

THE CLIMATE INJUSTICE; WESTERN DISCOURSE AND THE WAR ON GAZA

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Research Paper:

The Climate Injustice; Western Discourse and the War on Gaza

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Overview

After the war in Ukraine, eyes widely opened towards assessing the impact of the war on people, economy, and environmental systems. The first climate damage assessment caused by a war was initiated addressing the Green House Emissions (GHG) emissions related to the Russia-Ukraine war by De Klerk, et al¹. The climate impact of military operations was addressed for the first-time during the 28th United Nations Climate Change Conference of the Parties (COP28) in Dubai, acknowledging that fragility and conflict increase people's vulnerability and exposure to climate hazards (COP28 2023)².

Highlighting that governments reporting GHG emissions to the United National Framework Convention on Climate Change (UNFCCC) is voluntary, therefore, governments wouldn't be obligated to report on their military activities or disclose methodologies of calculation³. Advocacy related to the Russia-Ukraine war led to initiating the first discussion on the military emissions at COP28⁴, and having the first conference on "*Military and Conflict GHG Emission from Understanding to Mitigation*" that was held in September 2023⁵. NATO mentioned that the institution will cut emissions of at least 45% by 2030, and to net zero by 2050⁶, noting this is meant for the organization, without providing clarity whether NATO is seeking the member countries to comply as so or not!

Correlating war emission to the climate crisis was precedent after Russia-Ukraine war; though once the genocidal war on Gaza erupted, few scholars started statistical work identifying the interim emissions of the ongoing war in/on the Gaza Strip, south of Palestine, driven by different goals and objectives. Such initiatives help in raising public awareness on the catastrophic impact of the ongoing war, where it is critically important for Palestinians to highlight the ecocide and its impacts including the climate ones, and especially after the COP

¹ De Klerk, Lennard, et al., "Climate damage caued by Russia'S war in Ukraine." *Climate Focucs* (November 2022). Accessed March, 2024. Website: <https://climatefocus.com/wp-content/uploads/2022/11/ClimateD>

² "COP28 declaration on climate, relief, recovery and peace". (December 2023). Accessed March 16, 2024. Website: <https://www.cop28.com/en/cop28-declaration-on-climate-relief-recovery-and-peace>.

³ Linsey Cottrell. "The military's contribution to climate change. Conflict and Environment Observatory "(30 November 2023). Accessed March 2, 2024. Website: <https://ceobs.org/the-militarys-contribution-to-climate-change/>

⁴ Doug Weir. "The climate costs of war and militaries can no longer be ignored." *The Guardian* . (9 January 2024). Accessed March 19, 2024. Website: <https://n9.cl/n2fpg>

⁵ "Military Emissions Gap Conference 2023: Military and Conflict GHG Emissions; From Understanding to Mitigation ". *Conflict and Environment Observatory* (14 August 2023). Accessed March 9, 2024. Website: <https://n9.cl/frykj>

⁶ Doug. "NATO won't say how it will count its carbon emissions."

side events discussions on military impact on climate, although it remains voluntary due the United States lobbying towards not obligating military emission reporting⁷.

The apartheid state, forcefully exploited the natural resources, destroyed ecological systems and denied Palestinians living under the occupation from reaching or utilizing their own resources for the past 76 years, although international community identifies the West Bank and Gaza only as the Occupied Palestinian Territories, evident exploitation of resources and restricting Palestinian from accessing those resources is considered a human right violation⁸.

As Palestine is vulnerable to climate impacts, adaptation to climate implementation action plans for six vulnerable sectors; agriculture, energy, health, transport, waste, and water were drafted in reference to the National Adaptation Plan (NAP)⁹. Palestine NDC report highlighted that the “Israeli” occupation substantially reduces the State of Palestine’s adaptive capacities thereby compounding climate vulnerabilities¹⁰. It’s important to note that Palestinian emissions are coming from transport and energy sectors mainly for household electricity consumption. Palestine doesn't have a military, nor is eligible by international treaties to have heavy military supplies. Worth mentioning that adaptation plans are not fully meant for combating climate impacts, but also to overcome the occupation theft and restrictions on access to the Palestinians natural resources.

The war on Gaza, had its share of the climate impact analysis and different publication aimed to shed light on the impact of the war from a different perspective, and applying different methodology to calculate emissions.

Awareness or Weaponizing the War Climate Emissions?

This section provides an analysis from different angles, the scientific methodology used in the analysis of the greenhouse gas emissions (GHG), addressed in Equivalent Carbon Dioxide (CO₂e) that generated during the genocidal war on Gaza, focusing on immediate impacts and context related to the genocidal war. Also, whether the ecological and environmental factors addressed in research, specifically the research brief by Neimark, et

⁷ Ibid

⁸ “Israel’s exploitation of Palestinian resources is human rights violation, says UN expert.” *OHCHR* (19 March 2019). Accessed March 9, 2024. Website: <https://n9.cl/j0g57>

⁹ “The State of Palestine’s First Nationally Determined Contributions (NDCs) “Updated Submission”.” October 2021. Accessed March 9, 2024. Website: https://unfccc.int/sites/default/files/NDC/2022-06/Updated%20NDC_%20State%20of%20Palestine_2021_FINAL.pdf.

¹⁰ Ibid

al, and the western climate discourse are politically neutral, or did it follow a pattern of bias against Palestine, and on global context, the colonized societies?

The scientific Methodologies. Prior analyzing the publications findings, it would be important to highlight the pre-war climate impacts. Palestine is vulnerable to climate change, where the “Israeli” occupation substantially reduces the Palestine’s adaptive capacities, thereby compounding climate vulnerabilities¹¹. Palestine’s contributions to global emissions are negligible, estimated to be (3.2) Mt CO₂e in 2011¹². On the other hand, “Israel” annual baseline emission was measured to be (79) MtCO₂e as in the year 2015¹³, reflecting waste, electricity generation, energy intensity, industry, and voluntary reporting on climate impacts of goods and services sectors, and identified an updated target to be 58 MtCO₂e, which corresponds to a reduction of (23) MtCO₂e or 29% of “Israel’s” total emissions by 2030¹⁴.

First, an article released mid-November, 2023 in the Jordan Times, by Tamimi, Shehadeh, and Otoom¹⁵ summarized the total CO₂e emissions resulting from various “Israeli” military activities including emission from (fuel consumption, ammunition, TNT usage, building demolition and reconstruction of civilian infrastructure) during the first 35-day conflict to be approximately (60.304) million tons CO₂e, and recommended to consider environmental factors in any recovery efforts.

Focusing the analysis on the Research Brief by Neimark, et al¹⁶ that was published on January 5th, 2024, and was highlighted by the Guardian¹⁷, and the Palestinian government agencies i.e., the Palestinian Environmental Quality Authority (EQA), the brief identified emissions resulting from the war machine on Gaza and “Israel”. It concluded that for the first two months of continuous army shelling on Gaza from air, sea, and land in addition to land invasion resulted in emissions greater than 20 individual countries¹⁸.

¹¹ Ibid

¹² Ibid

¹³ "Update of Israel'S nationally Determined Contribution under the Paris agreement." (July 2021). Accessed March 9, 2024. Website: <https://n9.cl/8o73kr>

¹⁴ Ibid

¹⁵ Mohammad Tamimi, Ali Shehadeh, and Mwaffaq Otoom "Gaza conflict's environmental toll: A surge in carbon emissions." (18 November 2023). Accessed March 2, 2024. Website: <https://n9.cl/wyj7ck>

¹⁶ Benjamin Neimark, et al., "A Multitemporal Snapshot of Greenhouse Gas Emissions from the Israel-Gaza Conflict". *SSRN* (January 5, 2024). Website: <https://ssrn.com/abstract=4684768> or <http://dx.doi.org/10.2139/ssrn.4684768>

¹⁷ Nina Lakhani. "Emissions from Israel's war in Gaza have 'immense' effect on climate catastrophe." *The Guardian* (9 January 2024). Accessed March 2, 2024. Website: <https://www.theguardian.com/world/2024/jan/09/emissions-gaza-israel-hamas-war-climate-change>.

¹⁸ Neimark et al. *A Multitemporal Snapshot of Greenhouse Gas Emissions*.

The research brief clearly stated the methodology is ad hoc and proposed assumptions of the resulting emissions of different military machine used in air, land and sea that was expected to be used by the “Israeli” army and the Palestinian Resistance during the events, considering emissions related to delivering the military equipment to “Israel”, the pre-war construction of tunnels, walls, in addition to the reconstruction of the demolished buildings, and provided recommendations for the next estimation.

Highlighting contextual factors in estimating the emissions weren’t addressed in the brief, including emissions resulting from destruction of the vegetation cover; where the occupation deliberately uprooted/burnt more than (50,000) trees/plants in Gaza City alone¹⁹. In addition to the significant impact associated to the massive destruction of concrete buildings, facilities, infrastructure, and (the dissipated organic solid waste, and wastewater), where only reconstruction was addressed in the brief, referring to the first article methodology in the calculation.

Considering the alarming number of destroyed building and the associated debris including; (290,000) partially damaged (up to 40%), and (70,000) fully damaged units until March 7th 2024²⁰, and the generation of approximately (22.93) million metric tons of debris resulted from the destruction of properties, mainly residential units, across the Gaza Strip²¹. Therefore, calculate emissions associated with destruction of buildings will be expected to be (252) million tons of CO₂e emissions, if the calculation considered the assumptions that every (1,000) metric ton of demolition waste will result in (110,000) kg (110 ton) of CO₂e emissions²², assigning that value to the debris amount (22,930,000) metric tons. On the other hand, the updated reconstruction related emissions would be (105.1) million tons CO₂e; resulting form (186,000)²³ destroyed unit multiplied to (565)²⁴ tons of CO₂e.

¹⁹ Municipality of Gaza (@munigaza), InfoGraphic of Damages after 150 of War. *Xplatform* (11 March 2024). Accessed March 11, 2024. Website: <https://x.com/munigaza/status/1767110965886403013?s=46>.

²⁰ UNOCHA. 2024. *Hostilities in the Gaza Strip and Israel - reported impact, 7 March 2024 at 15:00*. 7 March. Accessed March 11, 2024. Website: <https://www.unocha.org/publications/report/occupied-palestinian-territory/hostilities-gaza-strip-and-israel-reported-impact-7-march-2024-1500>

²¹ "Humanitarian Needs and Response Update | 27 February – 4 March 2024." *OCHA OPT* (8 March 2024). Accessed March 9, 2024. Website: <https://n9.cl/bh69a>.

²² Mohammad, "Gaza conflict's environmental toll".

²³ Estimation of the destroyed units $(70,000+290,000*0.4)$ (186,000)

²⁴ Mohammad, "Gaza conflict's environmental toll".

With regards to weapons supplies to the “Israeli” occupation emissions. where overseas shipments coming from the USA exceeded more than 100 shipments (one every 1.5 day)²⁵ after 150 days of war, in addition to military supplies coming from other countries are of great significance. The brief estimated (133,650) tons CO₂e²⁶ that accounted for 47.5% of the emissions resulting only from fuel consumption of the aircrafts missions associated for two months only. The brief also recommended further calculation of replenishment of supplies to both “Israel” and “Hamas”²⁷. But accounting for emissions resulting from the supply chain including (manufacturing, transport, and usage) is needed, considering that “Israel” so called defense spending increased by (8.3) billion USD dollars after the war²⁸, in addition to billions of dollars amount of military aid.

On the other hand, it’s important to highlight the massive oil supplies delivered to “Israel” during the genocidal war, according to an investigation by the Oil Change International that has been published in the Guardian²⁹, including (3) JP8 Jet fuel tankers from USA, in addition to crude oil [(1,440) kilotons (KT) from Azerbaijan, (600) KT from Kazack/Russia, (260) KT from Brazil], and (120) KT of vacuum gas oil (VGO) came from Russia. Further to smaller-unidentified amounts coming through Sumed pipeline³⁰. The associated emissions should be calculated in terms of extraction, transport, refining of the crude oil, in addition the usage in military operations.

The context; Neutrality or Unjust. The research brief equates between the “Israeli” war machine that overuse chemical, biological weapons against Palestinian humans and environment, as well threatened of using nuclear weapons to wipe Gaza Strip; to the Palestinian Resistance, who as every Palestinian in the Gaza Strip are surviving (i) under full siege for 16 years, (ii) under occupation that exploiting resources and impacting climate for 56 years, (iii) forcefully displaced from their homes in historic Palestine since the Nakba³¹, and aspiring for freedom by all means.

²⁵ Sharon Zhang. "Report: US Has Secretly Sent Israel Over 100 Weapons Shipments in Last 150 Days." *Truthout* (6 March 2024). Accessed March 14, 2024. Website: <https://truthout.org/articles/report-us-has-secretly-sent-israel-over-100-weapons-shipments-in-last-150-days/>.

²⁶ Neimark, "A Multitemporal Snapshot of Greenhouse Gas Emissions."

²⁷ Ibid, 13

²⁸ Galit Altstein, "Israel Sees Defense Spending Rising \$8 Billion as War Rages," *Bloomberg* (23 December 2023). Accessed March 9, 2023. Website: <https://www.bloomberg.com/news/articles/2023-12-25/israel-may-increase-defense-spending-by-8-billion-next-year>.

²⁹ Nina Lakahni, "Revealed: How the global oil industry is fueling Israel's war on Gaza." *The Guardian* (14 March 2024). Accessed March 15, 2024. Website: <https://www.theguardian.com/world/2024/mar/14/global-oil-industry-impact-israel-gaza-war>.

³⁰ Ibid

³¹ "Quick Facts: The Palestinian Nakba ("Catastrophe")" *IMEU* (5 April 2023). Accessed March 9, 2024. Website: <https://imeu.org/article/quick-facts-the-palestinian-nakba>

What is the basis for highlighting the climate impacts of the Palestinian resistance; which is estimated to result in (713) tons CO₂e emissions³², accounting for 0.25% of the immediate emissions; total of (281,315) tons CO₂e³³ from different types of artillery, bombing and delivery of bombing to “Israel”, which is absolutely insignificant compared to emissions from different war machines (“Israeli” bombing, tanks and vehicles, and Artillery³⁴) resulting in total (146,952) tons CO₂e (52.2%) of the total emissions. Noting that latest media updates state that the so-called defense spending increased by (8.3) billion USD dollars after the war³⁵, and more than (45,000) bomb explosives³⁶ were dropped on the Gaza Strip, compared to (10,000) in the brief³⁷, updating the emissions by applying extrapolation, resulting in more (30,000) tons CO₂e emissions, although further investigation should consider weapons types, compounds and weight.

Moreover, the brief addressed the emissions related to constructing the tunnels in one category with building the apartheid siege wall, associating their construction and use relevant to the current war, and justifying constructing the “Israel” Iron Wall to monitor movement and deter “ Hamas” fighters from entering “Israel”. The brief did not identify the wall as a tool of apartheid and blockade, preventing movement and access of 2.3 million Palestinians out/in Gaza for the past 16 years.

Associating the related factors, the brief had neglected the climate impact of previous five “Israeli” aggressions on the Gaza Strip the years 2008/2009, 2011, 2014, 2018, and 2021, where the Palestinians barely had weapons or artillery to defend their existence, or funds to reconstruct the demolished structures. Eliminating these past wars as a critical factor that is directly associated to the current war and the continued apartheid occupation, which if correctly factored will magnify the “Israeli” occupation impact on the level of GHG emissions, but also the associated pollution of water, soil, and air, and the deteriorating health impacts on Palestinians due the emissions, the pollution, the blockade, etc., leading to multi-layered prolonged catastrophe.

With regards to military emission accounting, the brief identified presence of army budget as “unknown” information for the Palestinian side, eliminating the contextual fact the Occupied Palestinian Territories is not

³² Neimark, “A Multitemporal Snapshot of Greenhouse Gas Emissions”.

³³ Ibid

³⁴ Ibid

³⁵ Itstein, Galit. “Israel Sees Defense Spending Rising \$8 Billion as War Rages.” *BNN Bloomberg* (25 December 2023) <https://n9.cl/az0upo>

³⁶ “Israel dropped 65,000 tonnes of bombs on Gaza in 89 days.” *MEMO* (4 January 2024). Accessed March 2, 2024. Website:

<https://www.middleeastmonitor.com/20240104-israel-dropped-65000-tonnes-of-bombs-on-gaza-in-89-days/>

³⁷ Neimark “A Multitemporal Snapshot of Greenhouse Gas Emissions”, 6-7.

allowed to have army, nor the resistance have advanced weapons, and theoretically, wouldn't have had weapons if there has been no prolonged occupation.

On the contrary, the unknown military emissions at the occupation side could be traced through military budgets and supply chain, where data collection and assumptions would have used a similar approach to what was mentioned in the brief, as the Occupation abuse the Paris Agreement articles by not reporting its military emissions to the UNFCCC³⁸, similarly the other countries providing Israel with military supplies.

On a different angle, the Western Academia Climate Discourse. Comparing the narrative on associating emissions under other conflicts and the military emissions reporting. First, under the Russia-Ukraine war case, while Ukraine has an official army and receives international military aid, and its military budget has been increased in defense spending to purchase more weapons and equipment (more drones, ammunition, missiles)³⁹. During the first Military Emissions Gap conference, Ukraine debated accounting its own emissions resulted from the Russia-Ukraine war on Russia⁴⁰, where the first military emissions conference highlighted that although accounting is needed it would be difficult for occupied territories⁴¹, with no specification of the countries under occupation.

Second, the conference brief highlighted that those emissions from US and UK military over history fluctuated over years⁴², without mentioning the associated military operations; related directly to erupting wars or indirectly to fueling and providing military supplies to conflict zones. The conference brief also highlighted a long-term decline in emissions; and associated that reduction to shifting from using coal as fuel to oil, and the change of fleets, it argued the need to shift focus to decarbonization technologies to reduce military emission, change strategies⁴³, the most astonishing recommendation was recruiting climate aware youth to improve the institutional reputation⁴⁴, rather than calling for peace initiatives, or calling for a human-right based accountability for country's military operations and personnel!

³⁸"Paris Agreement." *UNFCCC* (November 2015). Accessed March 24, 2024. Website:

https://unfccc.int/files/meetings/paris_nov_2015/application/pdf/paris_agreement_english_.pdf.

³⁹"Ukraine plans big rise in defence spending in 2024 draft budget." *Reuters* (15 September 2023). Accessed March 9, 2024. Website:

<https://www.reuters.com/world/europe/ukraine-plans-big-rise-defence-spending-2024-draft-budget-2023-09-15/>.

⁴⁰"Proceedings, Conference. 2023. *Military Emissions Gap Conference*".

⁴¹ Ibid

⁴² Ibid

⁴³ Ibid

⁴⁴ Ibid

While the western academia and industry are still discussing recruiting climate-aware military personnel, nonprofit organizations have been trying to expose the countries and oil companies complicit in supplying oil supplies to “Israel” to fuel the war, including; Azerbaijan, Kazakhstan, Russia, Brazil, Gabon and the US, and to a smaller extent via the Sumed pipeline supplied by Saudi Arabia, Egypt, Iraq and the United Arab Emirates (UAE). And BP, Chevron, ExxonMobil, Shell and Total Energies⁴⁵, and highlighted David Boyd, the United Nations special rapporteur on human rights and the environment; statement that all supplies to the “Israeli” military since the decision of the ICJ are contributing to horrible human rights violations and may be complicit in genocide⁴⁶.

A climate hypocrisy and greenwashing? The COP 29 will be held in Azerbaijan that supplied “Israel” with more than 1,440 (kt) of crude oil since October 2023⁴⁷, and while many of the mentioned oil and gas companies joined as signatories to reduce carbon emissions that accounts for 15% of the global emissions ((5.1) billion tons (Gt) CO₂e in 2022⁴⁸) to net zero by 2050n and curb methane emissions to net-zero by 2030, during the last COP⁴⁹.

Reflecting on the above, it is vital to clarify why would a minor impact of 0.25% of total emission resulting from missiles used by the Palestinian resistance been highlighted and factored into such a level of detail in an international academia publication. Why would the research brief justify the occupation pre-war actions, and normalize with the “Israeli” narrative, by justifying that those acts were aimed to “protect Israel” from resistance attacks and deter the indigenous people's resistance. Why would a research brief although mentions the human suffering, unjust to the Palestinians history under colonial regime and try in descriptive comparison to equate between impacts of the occupying forces and the nation living under occupation in the many examples depicted above, and more in its recommendations. Although the numbers say it all; negligible impacts. Why wouldn't the recent debate of the complexity in associating emissions to territories under occupation be highlighted for the Palestinian Occupied Territories, unless that was only meant for Ukraine.

⁴⁵ Lakahni Revealed: How the global oil industry is fueling Israel's war on Gaza."

⁴⁶ Ibid

⁴⁷ Ibid

⁴⁸ "Emissions from Oil and Gas Operations in Net Zero Transitions- A World Energy Outlook Special Report on the Oil and Gas Industry and COP28." *International Energy Agency*. (May 2023). Accessed March 14, 2024. Website: <https://n9.cl/ij0dq>.

⁴⁹ "COP28: Fifty oil and gas companies sign net zero, methane pledges." *Global, S&P* (2 December 2023). Accessed March 11, 2024. Website: <https://n9.cl/kiqhi>.

The current war exposed the undermined issue of drawing the picture of the immoral others, including the research brief allegations passed under such important factual findings meant to send an alarming message against the colonial regime's impact on the environment and climate.

One incident involving the Palestinian resistance are under the radar for its climate impacts. Although "Israel" has never been questioned about its human rights violations through its forceful exploitation of the natural resources, destruction of ecological systems and denying Palestinian from access to their resources⁵⁰, and the associated climatic impact on the Palestinian environment and people, one example is diverting the Jordan river to river build green city in the Negev, the Palestinian desert; destroying the Jordan river basin and ecosystem⁵¹, and destroying the desert and its indigenous people and ecosystems to build hi-tech water consuming cities. This specific case was praised by the EU Commission Director commemorating "Israel" establishment in April 2023⁵². And unfortunately, attracted scholars from all over the world, who as well facilitated normalization of the environment and water sciences, whether through joint programs or even through indirect academic collaboration. Surfing the internet will lead the reader to the many joint programs that are mainly involving European Universities. One of the many examples to raise, a case of climate change and nature resources fellowship that didn't disclose its indirect engagement with "Israeli" universities in the fellowship announcement and description, where the collaboration in activities or research finding occurs without prior information or consent of the participants⁵³!

While methodologies might be debatable, the contextual factors are not, this leads to the conclusion that the international academia are not neutral or apolitical in addressing ecological and environmental factors of conflicts, and having patterns of bias towards colonialism, and their own skin color hidden under neutrality. The research brief and the many examples above aligns with the finding of a recent paper published by Al-Marsad: "*From the beginning, intellectual institutions constituted a symbolic claim to rationality and truth, and they started forming these dualities and or adopting them and started to draw the picture of the immoral other;*

⁵⁰ "Israel's exploitation of Palestinian resources is human rights violation, says UN expert." *OHCHR* (19 March 2019). Accessed March 9, 2024. Website: <https://n9.cl/ps62x>

⁵¹ Smith, C. G. 1968. "The Disputed Waters of the Jordan." *Transactions of the Institute of British Geographers* (40): 111-228. Accessed March 9, 2024. Website: <https://www.jstor.org/stable/621572>

⁵² EU in Israel (@EUinIsrael), *X Platform*. 26 April 2023. Accessed March 9, 2024. Website: <https://twitter.com/EUinIsrael/status/1651088583644594177?lang=en>

⁵³ Q., H, interview by M. Mousa. 2024. *Researcher* (22 March 2024)

*the demagogue descending from the bottom of the human evolutionary ladder*⁵⁴. The paper confirmed as well that even modification in terminologies to reduce these tense facts were used over the years, the western academia is still supportive of the survival and continuation of colonial discourse, which has been seen in examples above, where the margin of freedom of expression ceiling wouldn't threaten the colonial discourse⁵⁵.

Dismantling Climate Injustice Narrative

It is important to ensure justice through addressing impacts and the source of impacts when evaluating the climate emissions related to the genocidal war on Gaza. While it is evident that the Palestinian related emissions are negligible and wouldn't even have been generated considering the root cause, though relevant emissions should not be accounted for in the upcoming studies.

Furthermore, the Palestinian academics and researchers shall engage in discussion to ensure building climate emission methodology that is sensitive to the Palestinian context, in terms of evaluating the climate impacts resulting from the genocidal war on Gaza. Methodology should at start identify the baseline for calculating emissions whether the continued siege since 2007 or before, but it would be important to clearly correlate this war emissions to the previous aggressions on Gaza. On the other hand, identify emissions resulting from massive destruction of the Gaza Strip including emissions from buildings demolition, the green cover uprooting, and the waste dissipation. Moreover, to clearly identify emissions related the military operations (bombs, tanks, vessels, strikes (from land, air, and the sea, and land operations, etc.), in addition to military aid (equipment, vehicles, oil) transport and supply chain direct and indirect impacts. Considering a multi-pronged approach in collecting data from various sources, cross-reference methodologies employed in different studies, and identifying common factors⁵⁶.

Being just and methodological in the emissions estimation is not the sole goal, rather it shall be considered a tool for accountability. The Occupation, and every country military supply aimed at supporting the Occupation in killing Palestinians and destroying the Palestinian environment during the genocidal war and specifically

⁵⁴ Hala Ali and Firas Jaber. "The Western Academic Institution and The Colonial Legacy: The Limits of Freedom!" *Al-Marsad* (13 January 2024) . Accessed March 11, 2024. Website: <https://www.almarsad.ps/en/content/publications/the-western-academic-institution-and-the-colonial-legacy-the-limits-of-freedom.html>.

⁵⁵ Ibid

⁵⁶ ResearchGate Question: "How to verify Methodologies of GHG Emission at Armed Conflict, considering no agreed or main and consistent factors to address?" (14 January 2024). Website: <https://n9.cl/r19jbs>

after the ICJ ruling, should be held accountable. The estimates providing evidence that the Occupation violates among all Palestinian human rights; the environment, a recognized human right; destroying the Palestinian atmosphere, water, and soil elevates to the level of Eco-side of the Palestinian environment in the Gaza Strip leaving it inhabitable, and correlating its prolonged health and socioeconomic impacts, should be used in building judicial case to the ICJ and International Criminal Court, other international forums including the UN Human Rights and Climate Conventions (UNFCCC).

Exposing the countries, the military and oil trade complicity with colonialism is a must. Hold the USA and the other countries and companies accountable for their supplies to the "Israeli" occupation, and their associated significant emission impact and human suffering. It is clear how these countries abuse the international environment and climate treaties, in addition to the International Humanitarian Law in favor of colonialism. It would be important to link the emissions to the country's commitment to the UNFCCC and expose their hypocrisy; submitting ambitious visions for reducing climate emissions in civilian sectors, educating the global south about the best technologies to adapt to climate change; except indigenous practices, but refuse to mandate military emissions reporting or revealing their methodologies; then contribute to fueling the genocidal war with military supplies and oil.

Highlighting that these countries are still rooted in colonialism, their indirect or direct engagement in conflicts around the world not only in Palestine, leads to an increase in emissions that should be associated to their countries emissions profiles and held accountable for them. Alerting that the increasing emissions caused by these countries keeps the global south, and mainly the islands and lowlands concerned about their nation's destiny due to climate impacts, if not concerned about their survival due to colonialism as well.

Finally, there is an immense need to alarm the faults in addressing the Palestinian narrative in the international academia and arena and advocating for Palestinian rights and environment. Putting facts in its moral perspective, exposing the hidden immoral values of the western academia and their colonial discourse and bias, that should be faced with indigenous and evident-based anti-colonial climate discourse. And more importantly to call the global north academic institutions to disassociate themselves of the colonial narrative, and of collaborating with colonial regimes education system.