

How our Carbon Emission Figures are Calculated

As a conservation company with supporters from countries all over the world we have calculated our emission totals with the aim of deriving an average figure for a global citizen.

Vehicle Emissions

To determine the average distance driven we looked at data from seven countries around the world including the USA, UK, Canada, France, Germany, China and Australia. Using statistics from the countries government departments we derived a mean average of 15,408 kilometres driven for personal use annually.

In each category of vehicle we used the fuel consumption figures of seven different model cars produced by different manufacturers to determine an average fuel consumption. We then used the IPCC calculation to determine the quantity of carbon burnt per 100 litres of fuel consumed. The calculations are based 2.54kg of carbon dioxide burnt per litre of fuel.

Household Emissions

To determine the average household carbon emissions we looked at data from six countries around the world including the USA, UK, Canada, France, Germany and Australia. Using statistics from the various government departments we derived a mean average of annual household emissions with a sliding scale for the number of people occupying the household.

Hotel Emissions

To determine the average per person per night carbon dioxide emissions from a hotel stay we looked at data from seven countries around the world including the USA, UK, Canada, France, Germany, China and Australia. We looked at 6 hotels from each star rating hotel in the capital city of each country to determine an average per person per night carbon dioxide impact.

For further information on our calculations please contact info@carbontanzania.com