

Your Carbon Footprint

- 1. Climate Change and You:** Chris Jones, at Berkeley has created a spreadsheet-based tool for individual to estimate all direct and indirect emissions of GHGs in CO₂ equivalent units resulting from their primary energy related choices: transportation, food, housing (including energy use), goods and services, and waste. Go to Chris' website: <http://coolclimate.berkeley.edu/carboncalculator> and spend some time exploring to understand the basic logic of what the site does (you'll need to have Macromedia Flash installed). There are five separate sectors: Transport, Housing, Food, Goods, and Services. Fill out the carbon calculator with your individual information for each sector. Please be as honest as possible (the information will be kept confidential). Go to the Summary tab and save your answers.
 - a) (5 points) What is the ratio of the highest category (e.g. housing, food, etc.) of your emissions to the lowest? What is the ratio of your total emissions to the national average of 20 tons CO₂ per person per year? What is the ratio of your total emissions to the global average of 4.5 tons CO₂ per person per year?
 - b) (5 points) What do you find most surprising about your results? Please explain in a short paragraph
 - c) (5 points) What lifestyle changes would you have to make in order to emit no more than the global per capita average of 4.5 tons of CO₂? To do this, change the values you entered in the spreadsheet until your total emissions are below 4.5 tons CO₂. Try to make realistic choices. What do the results say about how your lifestyle compares to the lifestyles of the majority of people on the planet? Could you live at or below the global average? Please explain in one short paragraph.