



# Carbon Footprint 2007

A carbon footprint is a measure of the impact human activities have on the environment, and in particular climate change in terms of the amount of greenhouse gases produced, measured in units of carbon dioxide equivalent.



## GAIA OPERATES AS A CARBON NEUTRAL COMPANY

### Background information

Man-years: 18

Transport: emission factors provided by VTT, VR, WWF and GHG Protocol

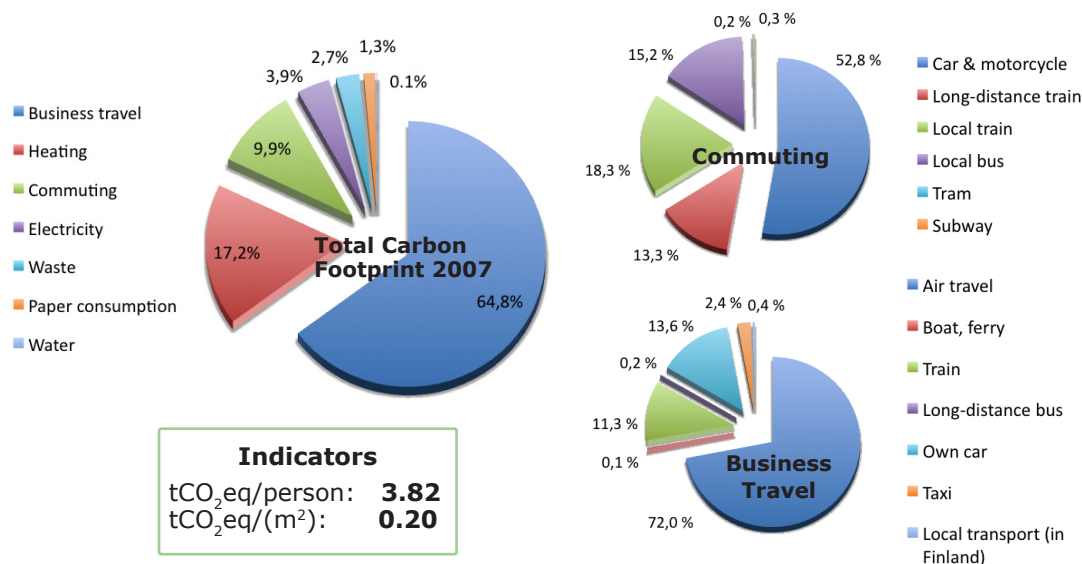
Waste: calculated from average figures in Helsinki area (580 gCO<sub>2</sub>/kg of waste)

Offices	Area (m <sup>2</sup> )	Heating type	CO <sub>2</sub> (g/kWh)
Helsinki	240	district heating	290
Kouvola	46.5	district heating	269
Turku	17.5	district heating	269
Geneva	36	electricity	27
<b>Total area</b>	<b>340</b>		

### Calculation: Total CO<sub>2</sub> emissions 2007 (tCO<sub>2</sub>eq)

Component	Amount	Carbon Footprint
Electricity	10 043 kWh	2.66
Heating	45 900 kWh	11.85
Business travel	482 171 km	44.61
Commuting	114 183 km	6.82
Waste	3 150 kg (175 kg/person/year)	1.89
Paper consumption	300 kg (15 sheets/person/day)	0.92
Water	75 000 litres (20 l/person/day)	0.06
<b>Total</b>		<b>68.81</b>

**Margin of error** 2.0



### Mitigation: Efforts to reduce our footprint

- As we travel for business we favour public transport if it is reasonable considering time limitations.
- International travel and travelling between our offices is minimised whenever possible. Instead, electronic communication media is used when it is sufficient for the communication needs.
- We practice sustainable development by: minimizing the consumption of hot water and electricity (switch off and un-plug electronic devices when not in use); preferring electronic communication and decreasing the use of paper, considering the environmental impact of product life cycle as well as waste recycling; avoiding unnecessary chemicals; preferring organic and fair trade food products.

### Offsetting our unavoidable emissions

We offset the greenhouse gas emissions of our operations annually through a credible offset provider in climate mitigation projects that promote sustainable development and clean energy. Our emissions in 2007 were offset through investment in a clean energy project in Southwest Madagascar. Our carbon neutral partner is myclimate (<http://www.myclimate.org/index.php?lang=en&m=project&um=overview&uum=tulear>)