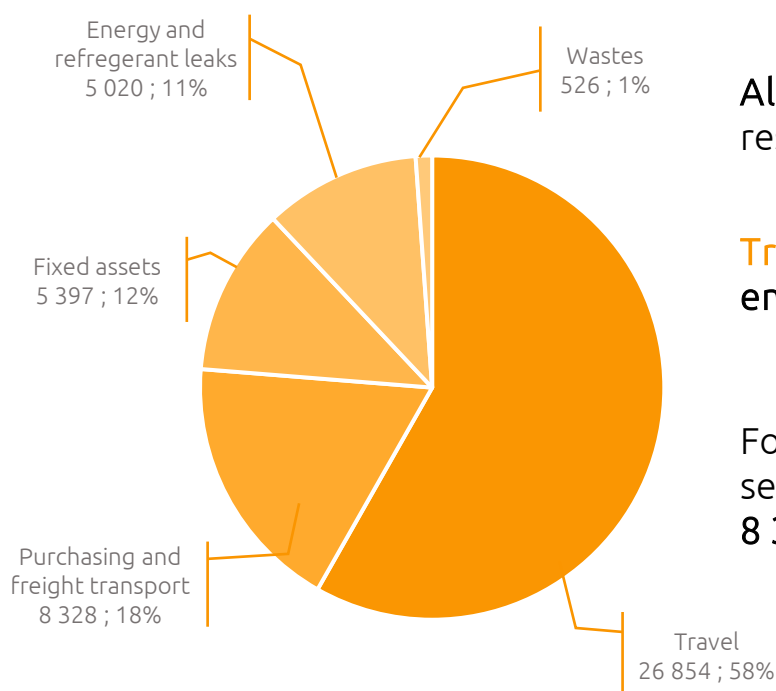


# UNIVERSITY OF CAEN NORMANDY'S CARBON FOOTPRINT

## KEY DATA – 2023 RESULTS BASED ON 2022 DATA

### Greenhouse gas (GHG) emissions by sector

2023 results based on 2022 data (tons of CO<sub>2</sub> equivalent, tCO<sub>2</sub>eq)



All of the university's activities resulted in emissions of **46 125 tCO<sub>2</sub>eq**.

**Travel** is the largest source of emissions, with 26 854 tCO<sub>2</sub>eq (**58 %**).

Followed by **purchasing** (goods et services) and **freight transport** with 8 328 tCO<sub>2</sub>eq (**18 %**).

### Greenhouse gas emissions by university statut



17 tCO<sub>2</sub>eq per FTE staff



1.6 tCO<sub>2</sub>eq per student

### Reduction targets



Reaching 35 000 tCO<sub>2</sub>eq by 2030



Training and raising awareness among the university community



Reduce the modal share of individual vehicles by 5 points by 2030 (from 45% to 40%)



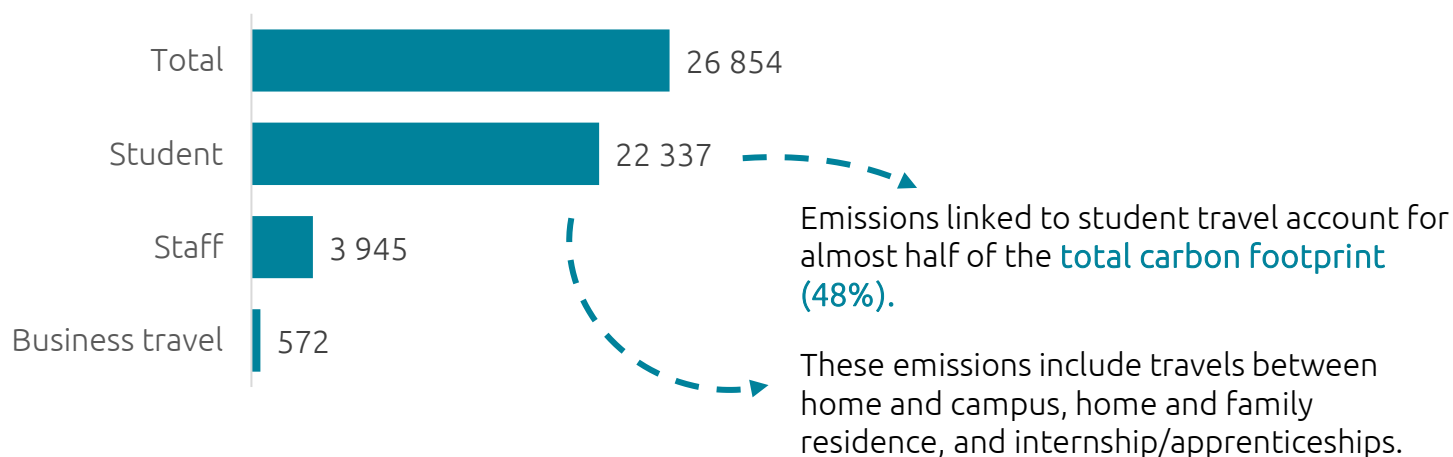
Helping research units calculate their GHG footprint and draw up their transition plan

# UNIVERSITY OF CAEN NORMANDY'S CARBON FOOTPRINT

## TRAVEL – 2022 DATA

### Greenhouse gas (GHG) emissions by travel

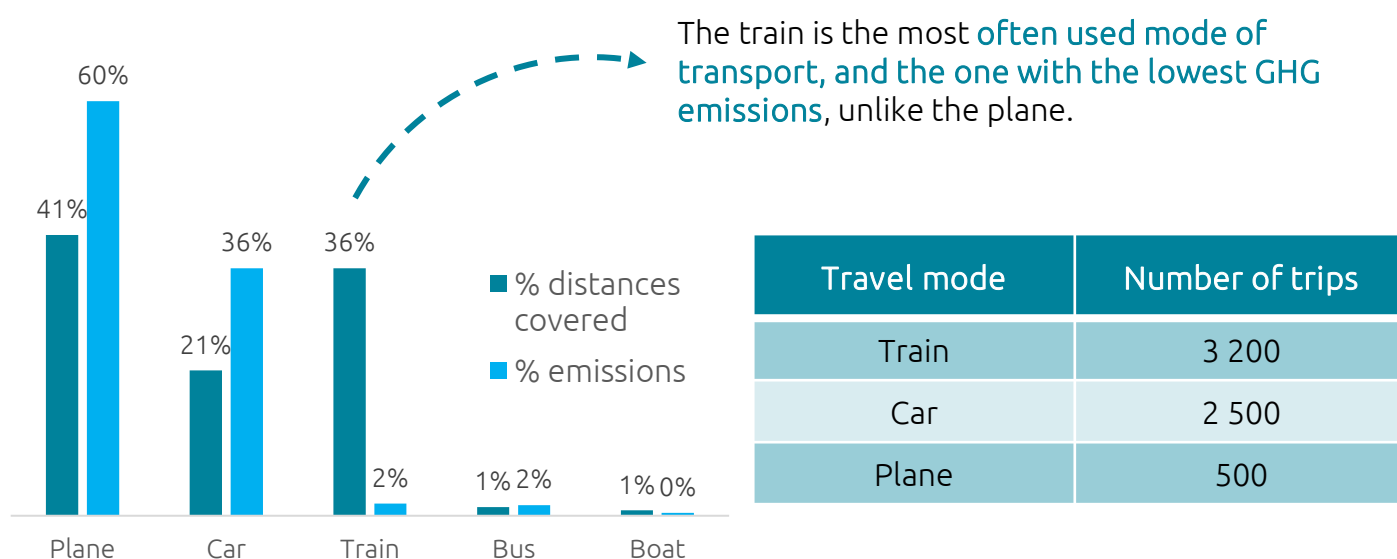
2023 results based on 2022 data (tons of CO<sub>2</sub> equivalent, tCO<sub>2</sub>eq)



A total of 165 905 500 kilometers traveled, or about 4 147 times around the Earth.

### Share of distances travelled and GHG emissions from business travel

2023 results based on 2022 data (%)

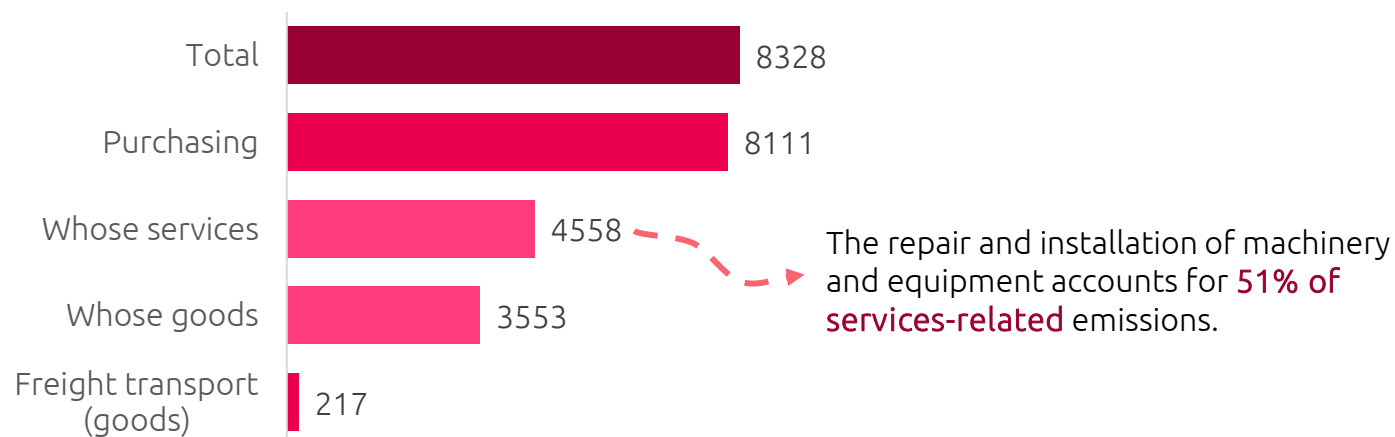


# UNIVERSITY OF CAEN NORMANDY'S CARBON FOOTPRINT

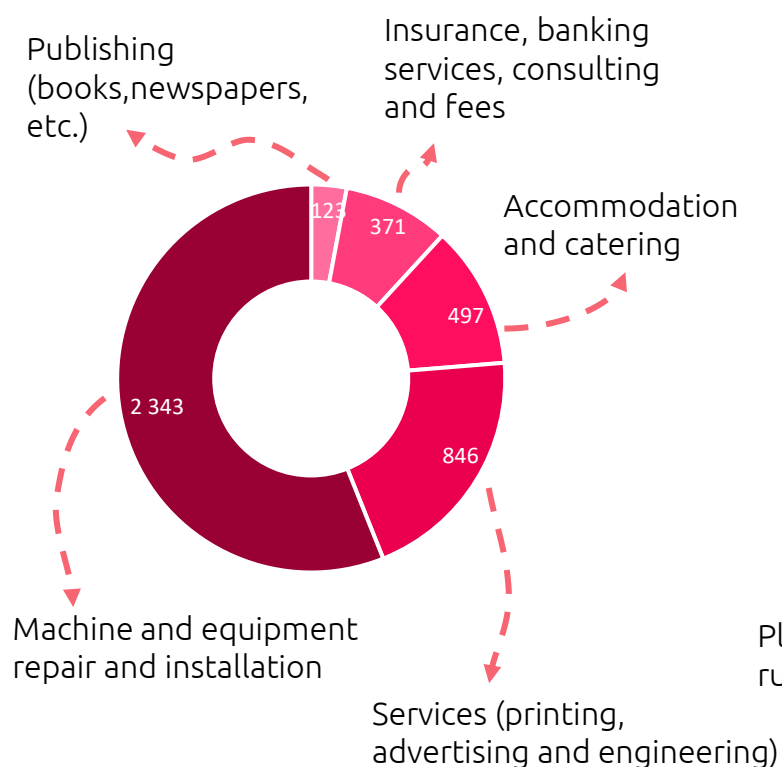
## PURCHASING AND FREIGHT TRANSPORT – 2022 DATA

### Greenhouse gas (GHG) emissions by purchasing and freight transport

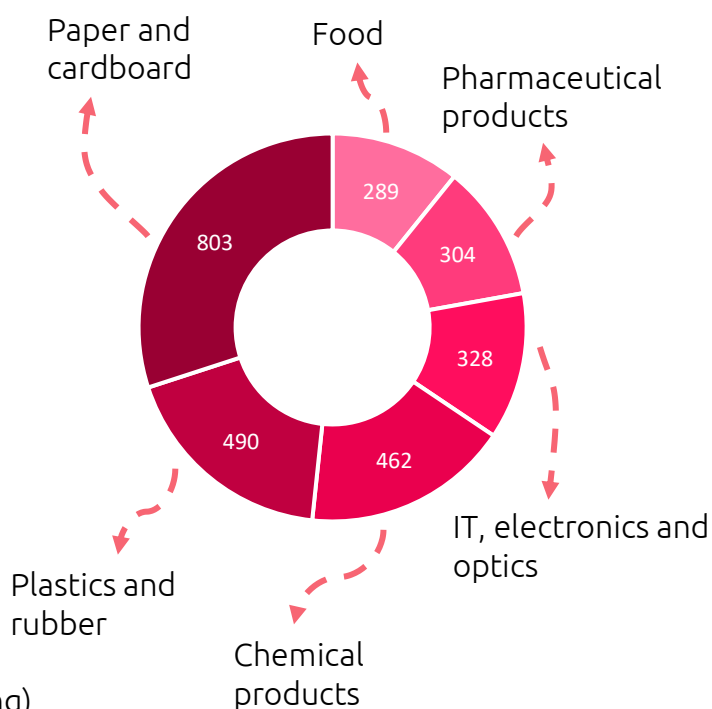
2023 results based on 2022 data (tons of CO<sub>2</sub> equivalent, tCO<sub>2</sub>eq)



### GHG emissions from services (in tCO<sub>2</sub>eq)



### GHG emissions from goods (in tCO<sub>2</sub>eq)

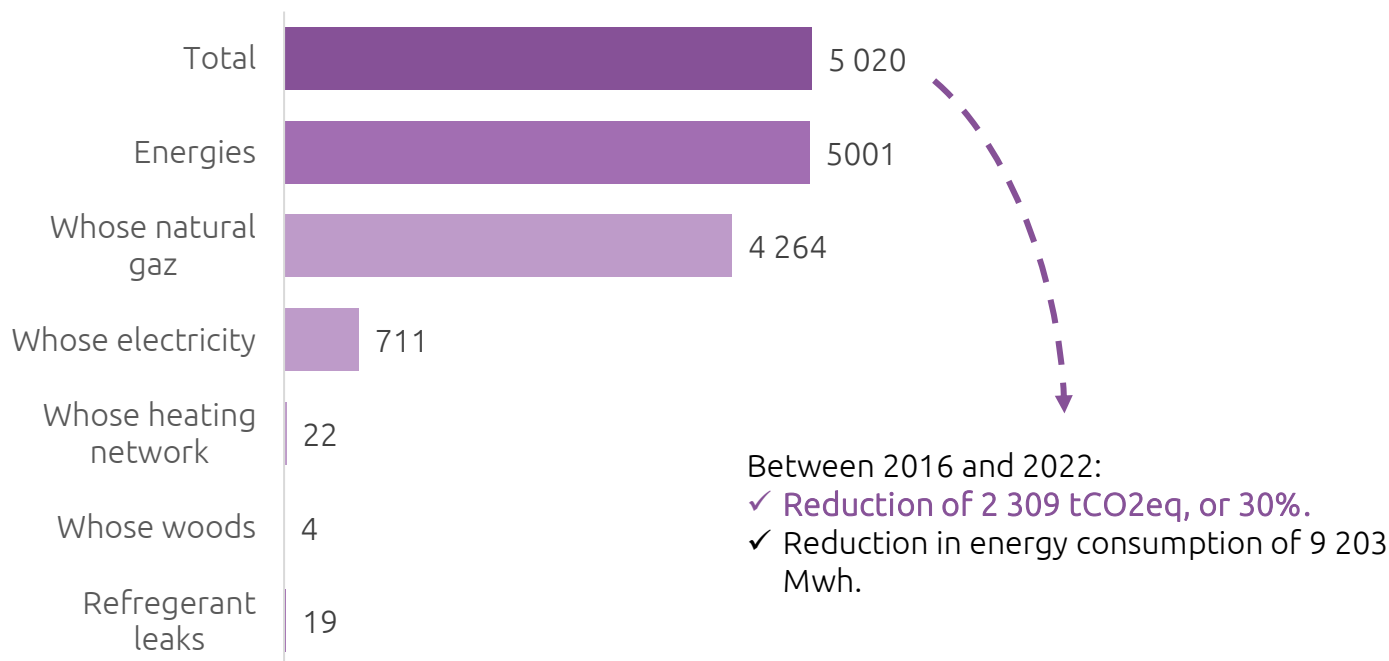


# UNIVERSITY OF CAEN NORMANDY'S CARBON FOOTPRINT

## ENERGY AND REFREGERANT LEAKS – 2022 DATA

### Greenhouse gas (GHG) emissions by energy and refrigerant leaks

2023 results based on 2022 data (ton of CO<sub>2</sub> equivalent, tCO<sub>2</sub>eq)



Energies	Consommation (kWh)	Ratio (kWh/m2.year)
Natural gaz	17 773 600	65
Electricity	13 662 000	50
Woods	259 000	0,9
Heating network	167 000	0,6

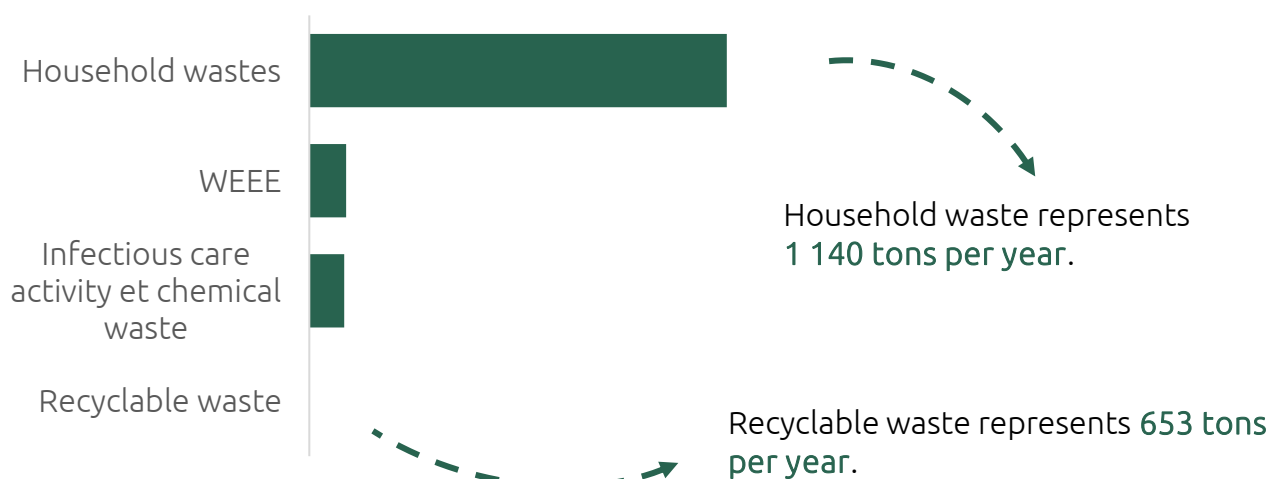
The average energy ratio is **116 kWh Ef/m2.year**.  
The average for the other 15 projects in the HER sector is **135 kWh Ef/m2.year**.

# UNIVERSITY OF CAEN NORMANDY'S CARBON FOOTPRINT

## WASTES – 2022 DATA

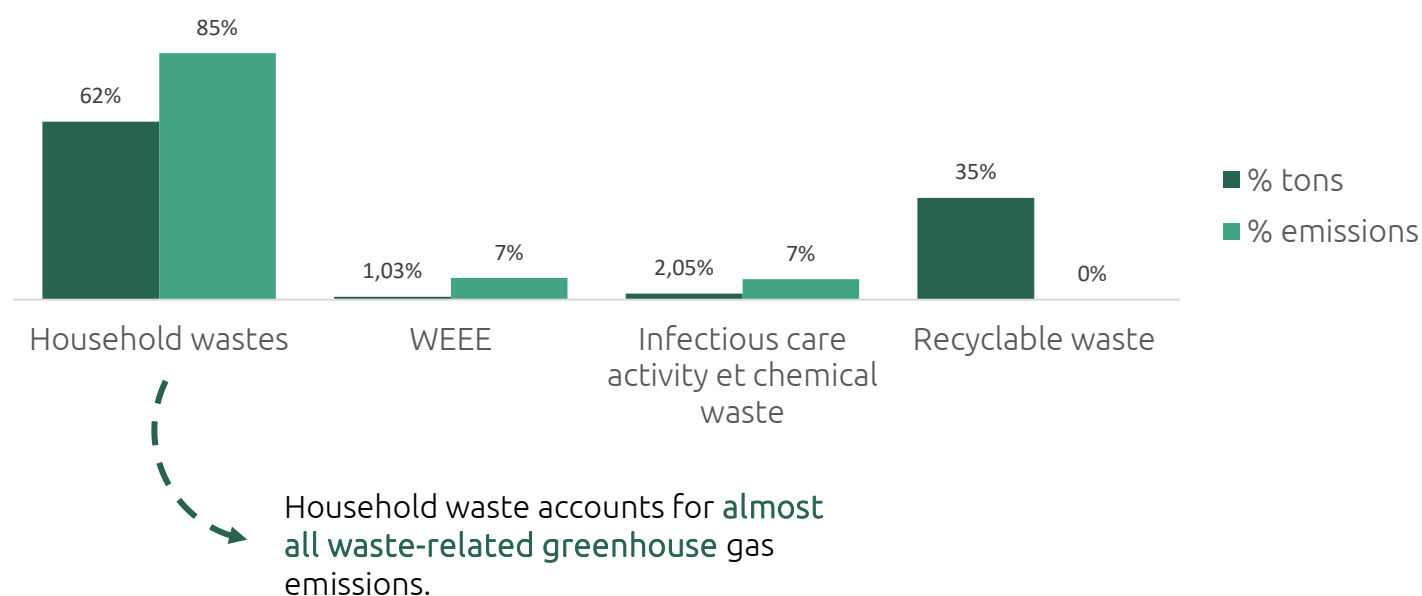
### Greenhouse gas (GHG) emissions by wastes

2023 results based on 2022 data (tons of CO<sub>2</sub> equivalent, tCO<sub>2</sub>eq)



### Share of tons and GHG emissions linked to waste (excluding wastewater)

2023 results based on 2022 data (%)



# UNIVERSITY OF CAEN NORMANDY'S CARBON FOOTPRINT

## STRATEGIC DOCUMENTS AND TRANSITION PLANS

### The SD&SER master plan



All of the actions to reduce the university's carbon footprint can be found in the master plan for sustainable development and social and environmental responsibility (SD&SER), adopted in October 2024.

Axes 4 and 5 bring together the university's strategic environmental objectives.

| [SD&SER master plan](#) (in English)

### Travels



In response to the results of the carbon footprint assessment related to travel, the university adopted a mobility plan comprising 26 actions, in March 2024 with a single objective: to reduce the modal share of private cars.

Among the actions chosen: campus development to encourage the use of soft mobility, awareness-raising workshops, communication to share all the existing alternatives, projects with local stakeholders, etc.

| [Mobility plan](#) (in French) – for a summary see objective 4.4 of the SD&SER (p.62)

### Energy consumption

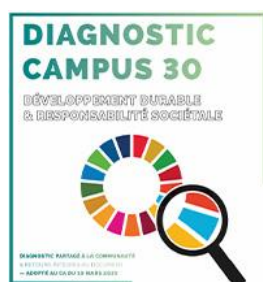


As part of the energy restrictions imposed at the end of 2022, the university has adopted a sufficiency plan comprising various actions to reduce energy consumption. These measures are still in place and efforts will continue in the years to come.

Current actions include replacing energy-guzzling lighting with LED equipment, running an eco-awareness campaign, sharing premises, etc.

| [Energy efficiency plan](#) (in French)

### SD&SR diagnosis



The DD&RS diagnosis provides an overview of the SD&SR strategy implemented up to 2023. Thanks to all the actions mentioned in this diagnosis, the university was awarded the DD&RS Label in June 2024. This diagnosis is the starting point for the DD&RSE master plan.

| [Diagnostic Campus 30](#) (in French)