

Scope 3 Emissions

Through [Universities UK](#), the higher education sector has committed to “setting a target for Scope 3 emission reductions and other environmental targets beyond emissions” as well as “setting out how progress against these targets will be reported in a transparent, consistent, and understandable way”. We also signed the [Race to Zero](#) on 14th July 2021. This committed us to publishing a (net) zero carbon target for Scope 3 within one year of joining the declaration. We are currently in the process of setting our Scope 3 targets and these will be confirmed by August 2022.

We have collected some Scope 3 data for a number of years which is detailed on the following pages. We are currently working on a project to calculate the baseline for all 15 Scope 3 categories as well as emissions from working from home. This includes setting targets for these areas and will be complete by August 2022.

Scope 3 Data

Waste (including construction)

Target: TBC

Description	2019-20	Historical Data		
		2018-19	2017-18	2016-17
Total scope 3 carbon emissions from waste (t CO2e)	933	2,764	6,819	9,552

Water

Target: TBC

Description	2019-20	Historical Data		
		2018-19	2017-18	2016-17
Total scope 3 carbon emissions from wastewater treatment (t CO2e)	475	533	797	572
Non-residential scope 3 carbon emissions from water supply (t CO2e)	158	173	237	186
Residential scope 3 carbon emissions from water supply (t CO2e)	72	86	151	92
Total scope 3 carbon emissions from water supply (t CO2e)	231	259	387	278

Procurement (supply chain)

Target: TBC

Description	2019-20	Historical Data		
		2018-19	2017-18	2016-17
Scope 3 carbon emissions from supply chain business services (t CO2e)	47,599	37,623	36,831	36,318
Scope 3 carbon emissions from supply chain paper products (t CO2e)	2,385	5,775	7,606	7,583
Scope 3 carbon emissions from supply chain other manufactured products (t CO2e)	3,763	17,253	16,744	15,032
Scope 3 carbon emissions from supply chain manufactured fuels, chemicals, and gases (t CO2e)	555	10,422	6,902	7,277
Scope 3 carbon emissions from supply chain food and catering (t CO2e)	1,962	18,799	18,637	17,372
Scope 3 carbon emissions from supply chain construction (t CO2e)	70,550	151,070	121,010	69,066
Scope 3 carbon emissions from supply chain information and communication technologies (t CO2e)	54,970	20,417	22,792	17,189
Scope 3 carbon emissions from supply chain waste and water (t CO2e)	1,417	4,091	4,168	3,023
Scope 3 carbon emissions from supply chain medical and precision instruments (t CO2e)	129,943	25,052	30,274	18,372
Scope 3 carbon emissions from supply chain other procurement (t CO2e)	12,796	41,655	39,131	31,738
Scope 3 carbon emissions from supply chain unclassified (t CO2e)	22,757	34,891	3,757	6,051

Staff and student business trips e.g. flights to conferences and field trips

Target: Emissions from University air travel will not exceed 50% of the pre-pandemic level (2018/19)

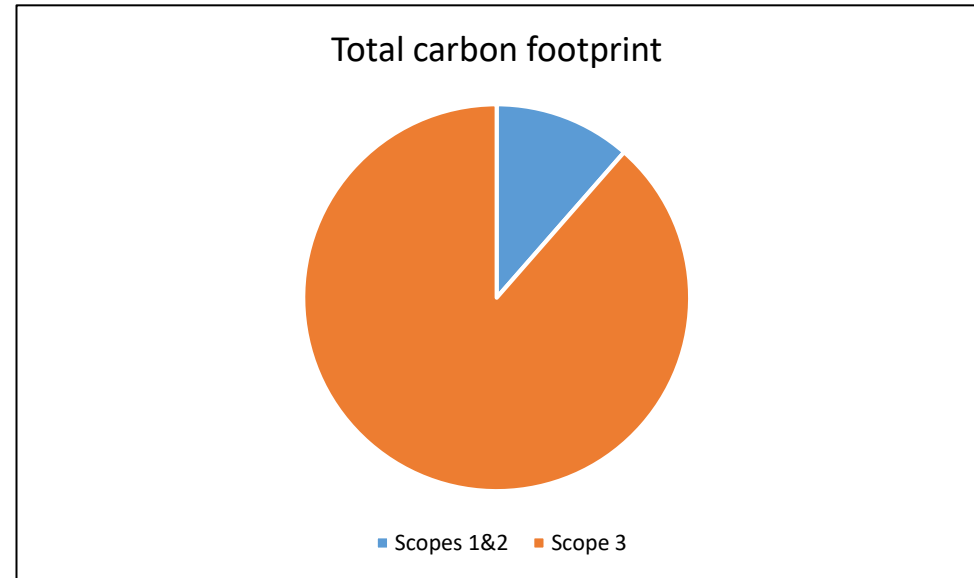
Description	2019-20	Historical Data		
		2018-19	2017-18	2016-17
Scope 3 carbon emissions from business travel air (t CO2e)	9,103	14,143	17,836	16,431
Scope 3 carbon emissions from business travel rail (t CO2e)	177	335	576	590
Scope 3 carbon emissions from business travel grey fleet (t CO2e)	210	397	387	314
Scope 3 carbon emissions from business travel leased buses (t CO2e)	74	127	127	127
Scope 3 carbon emissions from business travel public bus (t CO2e)	2	3	5	5
Scope 3 carbon emissions from business travel tram (t CO2e)	2	3	5	5
Scope 3 carbon emissions from business travel taxi (t CO2e)	29	50	56	60

Staff and students commuting to university on a daily basis Target: TBC

Description	2019-20	Historical Data		
		2018-19	2017-18	2016-17
Scope 3 carbon emissions from staff commuting by rail (t CO2e)	1,592	1,592	877	878
Scope 3 carbon emissions from staff commuting by trams (t CO2e)	186	186	64	64
Scope 3 carbon emissions from staff commuting by public bus (t CO2e)	939	939	1,116	1,116
Scope 3 carbon emissions from staff commuting by coach (t CO2e)	9	9		
Scope 3 carbon emissions from staff commuting by car (t CO2e)	4,633	4,633	3,838	3,838
Scope 3 carbon emissions from staff commuting by taxi (t CO2e)	17	17	16	16
Scope 3 carbon emissions from staff commuting by motorcycle or moped (t CO2e)	69	69	142	142
Scope 3 carbon emissions from students commuting by rail (t CO2e)	615	615	416	416
Scope 3 carbon emissions from students commuting by trams (t CO2e)	81	81	194	194
Scope 3 carbon emissions from students commuting by public bus (t CO2e)	1,726	1,726	2,232	2,232
Scope 3 carbon emissions from students commuting by coach (t CO2e)	8	8		
Scope 3 carbon emissions from students commuting by car (t CO2e)	890	890	150	150
Scope 3 carbon emissions from students commuting by taxi (t CO2e)	39	39	75	75
Scope 3 carbon emissions from students commuting by motorcycle or moped (t CO2e)	12	12	0	0

Total carbon footprint

Scope	Source	t CO ₂ e
Scopes 1&2	Electricity	22,711
Scopes 1&2	Gas	25,131
Scopes 1&2	Oil	3
Scopes 1&2	Fleet	104
Scope 3	Waste	933
Scope 3	Water	936
Scope 3	Procurement	348,696
Scope 3	Business travel	9,597
Scope 3	Commuting	10,816
Total		418,927



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