University : Universitat Internacional de Catalunya (UIC)
Country : Spain
Web Address : www.uic.es/en

[2] Energy and Climate Change (EC)

[2.11] The Total Carbon Footprint (CO_2 emissions from the last 12 months, in metric tonnes)

a) **Electricity usage per year (EC 2.7)**

The CO_2 emission from electricity = (electricity usage per year in kWh/1000) x 0.84 = (*3637279* kWh/1000) x 0.84 = **3055 metric tons**

Notes:
Electricity usage per year= *3637279* kWh
0.84 is the coefficient to convert kWh to metric tons (source: www.carbonfootprint.com)

b) **Transportation per year (Car) (TR 5.2)**

Transportation per year (Car) (TR 5.2) = (Number of cars entering your university x 2 x approximate travel distance of a vehicle each day inside campus only (in kilometers) x 240/100) x 0.02 = ((100 x 2 x 0 x 240)/100)) x 0.02 = **0 metric tons**

Notes:
240 is the number of working days per year 0.02 is the coefficient (source: www.carbonfootprint.com) to calculate the emission in metric tons per 100 km car

c) **Transportation per year (Motorcycle) (TR 5.3)**

Transportation per year (Motorcycle) (TR 5.3) = (Number of motorcycle entering your university x 2 x approximate travel distance of a vehicle each day inside campus only (in kilometers) x 240/100) x 0.01 = ((10 x 2 x 0 x 240)/100)) x 0.01 = **0 metric tons**

Notes:
240 is the number of working days per year 0.01 is the coefficient (source: www.carbonfootprint.com) to calculate the emission in metric tons per 100 km for motorcycle

d) **Total emission per year**

Total emission per year = total emission from electricity usage + transportation (car, motorcycle) = **3055** + (0 + 0) = **3055** metric tons

The Total Carbon Footprint = **3055** metric tons

Figure 1. Total Carbon Footprint (Universitat Internacional de Catalunya, Spain)

Description:

The electricity consumed at the Universitat Internacional de Catalunya (UIC) is provided by the peninsula's electricity grid. This mix reflects the emissions associated with the net production of electricity consumed by the university **.**

On the other hand, the CO_2 emissions associated with vehicles (cars and motorcycles) were zero since there is no movement on campuses.

The Carbon footprint calculation can be conducted based on the stage of calculation as stated in www.carbonfootprint.com, which is the sum of electricity usage per year and transportation per year.