

**GLCb2020  
Environmental  
threats and  
security**

**Environmental security in the era of  
climate change**

**March 16, 2023  
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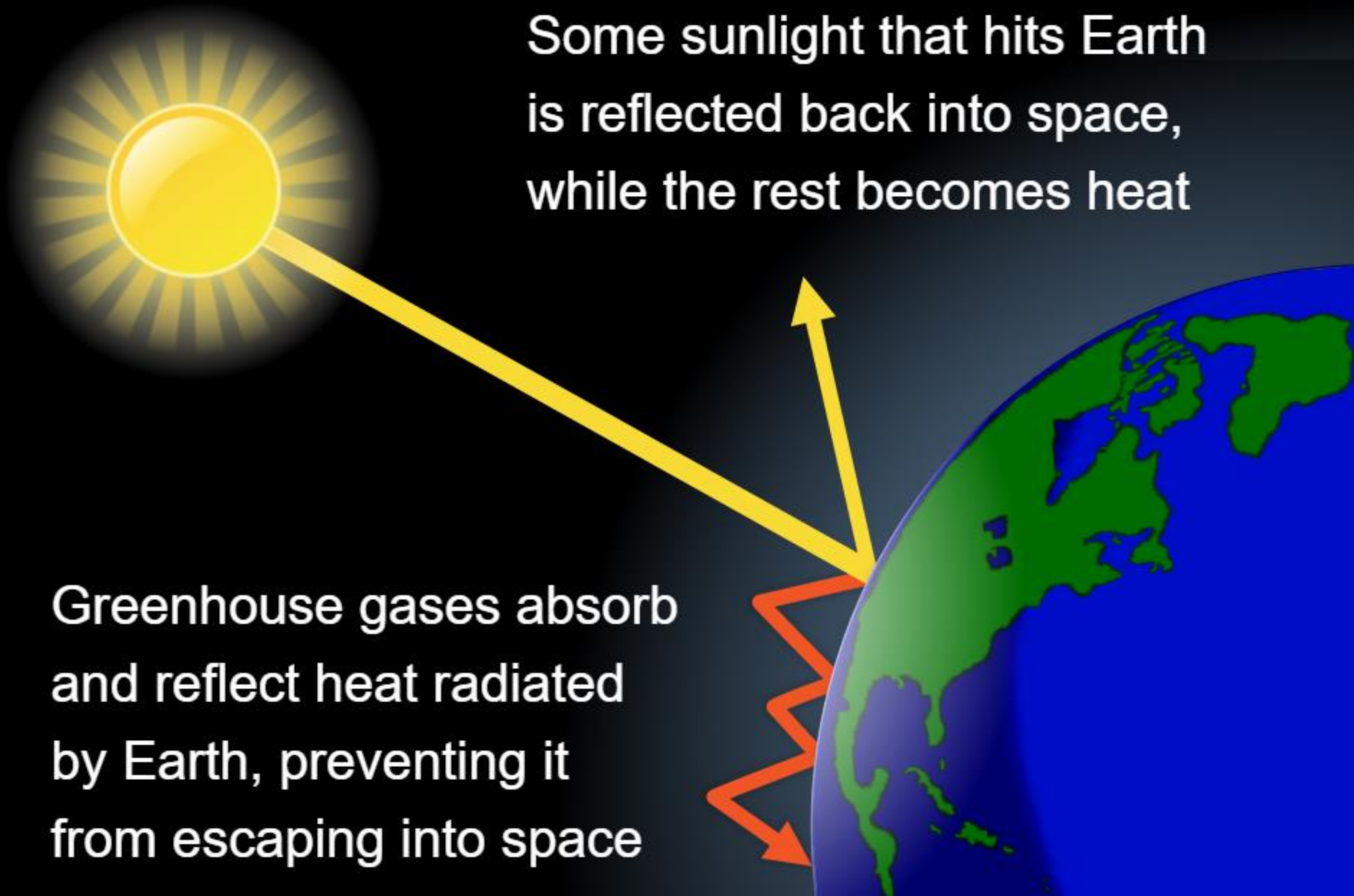
# Agenda

- Climate change: politics
- Climate change and human security
- Climate change and state security

# The Greenhouse Effect

Some sunlight that hits Earth is reflected back into space, while the rest becomes heat

Greenhouse gases absorb and reflect heat radiated by Earth, preventing it from escaping into space



# Global climate regime

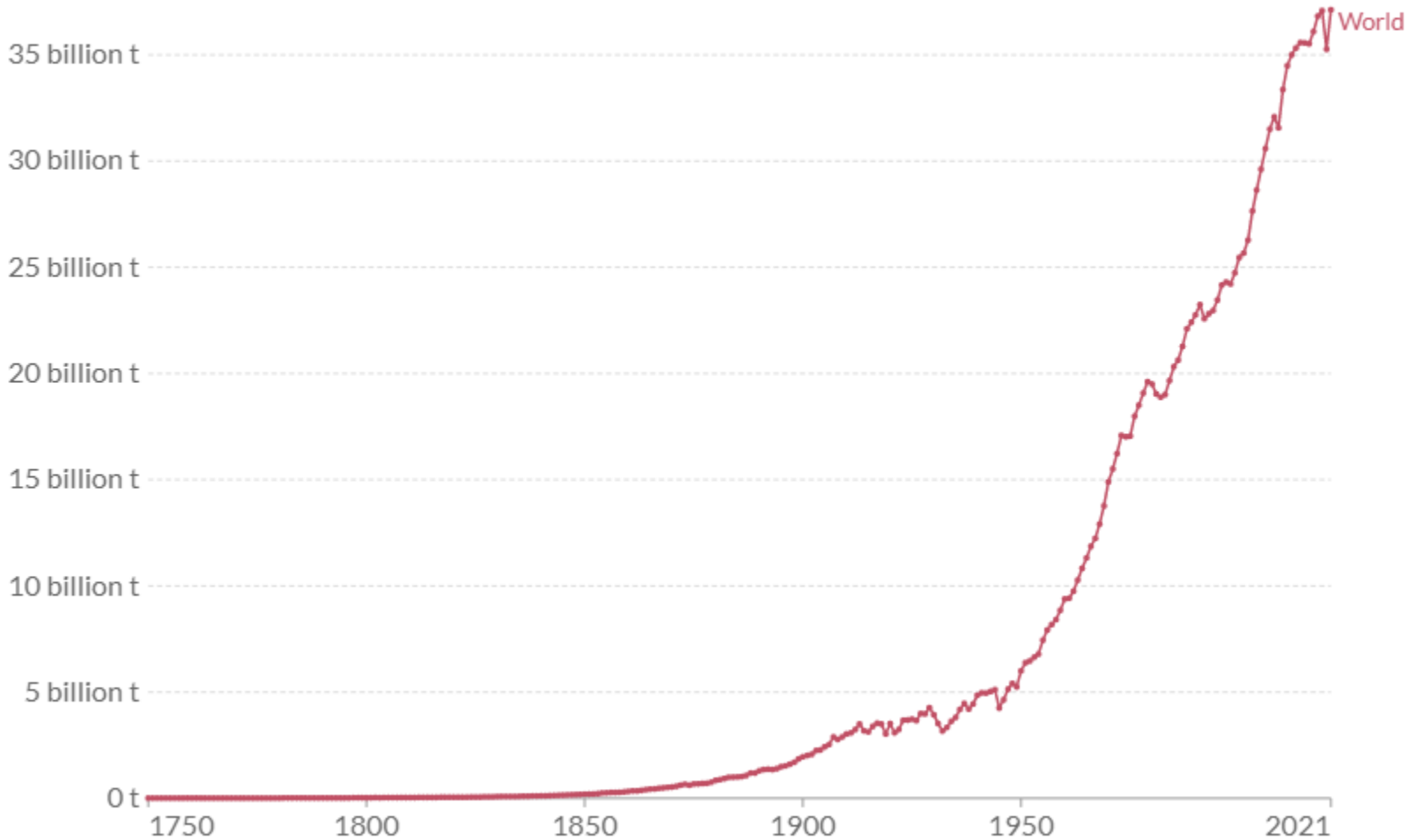
- UNFCCC (1992), Kyoto Protocol (1997)
- Copenhagen Accord (2009), Paris Agreement (2015), Glasgow climate pact (2021)
- Paris: UNFCCC members promised to lower CO<sub>2</sub> emission production “as soon as possible” and to do everything possible to keep global warming “well below 2 °C”.

# Annual CO2 emissions

## Annual CO2 emissions

Carbon dioxide (CO<sub>2</sub>) emissions from fossil fuels and industry<sup>1</sup>. Land use change is not included.

Our World  
in Data



Source: Our World in Data based on the Global Carbon Project (2022)

[OurWorldInData.org/co2-and-greenhouse-gas-emissions](https://OurWorldInData.org/co2-and-greenhouse-gas-emissions) • CC BY

# Impacts of climate change



- Heatwaves, forest fires, droughts,
- Coastal flooding,
- Food security,
- Infectious disease spread,
- Water cycle disruptions,
- Ocean acidification,
- Disasters

# Who will suffer the most?

- Low-lying coastal areas: coastlines, megacities
- Arctic: albedo effect, methane
- Vulnerable groups: women, children, elderly, poor people

# Climate change: controversy

- Disinformation
- Media
- Political manipulation
- Religion
- Low degree of urgency?





Solutions?

- Climate change impacts equally bad as impacts of war.
- Nationalism will solve it.
- Army as a securitizing agent?

# CLIMATE CHANGE

AND THE

# NATION STATE

THE CASE FOR NATIONALISM  
IN A WARMING WORLD

ANATOL LIEVEN

# Canada and the Arctic

*"The first and highest priority of our northern strategy is the protection of our Arctic sovereignty. [...] And as I have said many times before, the first principle of sovereignty is to use it or lose it."*  
*Stephen Harper, Prime Minister of Canada*

*"Sovereignty begins at home."*

*Mary Simons, Inuit leader*



Questions?