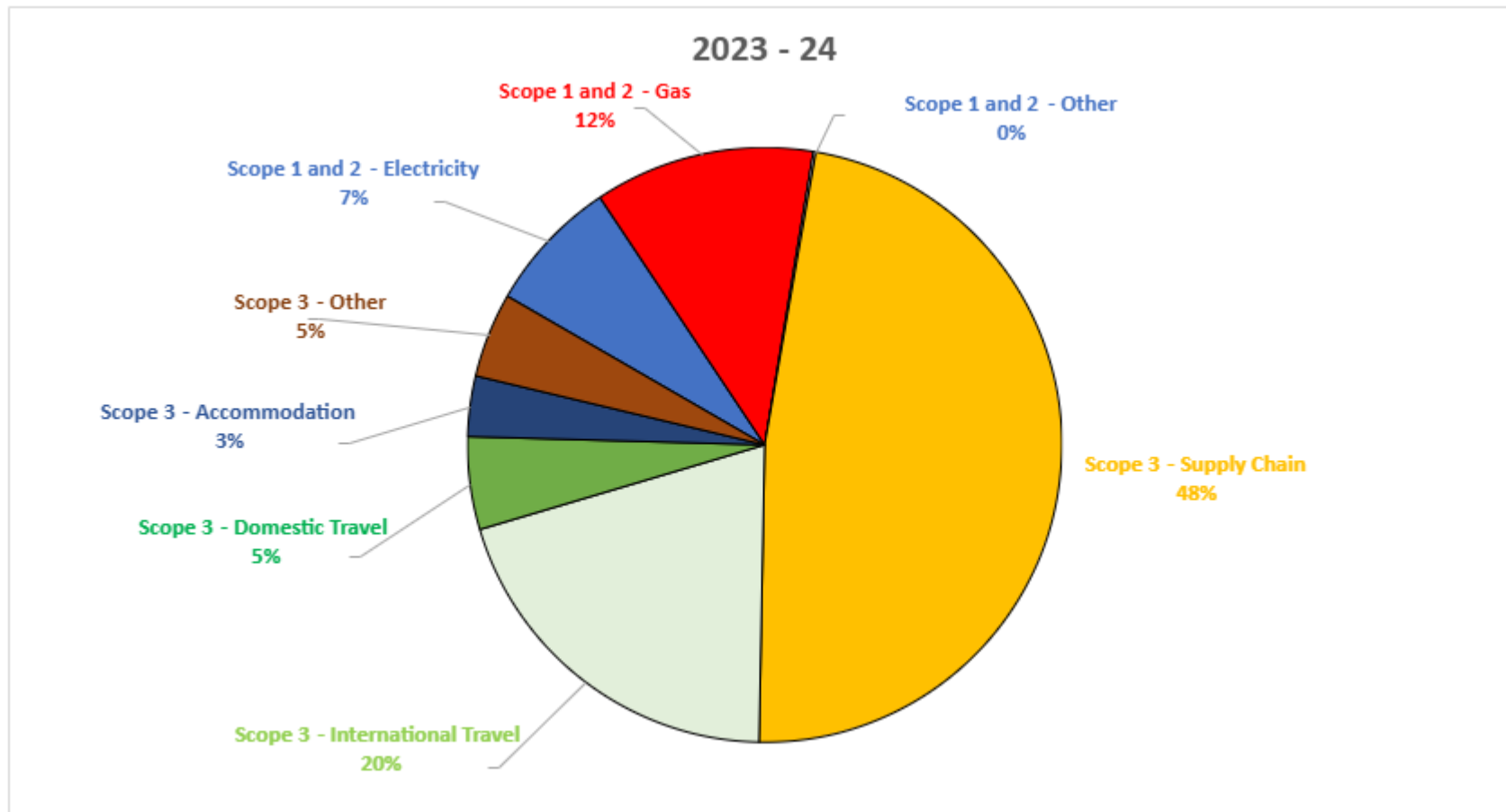


University of Kent Carbon Emissions 2023/24

Our full emissions footprint for 2022/23 was **49,991.4 tonnes CO₂eq**. This represents a 6.87% reduction compared to 2022/23. A breakdown of this total footprint by emissions source is given in the chart below. Full data for each emissions category can be found in the subsequent table



	Scope 1: Direct GHG Emissions	Description	2022/23 Total Emissions (tCO ₂ e)	2023/24 Total Emissions (tCO ₂ e)	% Change
1.01	Natural Gas - Canterbury	Combustion of natural gas in on-site boilers (Canterbury)	6,121.1	5,689.8	-7.05%
1.02	Natural Gas - Medway	Combustion of natural gas in on-site boilers (Medway)	267.0	191.2	-28.39%
1.03	Natural Gas - Shared Buildings	Combustion of natural gas in on-site boilers in buildings shared with other users	128.0	102.5	-19.92%
2023/24 Total Gas = 5,983.5 tonnes CO ₂ e Residential = 2,436.8 tonnes CO ₂ e Non-residential = 3,546.7 tonnes CO ₂ e					
1.04	Fleet (owned/operated)	Fuel (e.g. diesel, petrol) combusted in vehicles owned or leased by the organisation. This captures where the organisation purchases the fuel itself. To include any institution owned equipment e.g. tractors and farm equipment.	46.5	28.8	-38.06%
1.05	Refrigerants F Gas - Estates	Emissions from leakage of refrigerants where these have a Global Warming Potential (GWP) - Through main CSE F-Gas contractors	213.6	37.8	-82.29%
1.06	Refrigerants F Gas - Catering	Emissions from leakage of refrigerants where these have a Global Warming Potential (GWP) - Through catering kitchen F-Gas contractors	5.8	3.5	-39.14%

1.08	Other fuels	Combustion of other fuels (e.g. diesel) in owned or controlled premises e.g. used in generators	1.0	1.4	+36.00%
		TOTAL SCOPE 1	6,783.0	6,055.0	-10.73%
	Scope 2: Indirect GHG emissions		2022/23 Total Emissions (tCO₂e)	2023/24 Total Emissions (tCO₂e)	% Change
2.01	Purchased Electricity - Canterbury	Purchased electricity (Canterbury) i.e. fuel is combusted by another organisation but the energy created is purchased by the reporting organisation.	3,518.0	3,410.2	-3.06%
2.02	Purchased Electricity - Medway	Purchased electricity (Medway) i.e. fuel is combusted by another organisation but the energy created is purchased by the reporting organisation.	172.0	145.1	-15.64%
2.03	Purchased Electricity - Shared Buildings	Purchased electricity i.e. fuel is combusted by another organisation but the energy created is purchased by the reporting organisation In buildings shared with other users	112.0	101.1	-9.73%
2023/24 Total Electricity = 3,656.4 tonnes CO ₂ e Residential = 742.5 tonnes CO ₂ e Non-residential = 2,913.9 tonnes CO ₂ e					
		TOTAL SCOPE 2	3,802.0	3,656.4	-3.83%
	Scope 3: Other indirect GHG emissions		2022/23 Total Emissions (tCO₂e)	2023/24 Total Emissions (tCO₂e)	% Change

3.01	Purchased goods and services	Procurement (supply chain) emissions of goods and services purchased for the operation (operational expenditure -OPEX) of the organisation	25492	23767	-6.77%
3.02		Water procurement (supply chain) emissions of purchased water	54.0	44.08	-18.36%
3.04	Fuel- and energy-related activities	WTT emissions from Natural Gas (Scope 1). Upstream (supply chain) emissions reflecting emissions associated with getting fuel/energy to point of use (i.e. well-to-tank, transmission & distribution).	1,076.2	988.3	-8.17%
3.05	Fuel- and energy-related activities	WTT emissions for electricity (Scope 2) These are covered by the Transmission and Distribution (T&D) Scope 3 emissions linked to supply of Electricity	1,243.9	1,203.8	-3.22%
3.06	Fuel- and energy-related activities	WTT emissions from Fuel (Scope 1). Upstream (supply chain) emissions reflecting emissions associated with getting fuel/energy to point of use (i.e. well-to-tank, transmission & distribution).	11.3	6.8	-39.82%
3.08	Waste generated in operations	Disposal and treatment of waste and recycling	21.304	7.16	-66.39%
3.09		Disposal and treatment of Waste Water	58.5	50.8	-13.09%
3.10	Business Travel Emissions associated with transportation (and related, e.g. hotels) of employees for business-related activities.	Flights (Booked through Key Travel) inc WTT	1,402.4	824.99	-41.17%
3.11		Rail (Key Travel) inc WTT	37.2	35.72	-3.95%
3.12		Non-Key air and rail travel inc WTT	64.4	110	70.81%
3.13		Grey Fleet - Private Vehicles inc WTT	43.1	33.8	-21.58%
3.15		Taxi inc WTT	11.2	2.4	-78.57%
3.16		Coach	14.52	14.37	-1.02%
3.17		Campus Shuttle Service	241.7	249.38	3.17%
3.18		Hotels - Business	94.4	72.28	-23.40%

3.19	Employee Commuting	Staff Commuting - Emissions from transportation of employees between their homes and their	89.2	28.50	-68.05%
3.20		Staff homeworking - This also includes emissions associated with remote working	110.3	110.3	0.00%
3.22	Downstream transportation & distribution	Student day-to-day commuting - Transportation of students to the institution from their term-time address	1973.643	1973.643	0.00%
3.23		International Student Travel - Transportation of International students from country of origin to University at beginning and end of academic year	9,533.98	9225.68	-3.23%
3.24		Student end of term commuting - Transportation of UK based students to the institution from their home address	No data available	No data available	No data available
3.25		Student Accommodation - Student accommodation and halls of residence that are on-site but owned/managed by an external organisation (UPP)	1520.70	1531	0.68%
		TOTAL SCOPE 3	43,093.84	40,280.00	-6.53%
		TOTAL SCOPE 1,2 and 3	53,678.87	49,991.42	-6.87%