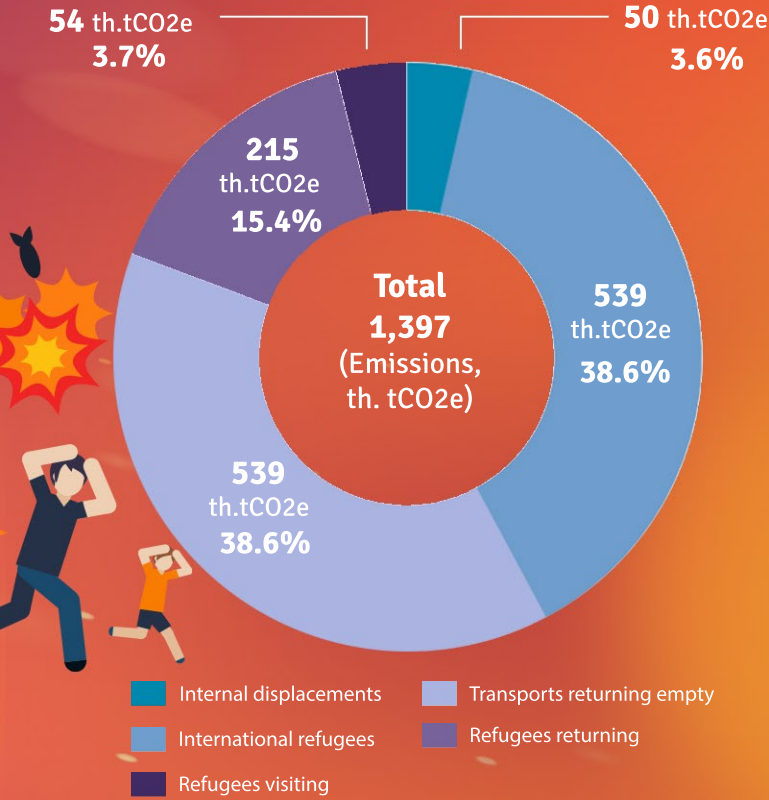


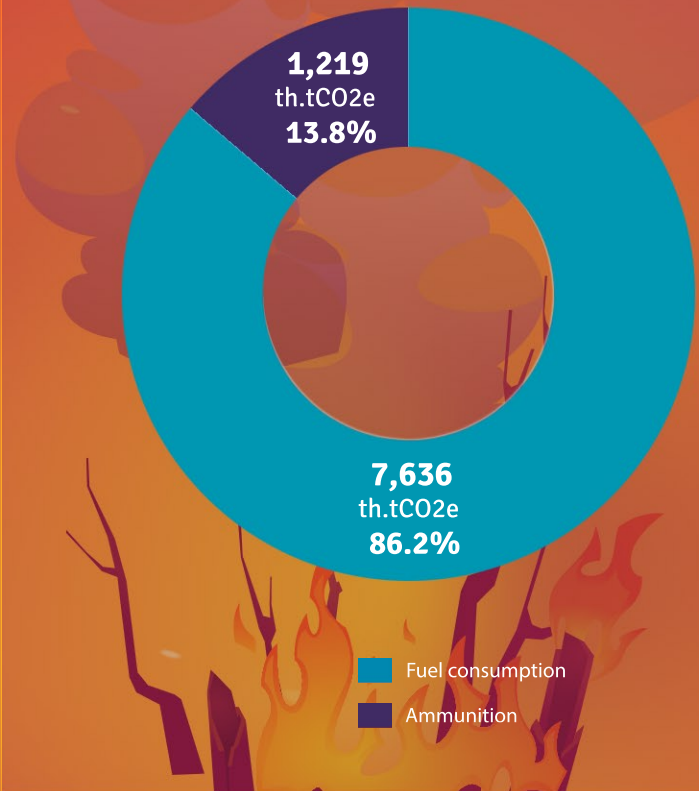
CLIMATE DEVASTATION BY RUSSIA'S
WAR IN UKRAINE

Compiled by Margareth Sembiring

Overview of GHG emissions from refugees and
Internally Displaced Persons (IDPs)
(Data as of October 2022)



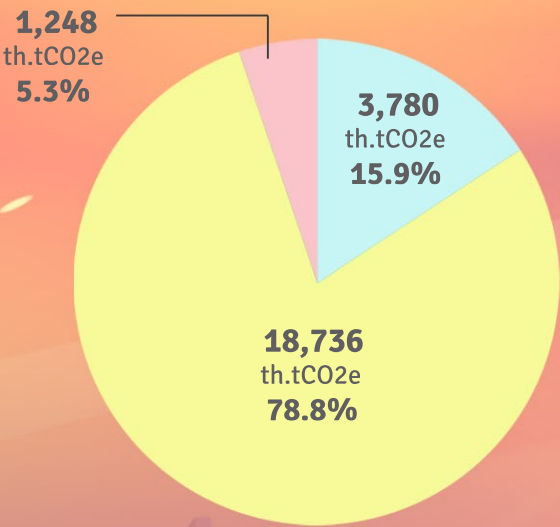
Distribution of GHG emissions for warfare
(Data as of October 2022)



Frontlines and Zone 1 (Blue), Zone 2 (yellow)
and Zone 3 (red)



Greenhouse gas emissions for 214 days of the war
Distribution from GHG emissions from fires
in the different zones



Overview of reconstruction emissions in the civilian sector for various categories
(Data as of September 2022)

ITEM	Emissions, th. tCO ₂ e	Emissions, %
Residential buildings	28,432	58,4
Social sector	1,055	2,2
Health care	96	0,2
Educational and science	2,232	4,6
Culture, religion, sports, and tourism	1,818	3,7
Infrastructure	6,006	12,3
Retail	814	1,7
Vehicles	2,448	5,0
Energy	1,314	2,7
Industry and business services	3,615	7,4
Utilities	840	1,7
TOTAL	48,670	100

Source: Lennard de Klerk, Anatolii Shmurak, Olga Gassan-Zade, Mykola Shlapak, Kyril Tomliak, and Adriaan Korthuis, 2022, Climate Damage Caused by Russia's War in Ukraine by Initiative on GHG accounting of war, <https://climatefocus.com/wp-content/uploads/2022/11/ClimateDamageinUkraine.pdf>