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**What is this thing we call  
'sustainability'**

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- Sustainability definitions include:
  - ESD economic, social, environment

***"Our world is a fragile place.***

***If we want to make sure it is safe, just, clean and viable for future generations, it is up to all of us to look after it."***

**The only planet  
we can live on.**



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- Eco-Footprinting a tool to measure sustainability
- Indicator of environmental sustainability
  - Work at moving indicator towards sustainability
- Driver of behaviour change
- Small steps

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## Ecological footprinting

Ecological footprint analysis approximates the amount of ecologically productive land, sea and other water mass area required to sustain a population, manufacture a product, or undertake certain activities, by accounting the use of energy, food, water, building material and other consumables. The calculations used typically convert this into a measure of land area used in 'global hectares' (*gha*) per person.

<http://www.footprintnetwork.org/>

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<http://www.ew.govt.nz/enviroinfo/indicators/community/sustainability/ecofoot/report.htm>



## Ecological footprinting

- It is a way of determining relative consumption for the purpose of educating people about their resource use and, sometimes, triggering them to alter their over-consumption. It can be combined with overpopulation concerns and stated as "the number of Earths it would take to support every human living exactly the way you do."

- <http://www.footprintnetwork.org/>

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- Ecological footprints is used to argue that current lifestyles are not sustainable. For example, the average "earthshare" available to each human citizen is approximately 1.9 gha per capita. The US average footprint is 9.5 gha per capita, and that of Switzerland 4 gha, whilst China's is circa 1.5 gha per head.

<http://www.footprintnetwork.org/>

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## Ecological footprinting

- Green events and ‘footprinting’
  - <http://www.epa.vic.gov.au/ecologicalfootprint/calculators/default.asp>
- Personal check out Powerhouse museum
  - <http://www.powerhousemuseum.com/education/ecologic/games.htm>

Microsoft Excel - green event workshop mar2.xls

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Type a question for help

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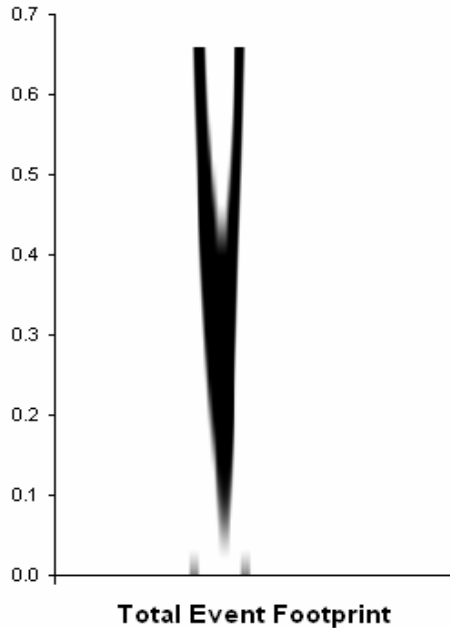
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E7 LGSA Green Events Workshop

A B C D E F G H I J K L M N O

1  
2  Events Eco-Footprint Calculator  
3  
4  
5  
6 Ecological Footprint Estimator.  
7 Name of event: **LGSA Green Events Workshop**  
8  
9  
10 *Click on the feet and follow each step to assess the Footprint of your event:*  
11  
12  **Step 1: Event Details**  
13  
14  **Step 2: Event Expenditure and Revenue**  
15  
16  **Step 3: Event Waste**  
17  
18  **Step 4. Event Transport**  
19  
20  **Step 5. Event Accommodation**  
21  
22  **Step 6. Ecological Footprint Report**  
23  
24

Totals  
0.7 Global Hectares  
1.1 No. of soccer fields



Total Event Footprint

Welcome Events Results Reduction tips /

Ready

start

Inbox - Microso... green your eve... http://www.taki... sustainability pr... green event wo... 1:14 PM

Microsoft Excel - green event workshop mar 2.xls

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C38 =SUM(Footprint Calculator!AH12:AH23)

A B C D E F G H I J K L

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Events Eco-Footprint Calculator

## ECOLOGICAL FOOTPRINT REPORT

Your total Ecological Footprint is: **0.7 (gha)**  
 Each delegates Footprint equals: **1.1 Soccer Fields**

Ranking your Footprint areas

RANK	Value	Description
3	0.03 gha	Event venue and operation
1	0.53 gha	Event Expenditure and Revenue
4	0.00 gha	Event Waste
2	0.09 gha	Event Transport
5	0.00 gha	Event Accommodation

Total Ecological Footprint							
	Energy	Pasture	Crop	Forest	Occupied	Biodiversity	Total
Event Details	0.02	0.00	0.00	0.00	0.01	0.00	0.03
Expenditure and Revenue	0.29	0.07	0.09	0.01	0.02	0.06	0.53
Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transport	0.06	0.00	0.00	0.00	0.02	0.01	0.09
Accommodation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Totals</b>	<b>0.37</b>	<b>0.07</b>	<b>0.09</b>	<b>0.01</b>	<b>0.04</b>	<b>0.08</b>	<b>0.66</b>

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<http://www.takingstock.org/lifestyle.asp>

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- Mosman Council **Eco footprinting project**



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- Fostering sustainable behaviour
- Behaviour change barriers –
  - Doug McKenzie Mohr [www.cbsm.com](http://www.cbsm.com)
    - Need incentive, commitments prompts before behaviour becomes normal
    - Remove barriers
    - positive messages

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- Is your council a member of ICLEI?
- ICLEI - Local Governments for Sustainability is an international association of local governments and national and regional local government organisations that have made a commitment to sustainable development

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- **Carbon footprint** is a measure of the amount of carbon dioxide or CO<sub>2</sub> emitted through the combustion of fossil fuels; in the case of an organization, business or enterprise, as part of their everyday operations; in the case of an individual or household, as part of their daily lives; or a product or commodity in reaching market. In materials, is essentially a measure of embodied energy, the result of life cycle analysis.