

DGAP

CLIMATE CHANGE, HUMAN SECURITY AND GREEN RECOVERY

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German Council on Foreign Relations

30th OSCE Economic and Environmental Forum:
Promoting security and stability in the OSCE area through sustainable economic recovery from the COVID-19 pandemic, 23.05.2022

Parallel Crises Demanding Political Attention & Sustainable Solutions

**Covid-19 Pandemic:
Wildlife Consumption**



Bat, © Anton 17 CC BY-SA 4.0,
[commons.wikimedia.org/wiki/File:Lesser_short-nosed_fruit_bat_\(Cynopterus_brachyotis\).jpg](https://commons.wikimedia.org/wiki/File:Lesser_short-nosed_fruit_bat_(Cynopterus_brachyotis).jpg)



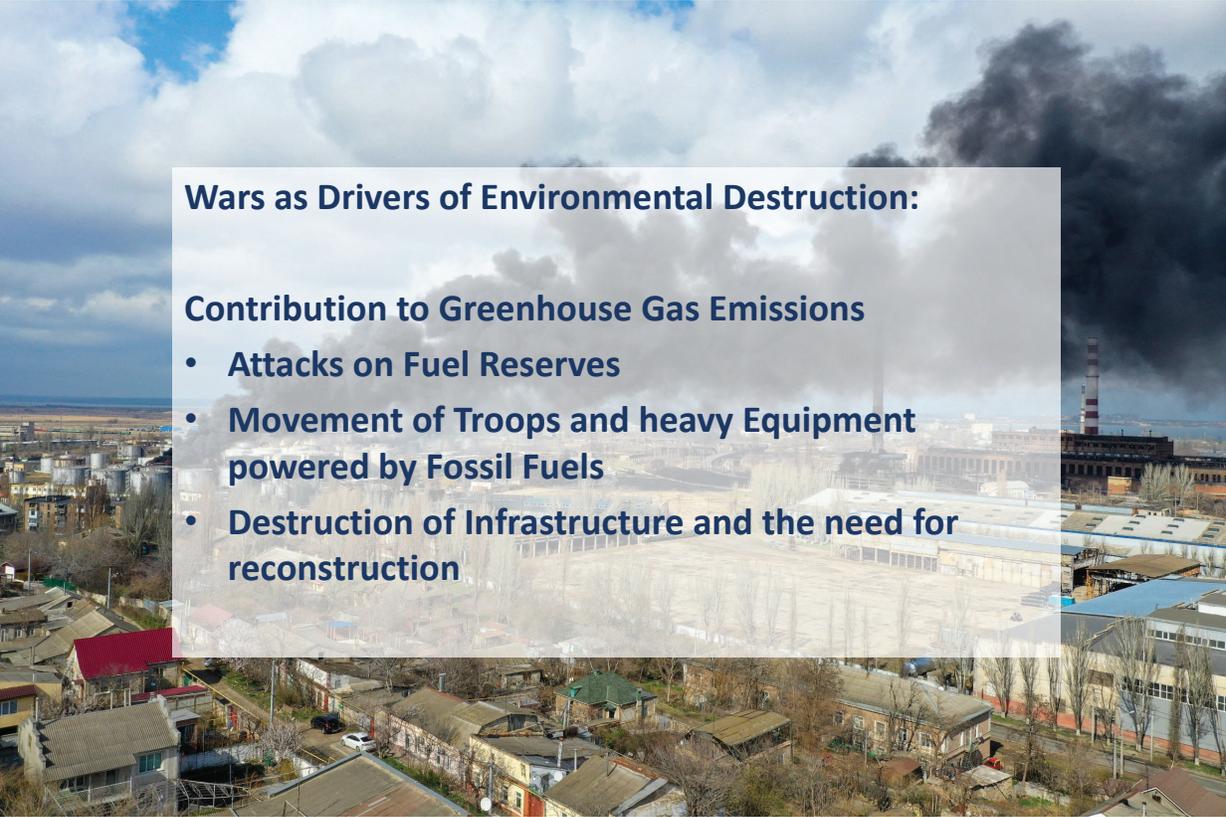
Open Pit Mining Garzweiler, Germany, ©Raimond Spekking / CC BY-SA 4.0, commons.wikimedia.org/wiki/File:Tagebau_Garzweiler_Panorama_2005.jpg, cropped for presentation

**War against Ukraine:
Driver of Ecosystem Loss**



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**Climate Change:
Fossil Fuel Usage**



Wars as Drivers of Environmental Destruction:

Contribution to Greenhouse Gas Emissions

- **Attacks on Fuel Reserves**
- **Movement of Troops and heavy Equipment powered by Fossil Fuels**
- **Destruction of Infrastructure and the need for reconstruction**

Russian Missiles hit fuel reserves in Odessa, 2022. © IMAGO / Le Pictorium



Wars as Drivers of Environmental Destruction:

Local Environmental Effects

- **Toxic Remnants of Ammunition**
- **Attacks on Industrial and Chemical Plants**
- **Destruction of Agricultural Land and Forests, Contributing to species Loss, Soil Degradation
Freshwater Contamination**

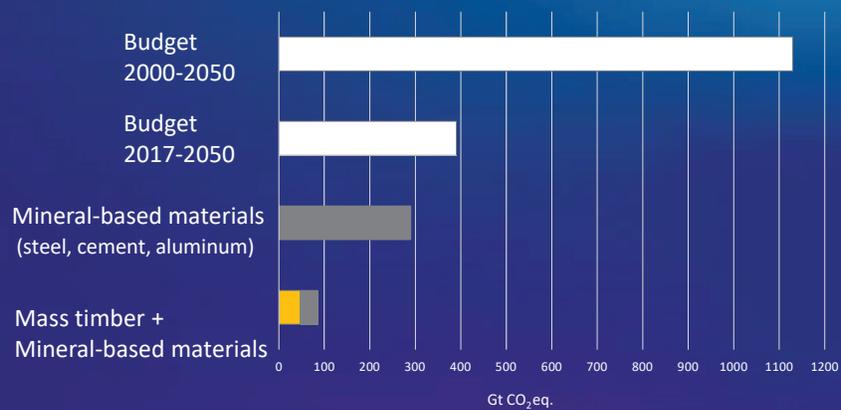
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Climate Mainstreaming: Green Reconstruction?



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Carbon Budget and Construction



IPCC 2014, Olivier et al. 2017, Müller et al. 2013

Buildings as a global carbon sink

Galina Churkina , Alan Organschi, Christopher P. O. Reyer, Andrew Ruff, Kira Vinke, Zhu Liu, Barbara K. Reck, T. E. Graedel & Hans Joachim Schellnhuber

