

# International Ecological Footprint Conference

## Stepping Up the Pace: New developments in Ecological Footprint Methodology, Policy and Practice Cardiff, 8-10 May 2007

### Conference Programme

#### Tuesday 8<sup>th</sup> May 2007

- 08.40-09.40 Conference registration
- 09.40-09.50 Welcome speech by Professor Ken Peattie, Director ESRC BRASS Research Centre, Cardiff University.
- 09.50-10:10 Opening speech by Sue Essex, Former Environment Minister, Welsh Assembly Government (tbc).
- 10:10-10.50 Keynote Address: Mathis Wackernagel, co-creator of the Ecological Footprint concept and Executive Director of the Global Footprint Network.  
*"What's possible with Global Footprint Network?"*
- 10.50-11.30 Keynote Address: Professor Tim Jackson, Professor of Sustainable Development at the University of Surrey and Member of the UK Sustainable Development Commission.  
*"Live better by consuming less? The challenge of sustainable consumption."*
- 11.30-12.10 Keynote Address: Terry A'Hearn, Director of Sustainable Development, Environmental Protection Agency, Victoria, Australia.  
*"Ecological Footprint- Sparking Innovation in Australia."*
- 12:10-13:30 Lunch and exhibition
- 13:30-15:00 Paper Presentations

#### Room A

Chair: Tim Jackson

P29 Druckman et al.

P108 Flynn and Collins

P90 Hayden and Shandra

#### Room B

Chair: Ann MacGarry

A81 Wada et al.

A72 Milne et al.

#### Policy & Practice: Consumption

UK Progress towards Carbon Reduction Targets: A Consumption Based Perspective

The end of the line: waste and the ecological footprint of Cardiff

Hours of Work and the Ecological Footprint of Nations

#### Applications: Environmental Education

Development of a Web-Based Personal Ecological Footprint Calculator for the Japanese

Ecological Footprint: A Framework for Sustainability Education

A77 Carragher et al.	Pilot Study to Develop an Effective School-Based EF as a CBSM Vehicle
A41 Nash and George	Use of the Ecological Footprint to Embed Eco-Practice

**Room C**

**Policy & Practice: Policy, Politics and Decision-Making (1)**

Chair: Barry Craig	
P60 George	Ecological Footprint at a Small Scale: Review of the Practical Use of Ecological Footprinting in 2007
P42 Cowell	Leaving a Mark? The Institutionalisation of Ecological Footprinting
P35 Barrett	The Policy Relevance of the Ecological Footprint
P92 Curry and Maguire	Integration with Other Decision Making Tools: The use of Ecological Footprint Analysis in Sustainable Development Policy Making: A Case Study of Northern Ireland

**Room I**

**Applications: Businesses (1)**

Chair: Tommy Weidmann	
A48 Burdick	Certifying Sustainability: Measuring and Certifying Sustainable Products
A87 Salazar	One Planet Business - Creating Value within Planetary Limits
A103 Hannigan-Popp and Duncan	Pilot Projects in Business and the Environment undertaken by Groundwork

**Assembly Room**

**Methodology: National Footprint Accounts (1)**

Chair: Alan Netherwood	
M65 Kitzes et al.	A Research Agenda for Improving National Ecological Footprint Accounts
M94 Cranston et al.	Exploring the Factors that Influence National Environmental Footprints
M78 Simmons et al.	Assessing the Quality of the National Footprint Accounts using Germany as a Case Study

15:00-15:30 Coffee break

15:30-17:00 Paper Presentations

**Room A**

**Applications: Spaces and Places (1)**

Chair: Gillian Bristow	
A62 Collins	Energy Footprints of Cork City Council's 'Sustainable City Campus'
A68 Huser and Macdonald	Development of the Ecological Footprint as a Sustainability Indicator for the Waikato Region, North Island, New Zealand
A101 Xiao-dong et al.	Application Research of Ecological Footprint: Time Sequence and Comparative Analysis of Selected Chinese Cities
A53 Siche et al.	Approach of the Ecological Footprint Based on Emery (EEF) – Peru as case study

**Room B**

**Applications: Food**

Chair: Elizabeth Leighton	
A70 Wallace	Easy on the Oil: Policy options for a smaller waistline and a lighter footprint
A105 Collins and Fairchild	Jamie Oliver's School Dinners Campaign: An analysis of the nutritional and environmental impacts
A33 Frey and Barrett	Our Health, Our Environment: The Ecological Footprint of What We Eat

**Room C**

Chair: Nigel Hollett  
 P27 Stoeglehner and  
 Narodoslowsky

P86 Lewis et al.  
 P50 Paul et al.

**Policy & Practice: Policy Politics and Decision-Making (2)**

Applying Ecological Footprinting in Decision Making Processes on Future Local and Regional Energy Supplies  
 Ecological Footprint Standards  
 Using the Resources and Energy Analysis Programme for Strategic Policy Advice

**Room I**

Chair: Terry A'Hearn  
 Co-Chair: Krista Milne  
 A36 Wiedmann et al.

A82 Simmons  
 A58 Bouazzaoui et al.

**Applications: Businesses (2)**

Companies on the Scale: Comparing and Benchmarking the Footprints of Businesses  
 Footprinting Businesses Using Corporate Stepwise  
 Ecological Footprint at a Small Scale: Proposition of a Method and Model of Representation of Ecological Footprint for Industrial Activities

**Assembly Room**

Chair: Arnold Tukker  
 M85 Lewis et al.  
 M66 Kitzes et al.

M80 Lewis et al.

**Methodology: National Footprint Accounts (2)**

Sensitivity and Footprint Time Series  
 A "Constant Global Hectare" Method for Representing Ecological Footprint Time Trends  
 Financial and Physical Application Methods

18.00-19:00

Evening Event: Tour of 'The Senedd', the new Welsh Assembly Government Building, Cardiff Bay.

19:00-21:00

Evening Reception at the Wales Millennium Centre, Cardiff Bay. Sponsored by the Welsh Assembly Government.

Welcome speech by Grant Duncan, Head of Sustainable Futures Division, Welsh Assembly Government.

## Wednesday 9<sup>th</sup> May 2007

- 09:00-10:00 Conference registration
- 10:00-10:10 Welcome speech by Professor Ken Peattie, Director ESRC BRASS Research Centre, Cardiff University.
- 10:10-10:50 Keynote Address: Professor William Rees, co-creator of the Ecological Footprint concept and Professor of Community and Regional Planning at the University of British Columbia.  
*"Eco-Footprints to (Un)Sustainability: Material Growth, the Second Law and Social (In)justice."*
- 10:50-11:30 Keynote Address: Professor David Pimentel, Professor Emeritus of Ecology & Agricultural Sciences, Department of Entomology and Systemics, Cornell University, Ithaca.
- 11:30- 12:10 Keynote Address: David Stubbs, Head of Environment & Sustainable Development, The London Organising Committee of the Olympic Games and Paralympic Games.
- 12:10-13:30 Lunch & Exhibition
- 13:30-15:00 Paper Presentations

### Room A

### Applications: Spaces & Places (2)

Chair: Susan Bums

Co-Chair: Brooking Gatewood

A75 Vackar et al.

Urban Ecological Footprint and Metabolism: The Case of the Pilsen Metropolitan Area

A59 Wiedmann et al.

Modelling Ecological Footprints for sub-regional Levels: A Detailed Footprint of Consumption in Melbourne and Local Areas of Victoria

### Room B

### Methodology: Biodiversity & Water

Chair: Craig Simmons

Co-Chair: Justin Kitzes

M40 Hoekstra

The Water Footprint Concept

M74 Vackar

Ecological Footprint and Biodiversity Sustainable use

M38 Chapagain and

The water footprint of EU Fresh Tomato

Orr

Consumption from Spain: Refining Methods for Intensive Plastic-covered Agricultural Systems

### Room C

### Methodology: Conversion, Energy & Greenhouse Gases (1)

Chair: Mathis Wackernagel

M97 Wermer et al.

Calculating the Carbon Conversion Factor

M73 Havranek and

Ecological footprint of the Czech Republic:

Vackar

Robustness of Energy Conversion Approaches

### Room I

### Application: Farming

Chair: Ann MacGarry

A43 Demenge

Measuring Ecological Footprints of Subsistence Farmers in Ladakh

A51 Agostinho et al.

True Ecological Footprints for Small Farms in Brazil

15:00-15:30 Coffee break  
15:30-17:00 Paper Presentations

### **Room A**

Chair: Yoshi Wada  
Co-chair: David Stubbs  
A57 Leighton et al.

A102 Birch

A106 Collins et al.

### **Applications: Spaces & Places (3)**

Local Authorities Leading the Way for a Low Footprint UK

From Master Plans to Local Strategies - High and Low level Applications of the Ecological Footprint  
Comparing the economic and environmental impacts of major sporting events: the RBS Rugby Six Nations and FA Cup Final at Cardiff's Millennium Stadium

### **Room B**

Chair: Robin Curry  
M89 Roy et al.

M100 Taniguchi et al.

M76 Sherrington and Moran

### **Methodology: Planning**

GIS/EFA-based Modelling: Critical Success Factors

Development of a Water Supply Footprint Index to Assess the Water Balance for Local Land-use Planning

Treading Lightly or Trampled Underfoot?  
The limitations of the Ecological Footprint approach in planning for sustainability: a case study of onshore wind power in Scotland

### **Room C**

Chair: Peter Harper  
A79 Chambers and Roper  
A45 de Felipe and Lopez  
A99 Herva Iglesias et al.

A95 Niccolucci et al.

A107 Huijbregts et al.

### **Applications: Products & Sectors**

Using Ecological Footprinting to Inform Product Design

Ecological Footprint Calculation in Construction

An Approach for the Application of the Ecological Footprint as Environmental Indicator in the Textile Sector

The Ecological Footprint Analysis Applied to Two Different Italian Wine Productions

Ecological Footprint Accounting in the Life Cycle Assessment of Products

### **Room I**

Chair: John Barrett  
M64 Walsh et al.

M96 Wermer et al.

M54 Siche et al.

### **Methodology: Conversion, Energy & Greenhouse Gases (2)**

Incorporating Methane into Ecological Footprint Calculations

Potential Revisions to the Nuclear Power Footprint  
Emergy Net Primary Production as basis for calculation of Ecological Footprint

### **Assembly Room**

Chair: Justin Kitzes  
A37 Wiedmann et al.

A52 Moran et al.

### **Application: Trade & Environment**

Multiregional Input-Output Modelling Opens New Opportunities for the Estimation of Ecological Footprints Embedded in International Trade

Trading Spaces: Embodied Ecological Footprints in International Trade

A21 Tukker	Towards a Global Regionalised Environmentally Extended Input-Output Database, Linked to the Ecological Footprint
A84 Simmons	Tracking Footprints: A New Global Evidence Base Which Links Primary Resource Extraction to Final Consumption
A39 Philomena	Exportation: the Constant Apparition of the Ecological Bigfoot in Brazil

**Thursday 10<sup>th</sup> May 2007**

**Co-hosted by the Global Footprint Network and Footprint Wales**

08.30-09.30	Conference registration
09.30-09.40	Welcome and introductory speech by Morgan Parry, Head of WWF Cymru.
09.40-09.55	Nigel Hollett, Chair of Footprint Wales and Sustainable Development Policy Manager, Environment Agency Wales. <i>"Footprint Wales - sharing good practice and navigating the future."</i>
09.55-10.55	UK Government: Engaging with the Ecological Footprint  Sarah Hawkes, Statistical Advisor, DEFRA Dr. Simon Bilsborough, Sustainable Futures Division, Welsh Assembly Government
10.55-11.10	Keith Davies, Head of Policy, Countryside Council for Wales <i>"Wales' Carrying Capacity."</i>

11.10-11.40 Coffee Break

11.40-13.40 Workshops Sessions (1)

**Workshop**

**Lead by**

**Workshop Title:**

W2	Ecolife	Ecological Footprint and behavioural change
W3	WWF UK, Centre for Alternative Technology and Ecodyfi	Ecological Footprint, a driver for change at the community level in the UK?
W4	Best Foot Forward	Footprinting your Business
W7	Global Footprint Network	National Ecological Footprint Accounting: Theory, Methodology, and Practice
13.40-14.30	Lunch & Exhibition	
14.30-16.30	Workshop Sessions (2)	
W1	WWF UK, Cardiff Council & Centre for Alternative Technology	Learning for Sustainability and Ecological Footprinting
W5	ISA-UK Research & Consulting	Ecological Footprint and Triple Bottom Line Analysis for Companies and Organisations: Theory and Practice
W8	Global Footprint Network	The Future of the Footprint: A community dialogue
W9	Millennium Institute & Global Footprint Network	Sustainable Human Development: Footprint applications in Africa and T21 analysis of alternative development paths

16.30- 17:30

Coffee Break & Networking

17.30

Conference ends