



# THE MILITARY EMISSIONS GAP

**Communicating the need for better understanding of the military's contribution to climate change and action to be taken**

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Conflict and Environment Observatory - [www.ceobs.org](http://www.ceobs.org)





## Conflict and Environment Observatory

CEOBS is a UK charity working to increase the protection of people and ecosystems from the impact of armed conflicts and military activities

[www.ceobs.org](http://www.ceobs.org)



## Scientists for Global Responsibility

[www.sgr.org.uk](http://www.sgr.org.uk)



**The Minor Foundation**  
for Major Challenges

# Military GHG emissions?

- Academic research is limited
- UNFCCC data – omissions
- Uncertainty on military emission data
- Reporting and information gaps
- Performance of any military climate strategies and commitments?



**Governments: commit to meaningful military emissions cuts at COP26**

**Join our call for action**

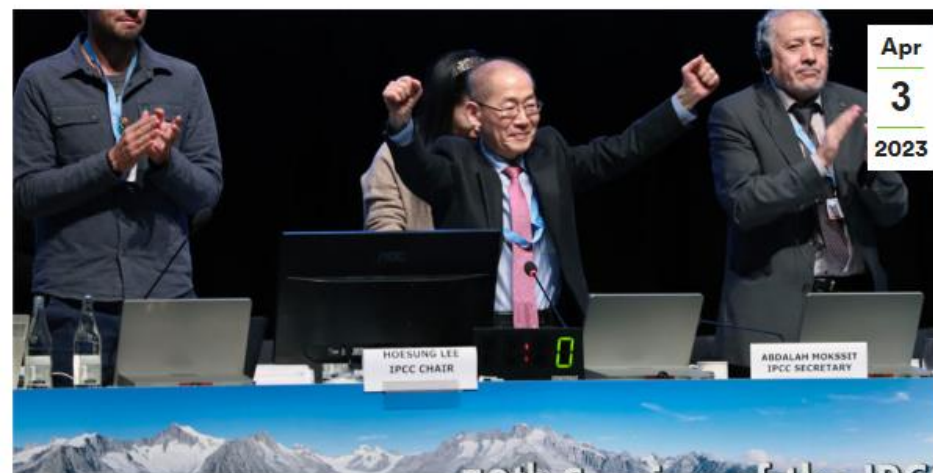
There are signs that some countries may pledge to reduce military greenhouse gas emissions at COP26 in November. This call sets out the scope of what these pledges should include and is open for signature by organisations before and during the COP.



# Data and research

- IPCC Synthesis Report, 2023
- Mitigation and adaptation plans not sufficient
- Need for immediate and deep reductions in GHG emissions
- Action across all sectors required
- Military ?

## AR6 Synthesis Report: Climate Change 2023



### The IPCC'S missing military emissions

The IPCC's failure to mention military or conflict emissions in its recent synthesis report points to a deeper problem. Ellie Kinney explains why solving it will require a concerted effort from states, researchers and civil society.





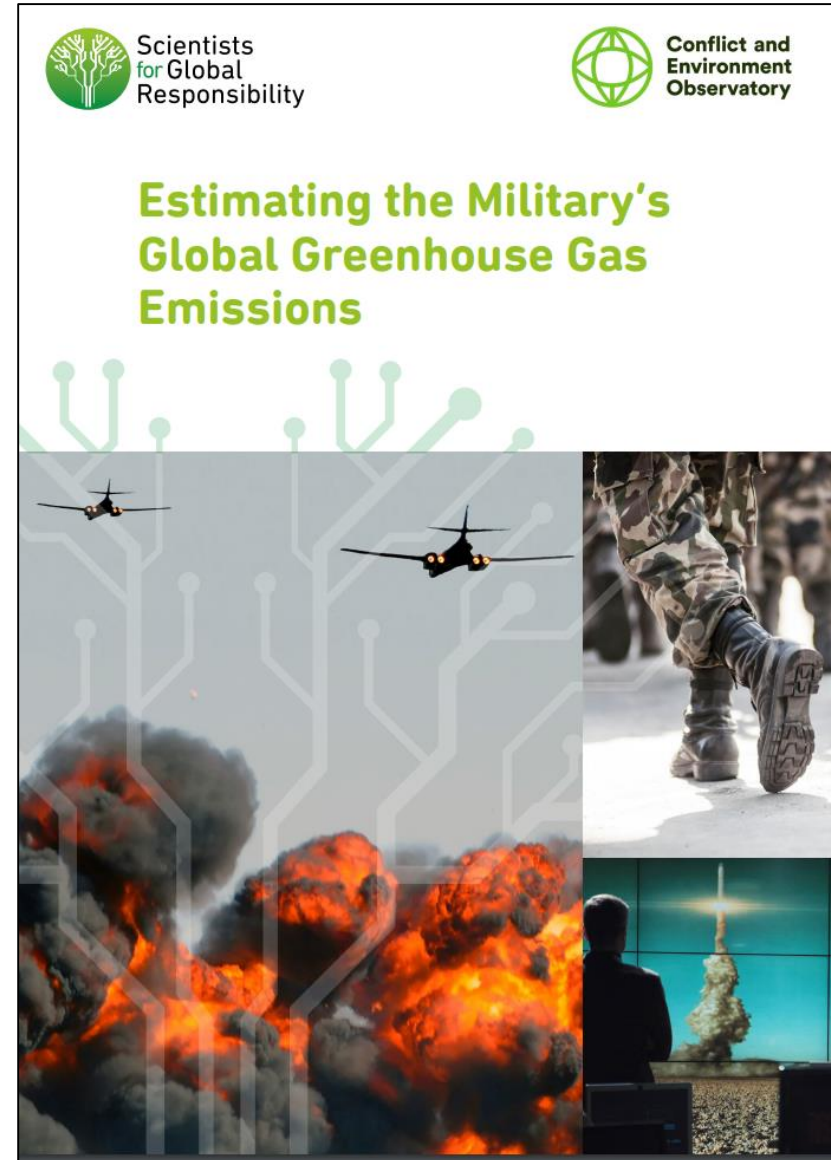
## Purpose

- Review of UNFCCC data submitted
- Help understand what is already being reported
- Where are the gaps?
- What needs to change?

## THE MILITARY EMISSIONS GAP

# Global contribution ?

- Estimate – based on ‘active’ military personnel numbers & ‘stationary’ emission
- Ratio of ‘stationary’ to mobile emissions
- Supply chain multiplier
- Estimate – **2,750** million tonnes CO<sub>2</sub>
- **5.5 %** of global total

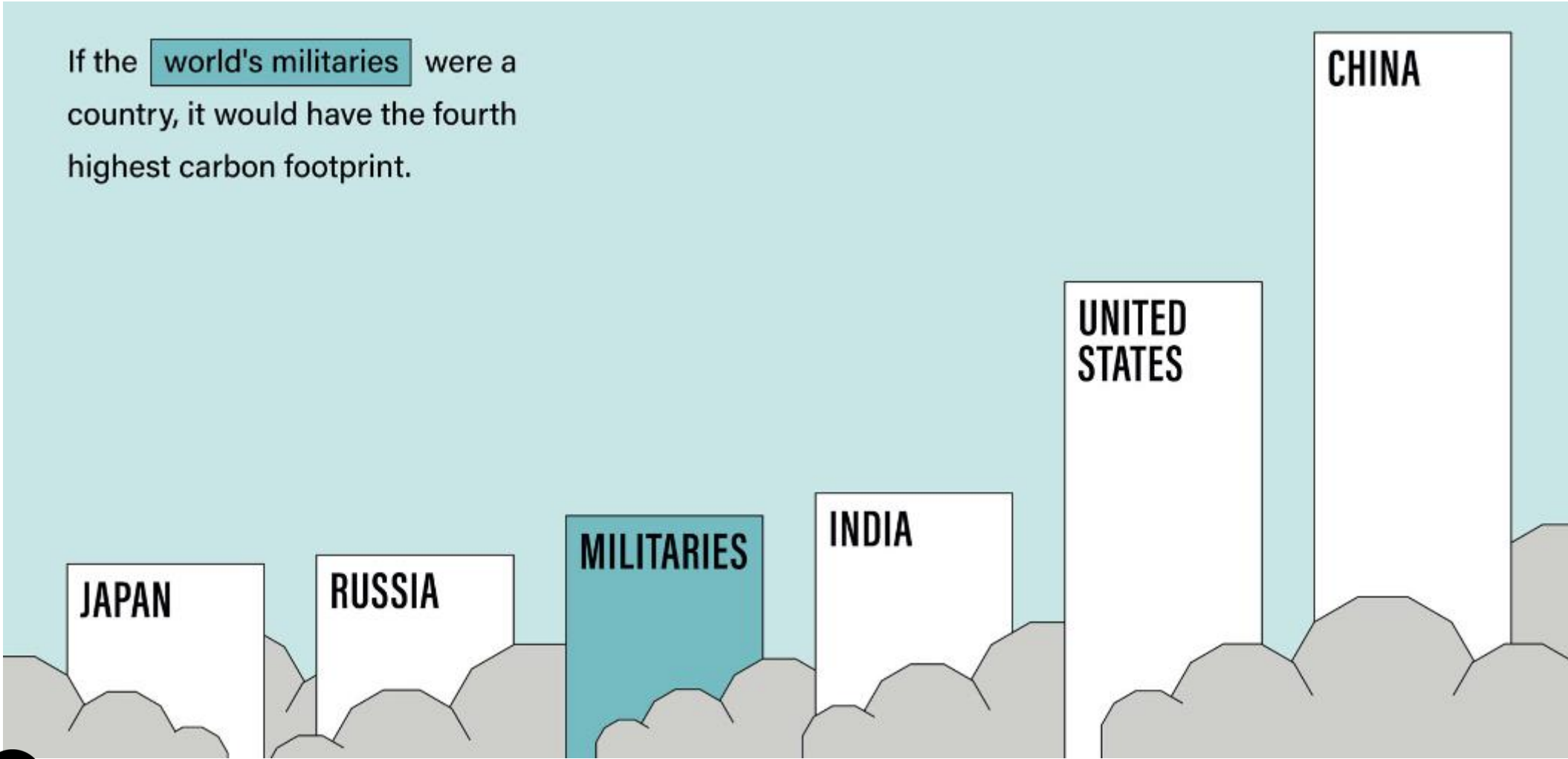


<https://tinyurl.com/cxp2edw9>



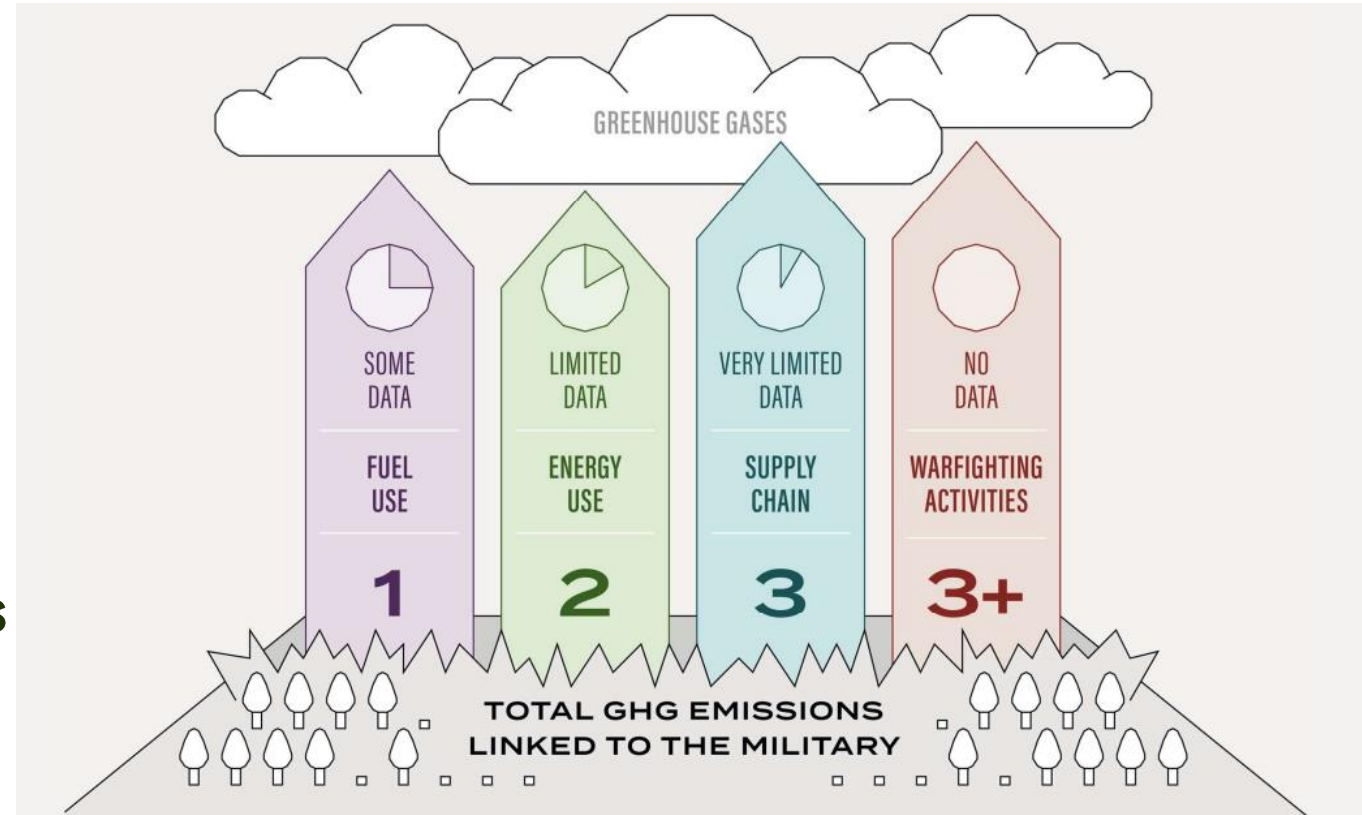
# Global contribution

If the **world's militaries** were a country, it would have the fourth highest carbon footprint.



# Military GHG emissions data

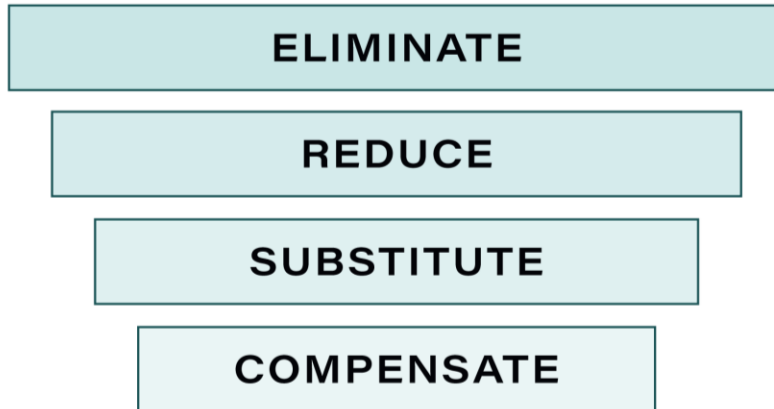
- Estimates based on available datasets
- Data is limited
- Supply chain – very limited
- Not included – warfighting
- Not included – aviation contrails





# Military GHG reporting needs

## Greenhouse gas management hierarchy



## Benefits of transparency in military greenhouse gas reporting

<b>TRANSPARENCY IN MILITARY GHG REPORTING</b>	Builds trust
	Motivates progress
	Increases accountability
	Can increase engagement
	Sharing good practice
Enables results to be compared	

## Greenhouse gas reporting framework essentials

<b>RELEVANT</b>	<b>COMPREHENSIVE</b>	<b>CONSISTENT</b>	<b>ACCURATE</b>	<b>TRANSPARENT</b>
Relevant data and assessment methods are to be used.	All life cycle GHG emissions which provide a material contribution are to be included.	Use consistent data sources and methodologies to allow emissions comparisons.	GHG emissions quantification should be as robust as possible, with uncertainties minimised.	Information should be available on the methodology and data sources used and any relevant assumptions.



### GHG emissions from military fuel and energy use:

SCOPES 1 2



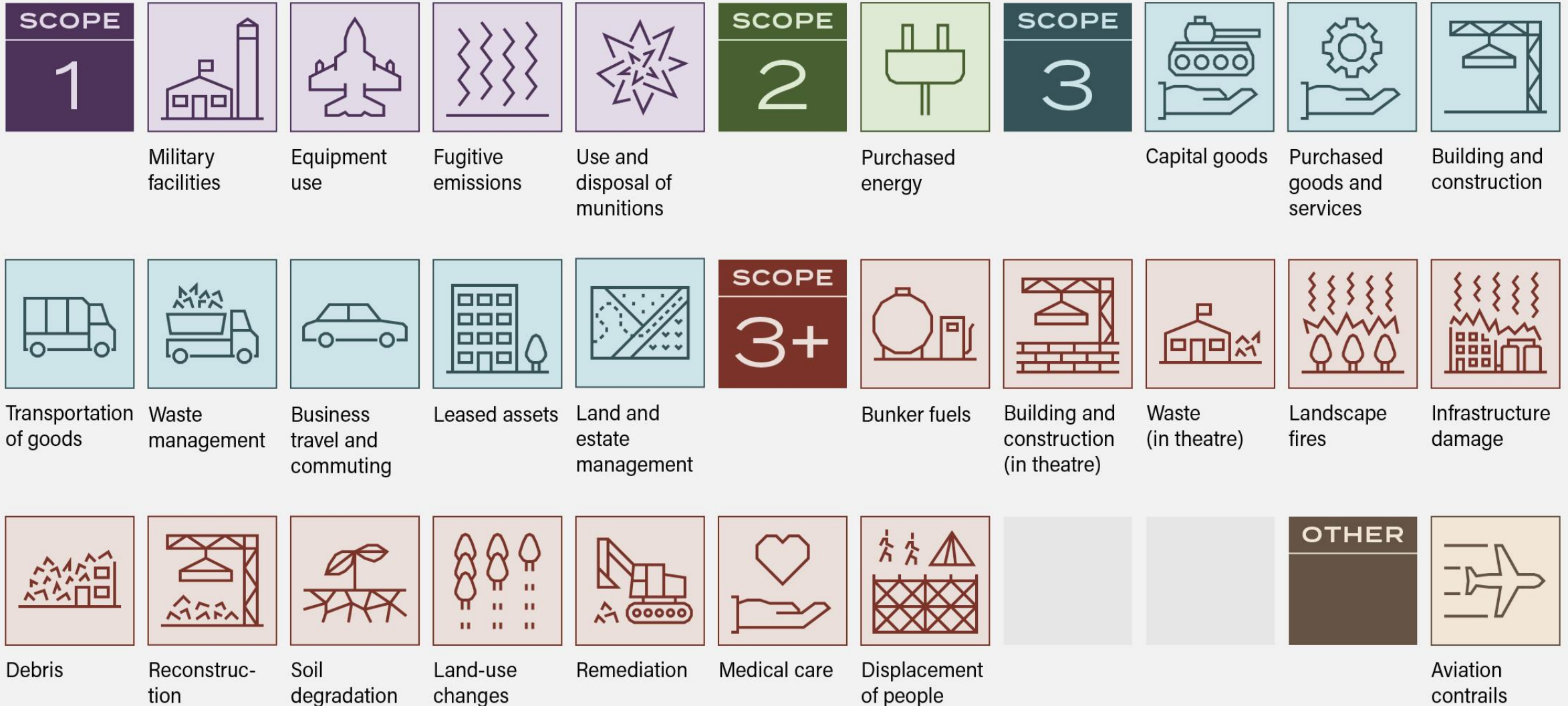
### GHG emissions from military supply chain and procurement:

- Waste management
- Telecommunications
- Health and welfare
- Construction
- Logistics
- Facility management
- Military technology, equipment and munitions
- Private security
- Maintenance
- Catering
- Office supplies

### SCOPE 3



# Proposed scopes of military greenhouse gas emissions



# Communication



# Action needed

- All sectors must response to the climate crisis, including the military
- Transparency and improvements in reporting and data critical
- Emissions need addressing under UNFCCC and the Global Stocktake 2023
- Be curious - check your government's reporting - [www.militaryemissions.org](http://www.militaryemissions.org)
- Tools and checklist – [www.ceobs.org](http://www.ceobs.org)
- Research.....



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# Thank you

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## Conflict and Environment Observatory

**CEOBS is a UK charity working to increase the protection of people and ecosystems from the impact of armed conflicts and military activities.**

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