



## Handout school collaboration for CO2 footprint calculation

Divide the class into 3 groups. Each group gets a part to work on. At the end, the results are merged into the following table to be inserted into the CO2 Footprint calculation APP.

### GROUP 1:

#### Mobility

Ask at the secretary's office for a list of all pupils' places of residence. This list is then copied to MICROSOFT EXCEL. Now the pupils have to write down the daily distance travelled and the means of transport for each place of residence.

Example: 10 pupils come from Merano (a city in southtyrol). In Merano it is assumed that 8 pupils go to school by train and 2 pupils by bus. The distance from Merano station to Bolzano station is 34 km. The distance from Bolzano station to TFO Max Valier School is 2.5 km. These kilometres are now entered for 8 pupils from Merano under the columns "Train" and "Citybus". The bus route from Merano to Bolzano is 35 km. Now enter the 35 km for the 2 remaining pupils under the category "Bus". Make sure that these are only rough figures. If no one in your class comes from the towns in question, ask friends for their advice. For the teaching staff, you also need to ask for a list and fill in the data. Rough assumptions count.

### GROUP 2:

#### Computer + Laptops + Printer + Printer cartridge in house devices + Printer cartridge service equipment + Server + 3D printer + Plotter

Ask the secretary's office, the caretaker in charge, the directors or professors for information. Possibly there could also be a representative (system administrator) for all technical devices.

#### Gas + Electricity + Water consummation

Contact the competent authority and ask for release of the data (bills for example).



## **GROUP 3:**

### **Paper Sheets DIN A3 + Paper Sheets DIN A4**

Ask the secretary's office, the caretaker in charge or the professors for information.

### **School car**

If you have a school car, ask the secretary, the caretaker in charge or the management for information.

### **Bar (Beverages + Food) + Coffee machine**

Ask for data at the bar/cafeteria. If no data is available, a rough projection must be made. For the coffee machine, for example, you could count all the used cups.



## List of consumption and hardware Year: 20XX

Description	Detail	Unit	20XX
Energy	Gas (Heating system/Warm water)	m <sup>3</sup>	
	Electricity	kWh	
	Air conditioning	kg	
Paper	Sheets A4	Pieces	
	Sheets A3	Pieces	
Toner	Service equipment (copying machines) (acceptance: 800g/cartridge) Consumption cartridges 2019: 7 black, 1 yellow, 1 navy blue	kg	
	In-house printers (Assumption: Ø 200g/cartridge) Consumption cartridges 2019: 135 cartridges	kg	
Water		m <sup>3</sup>	
Computer		Pieces	
Laptops		Pieces	
Server		Pieces	
Printer		Pieces	
Mobility	Train	km	
	Bus	km	
	City Bus (hydrogen/electric)	km	
	Car	km	



## Bar/cafeteria food service

Description	Detail	Unit	20XX
Food	Pizza	Pieces	
	Pasta/Meatdishes	Pieces	
	Breads	Pieces	
	Flourdishes	Pieces	
Beverages	Coffee	Pieces	
	Juices	Pieces	