

Carbon Footprinting - sources of carbon and managing emissions

Archie Prentice

Practically Green

archie@practically-green.co.uk



Counting Carbon

- Sources of Carbon
- Measuring Carbon
- Reducing Carbon

Carbon Footprinting

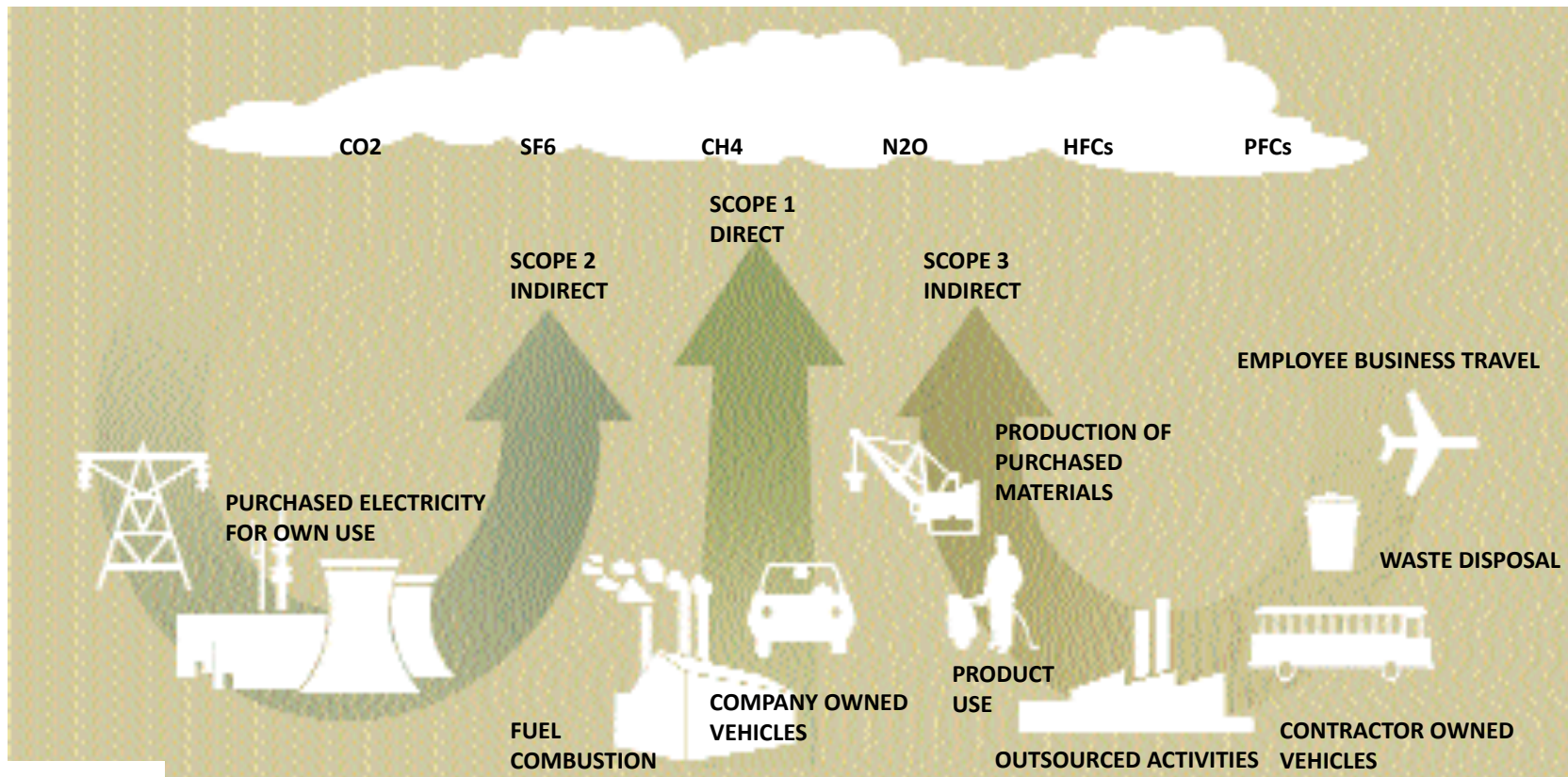
A 'carbon footprint' measures the total greenhouse gas emissions caused directly and indirectly by a person, organisation, event or product.

- Conversion factors

Green House Gas Protocol - understanding, quantifying and managing

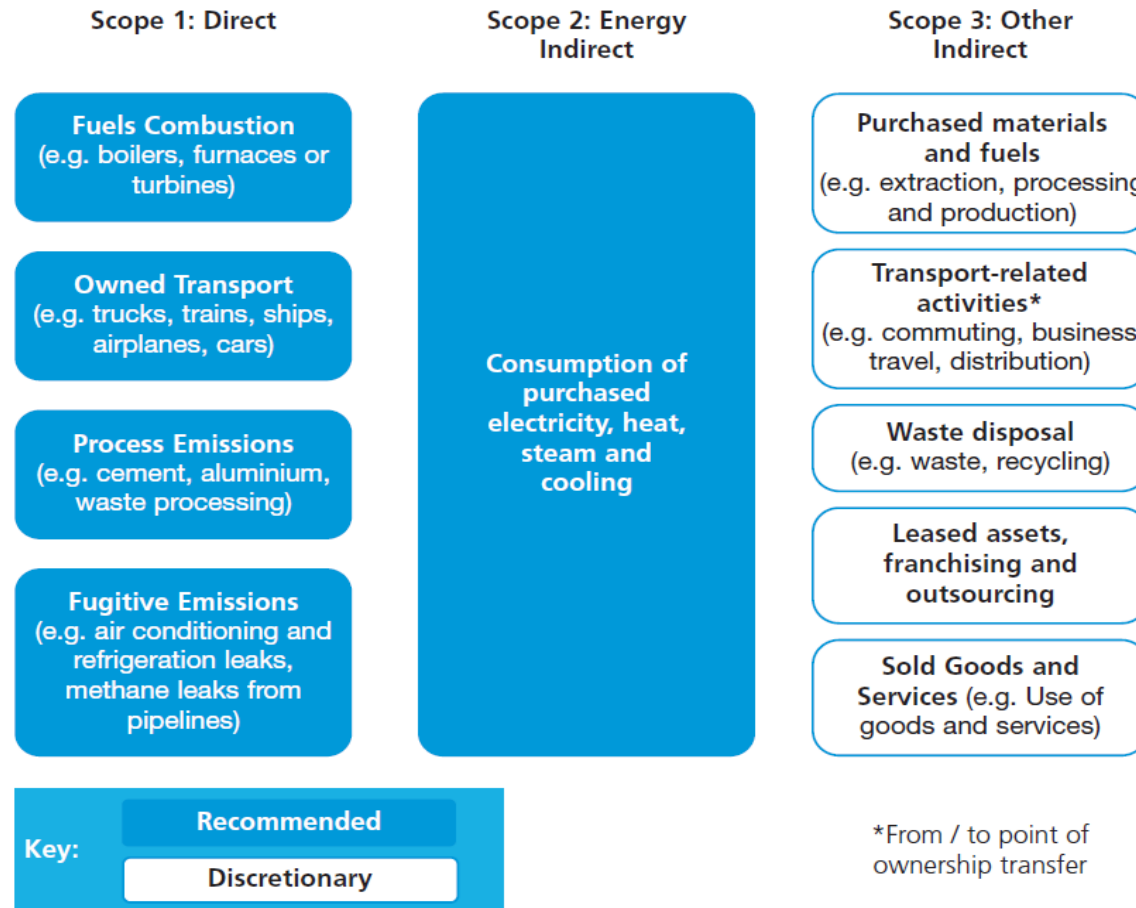
- International accounting tool
- Recognised by business, governments and NGOs,

Greenhouse Gas Protocol Sources of Emissions



Counting Carbon

The following diagram identifies the main types of emissions sources under each scope:



*From / to point of ownership transfer

Carbon Footprint Presentation and Reporting

GHG Emissions for period 1 Jan – 31 Dec 2010			
	2010	2009	Base Yr 2008
Scope 1			
Scope 2			
Scope 3			
Total Gross Emissions			
Green Tariff			
Total Net Emissions			
Intensity measurement CO2 per 1000 products			

Consultancy Business Footprint 2009/2010

- Scope 1 – Use 1200 litres of oil to heat the office.
Travel 6,000 miles in business car
- Scope 2 – Used 5000 kWh of electricity in the office
- Scope 3 – Business travel involved 2000 miles by train, 1000 miles by air.

Consultancy Business Carbon Footprint 2009/10

GHG Emissions for period April 09/March 10				
				Kg CO2 e
Scope 1				5292
Scope 2				3100
Scope 3				565
Total Gross Emissions				8957
Green Tariff				
Total Net Emissions				8957
Intensity measurement (kg CO2 e per £1,000 income)				4.46

Conversion Factors

- **2010 Guidelines to Defra / DECC's GHG Conversion Factors for Company Reporting**
- **Guidance on how to measure and report your greenhouse gas emissions www.defra.gov.uk**

Practical Steps to reduce Carbon Footprint

