



IAPM
Interregional Academy of
Personnel Management



**GREENHOUSE
GAS PROTOCOL**

Report
on total SCOPE 1, 2 and SCOPE 3 carbon emissions
in tCO₂e of Interregional Academy of Personnel Management
according the GHG's protocols corporates in 2023 year

SCOPE 1

Type of emissions	Natural fuel (pellets) thousand tons	CO ₂ emissions per 1 thousand tons	Carbon emissions in tCO ₂ e
Direct air emissions from stationary sources owned by the Academy (biomass-fueled boilers)	0,720	4,68	3,370

The emissions were calculated based on the following equation in accordance with the [methodological recommendations for greenhouse gas emissions assessment approved by the order of the Ministry of Environmental Protection and Natural Resources of Ukraine No. 404 dated June 15, 2021](#).

Emissions (tCO₂e)= Quantity of Fuel Consumed(t) x Emissions factor for the fuel type (petrol) (tCO₂e/TeraJ) x Lower calorific value of the fuel type (petrol) (TeraJ/t)

Type of emissions	Quantity of Fuel Consumed(t)	Emissions factor for the fuel type (petrol) (tCO ₂ e/TeraJ)	Lower calorific value of the fuel type (petrol) (TeraJ/t)	Carbon emissions in tCO ₂ e
Fuel used in vehicles - petrol	4,567	60,3	0,0443	12,199

Thus, the total Scope 1 emission in 2023 for Interregional Academy of Personnel Management is 15,569 tCO₂e

SCOPE 2

Type of emissions	MW*h	Emission factor from electricity consumption from the national energy system of Ukraine (tCO ₂ e/MW*h)	Carbon emissions in tCO ₂ e
Utility services consumed - electricity	2122	0,504	1069

**Total SCOPE 1 and SCOPE 2
carbon emissions in tCO₂e**

	tCO ₂ e
Scope 1	3,370
	12,199
Scope 2	1069
Total	1084,569

Scope 3

Type of emissions	Carbon emissions in tCO ₂ e
Indirect emissions from commuting by staff, faculty, and students	165,297
Indirect emissions from usage of electronics	105,330
Indirect emissions from food wastage	12,112
Indirect emissions from waste treatment plants	4,753
Indirect emissions from paper waste	2,015
Total Scope 3	289,507

Calculation of indirect carbon emissions CO₂ according to the Scope 3 standard at the Interregional Academy of Personnel Management is calculated according to the [Technical Guidance for Calculating Scope 3 Emissions \(version 1.0\)](#)