is now time to take action and demonstrate responsibility to their customers, stakeholders and staff by reducing their carbon footprint. Some do it to meet legislative requirements and many others see bottom-line benefits in reducing their carbon footprint on a voluntary basis. This workshop will help organisations take a pro-active approach to managing their carbon footprint by providing participants with:

- ▷ latest information on current and forthcoming challenges of addressing climate change;
- ▷ guidance and training on measuring product and organisational carbon footprints by using real-life case studies;
- ▷ the ability to identify opportunities and risks of carbon footprinting; and
- ▷ a basis for developing carbon reduction management strategies.

### who should attend?

The workshop provides an ideal background to environmental managers, business managers, engineers, researchers, analysts, environmental consultants and other industry and government decision-makers who will be required to report their greenhouse gas emissions under the National Greenhouse and Energy Reporting Act or who are preparing to provide carbon footprints for their products.

### location

The workshop will be held at the University of New South Wales on the Kensington Campus, NSW 2052.

### feedback from previous participants:

"Excellent job! Brilliant and knowledgeable lecturers."

"Having already undertaken a CF review I found the information provided extended my knowledge base to the point where my brain hurt! This was most rewarding!"

## workshop outline

This workshop will provide participants with an in-depth understanding of carbon footprinting and greenhouse gas accounting which are based on life cycle assessment (LCA) methodology. It will cover the most recent developments of carbon footprinting standards and labelling activities around the globe. The focus will be on both corporate and product carbon footprints largely depending on the participants' interests.

There will be an emphasis on practical carbon footprint case studies and giving participants the opportunity to work on their own examples in small groups. We will discuss how to create and manage a greenhouse gas emissions reduction plan, how to offset emissions as well as the pros and cons of communicating carbon messages.

The workshop will be comprised of a balanced mix of presentations, small group exercises and moderated discussion in order to ensure lively discussions and participants buy-in.

## program details

### Day 1 morning – Fundamentals

- ▷ Introduction to carbon footprints
- ▷ Recent national and international developments that require carbon management (NGERS, CPRS, ETS, other)
- ▷ Corporate carbon footprints (methodology, practical aspects and real-life examples)
- ▷ Product carbon footprints (methodology, practical aspects and real-life examples)

### Day 1 afternoon – Applications in Business and Government; practical carbon footprint training

- ▷ Carbon footprint standards (WRI Greenhouse Gas Protocol, PAS2050, etc.)
- ▷ Hands-on case studies focussing on corporate and product carbon footprints including:
  - Definition of the functional unit, system boundaries and data requirements
  - Data collection
  - Calculation of carbon footprints ('back of the envelope' supported by the LCA software tool GaBi)
  - Identification of hot spots

### Day 2 morning – practical carbon footprint training; carbon reduction strategies

- ▷ Hands-on case studies on corporate and product carbon footprints – cont'd.
- ▷ Conclusions from the case studies
- ▷ How to develop a carbon reduction strategy? (to be discussed based on the hands-on examples)
- ▷ Impacts of footprint standards (WRI Greenhouse Gas Protocol, PAS2050, etc.)

### Day 2 afternoon – Where to next?

- ▷ Certification, verification and communication of carbon footprints
- ▷ Strengths and limitations of information tools for carbon footprinting (Oscar, BASIX, SoFi etc.)
- ▷ Political outlook and looking ahead (e.g. water footprinting)
- ▷ Lessons learned

### Learning outcomes

On completing this workshop, participants will have a detailed understanding of the context, methodology and practice of carbon footprinting. They will be able to apply carbon footprint reduction strategies to the management of their own products and organisation.

Participants will receive a certificate documenting their completion of this workshop.

## workshop presenters

### Dr Sven Lundie



**DR SVEN LUNDIE**

Principal Consultant at PE International and Associate Professor at WRC, UNSW

The course will be headed by Associate Professor Sven Lundie. As a Principal Consultant for PE International, Sven is at the forefront of developing sustainability and carbon management strategies for multinational companies ([www.pe-international.com](http://www.pe-international.com)).

Sven has been working as a consultant in the area of environmental life cycle assessment (LCA), carbon and water footprinting and strategy development for more than 15 years and has published more than 40 peer reviewed journal articles, book chapters and books on this topic.

He is a professional facilitator, has an outstanding record in interactive teaching in sustainability, LCA and carbon footprinting and holds a part time position as an Associate Professor at the UNSW Water Research Centre.

### Dr Greg Peters



**DR GREG PETERS**

Associate Professor in Chemical and Biological Engineering, Chalmers University of Technology

Greg has worked on various aspects of sustainability assessment since 1998 and teaches sustainability assessment tools including carbon footprinting, LCA, life cycle costing and ecological footprinting to undergraduate and postgraduate students.

Greg was previously an environmental impact assessor and engineering planner at Sydney Water before joining UNSW in 2005 to manage the Sustainability Assessment Program. Now at Chalmers he has added forestry to the water, chemical, agricultural and government sectors with which he is engaged. He has published 23 peer-reviewed articles or book chapters in the field. Greg was elected Vice President or President of the Australian Life Cycle Assessment Society from 2006 to 2009.

### Matthias Schulz



**MATTHIAS SCHULZ**

Research Associate Sustainability Assessment Program at the UNSW Water Research Centre.

Matthias specialises in the application of life cycle assessment and life cycle costing methodology for a range of process areas in different industries. Recently he managed a major carbon footprint measurement project for the New Zealand dairy industry and set up an interactive reporting tool for use by the client. In another project he led the development of a streamlined LCA tool which compares the sustainability of alternative water and sewage servicing options.

Matthias applies his background in consultancy for different industries to his work, bringing broad practical knowledge and a project management approach to this workshop.



**registration form**

**Carbon Footprinting for your product, your firm, your future**  
**08 – 09 April 2010**

UNSW Water Research Centre, The University of New South Wales, Sydney, Australia.

**Attendee Details**

Name \_\_\_\_\_ Title Dr/Mr/Mrs/Ms/Miss \_\_\_\_\_

Position \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Tel \_\_\_\_\_ Fax \_\_\_\_\_

Mobile \_\_\_\_\_ Email \_\_\_\_\_

The registration fee for this 2-day workshop is **\$990** (incl. GST) and includes attendance, morning and afternoon tea, lunch, and full course documentation.  
 For full time students (proof of student card required) the fee is \$ 600 (incl. GST)  
 An **earlybird rate of \$880** (\$500 for students) is available to attendees who register and pay before 1 March 2010.  
 The fee does **not** cover travel and accommodation.

**Credit Card Details**

Payment via credit card is preferred. If payment via cheque, invoice or EFT is required then please contact the UNSW Water Research Centre as detailed below for further information.

Name of cardholder \_\_\_\_\_

Card number \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_

Expiry Date \_\_\_\_\_ / \_\_\_\_\_ Amount (AUD) \_\_\_\_\_

Signature \_\_\_\_\_

**Cancellations and Substitutions** It is regretted that cancellations and refunds cannot be made. However, the organisers will accept substitutions provided that written notification is received.

**Data Protection**  Please tick this box if you do not wish your details to be held by The University of New South Wales for the purpose of marketing courses, conferences, research programmes and other associated activities

**Submit to:** UNSW Water Research Centre, The University of New South Wales, UNSW, Sydney 2052, Australia.

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