In the year of 2022, the Russian-Ukrainian war escalated on February 24 when Russia invaded Ukraine. After the Ukrainian revolution in 2014 the two countries have been at war, causing mass destruction, pollution, and damage to our climate. I don't think anyone can solve the idea and/or pursuit of war, but I can point out specific details and things we as humans use during the period of war that leaves world-damaging effects for generations to come. Topics such as irreversible damage to families, cities, civilians, and the earth's climate are all things we need to think about as a society. In this short essay, we are mainly trying to analyze the disproportionate effects and environmental effects these incidents can cause..



"There are inherent data gaps, but the observatory's researchers reckoned that in 2019, military emissions in the EU were equal to those of 14 million cars. And that was before the continent faced its biggest land war since 1945." **(Ukraine)** Considering we've had at least 4 months to produce even more emissions in the Russian-Ukraine war, including the emissions of weapon and missile productions, the transport of these items, the use of them, and the numerous burst gas, electric, water, and power plants during

the invasions. Not to mention the buildings, land, homes, and factories that have burnt down after being in the blast zone. All these issues combined makes for a detrimental addition to our earth's previous problems.

Along with the overwhelming amount of evidence from studies and production lists, these environmental issues lead to disproportionate outcomes on studies done around those countries. The people most affected by this war are no doubt the people of Ukraine, but specifically women and children are being disproportionately misplaced or becoming refugees, in turn being most impacted by the affects on the land and water pollution. According to Worldvision.org, "a Ukrainian child is displaced every second and one in every two kids have been misplaced to live on the streets." Many of these refugees have fled to surrounding countries including Poland, Slovakia, and Hungary. Of these refugees, 90% of the said 4.5 million people are women and children. A journalist who went to Ukraine last week, said of the invasion: "In my 31 years as a humanitarian, I have rarely seen so much damage caused in so little time." (Nearly) The disasters occuring overseas affect humans and our planet at the same time, and we affect each other; It's an endless cycle once it begins. Not only does this mean we have more heavily-populated areas that might not environmentally be prepared to sustain, but hundreds of thousands of people now need essential aid due to the environmental and direct

effects caused by the war. This heavily impacts civilizations and the emissions being put out into the atmosphere, and I think one thing we have captured from these studies and following these conflicts is how badly it affects the safety of families. Separation, relocation, loss of family homes and shared trauma. Over 15 million people being displaced (**Natalia**) is just the beginning to



this present day problem our world is facing. The Office of the High Commissioner for Human Rights (OHCHR) reported 4,966 civilian casualties between February 24 and April 18, 2022 — with 2,104 people killed, including 205 children — mostly resulting from explosive weapons in populated areas. These explosions and incidents, which have tallied to at least 20 since the war escalated, leave behind irreversible effects on our planet and the atmosphere protecting us, and ruin, damage, and end people's lives in the present day.

Sadly, on top of our climate change crisis we have now had three months of detrimental

war. Not only destroying land many people love, but disproportionately affecting women and children due to chain reactions of events. This chain reaction goes farther than just the large number of human disproportion, but affects our planet and the emissions we put out in almost every way possible. Fires, bombs, factory pollutions, ground and water contamination, and much more that hurts our earth while harming us at the same time.



Eckel, M. (2022, May 1). *Blasts, bombs, and drones: Amid carnage in Ukraine, a Shadow War on the Russian side of the border*. RadioFreeEurope/RadioLiberty. Retrieved June 6, 2022, from

https://www.rferl.org/a/ukraine-shadow-war-russian-border-attacks/31827632.html

Omer, S. (2022, May 12). Ukraine Crisis: Facts, faqs, and how to help. World Vision. Retrieved May 29, 2022, from

https://www.worldvision.org/disaster-relief-news-stories/ukraine-crisis-facts-faqs-and-how-t o-help

The Demography of War: Ukraine vs. Russia. Institute for Family Studies. (n.d.). Retrieved May 29, 2022, from <u>https://ifstudies.org/blog/the-demography-of-war-ukraine-vs-russia</u>

Ukraine is ground zero for the environmental impacts of war. Sierra Club. (2022, April 13). Retrieved June 6, 2022, from https://www.sierraclub.org/sierra/ukraine-ground-zero-for-environmental-impacts-war

Person, & Natalia Zinets, P. P. (2022, June 6). *Battle for Ukraine's Sievierodonetsk rages through City's streets*. Reuters. Retrieved June 6, 2022, from https://www.reuters.com/business/aerospace-defense/russia-strikes-kyiv-again-after-week s-putin-warns-west-missile-supplies-2022-06-06/

Snippet for readers before presentation

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