

# WHO IS RESPONSIBLE FOR CLIMATE CHANGE?

**OSGOODE OUTREACH**

Presented By:

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- **This presentation is dedicated to addressing briefly the following two topics:**
  - **Major cause for climate change - Temperatures; and**
  - **Major reason for ever increasing temperatures.**
- **Please read the slides in this presentation which are designed carefully to minimize my interpretation or explanation; and**
- **If you have any questions or comments, we will discuss them during the Q&A session.**

# HIGHLIGHTS OF THE YEAR 2025 ...

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- 2025 reinforced that climate change is accelerating, with rising emissions, extreme weather, and global instability making it harder to stay within safe temperature limits:
  - Record-breaking heat;
  - 1.5°C threshold pressure;
  - Massive wildfires;
  - Accelerated ice melt;
  - Fossil fuel resurgence;
  - Rising global emissions; and
  - **Climate policy slowdown.**

# PROJECTED GLOBAL TEMPERATURE ...

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- 2026 Projected to be among the four worse years on record, with global temperatures around 144°C above pre-Industrial levels.

# REACTION TO THE INCREASING TEMPERATURES ...

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- This video is designed to illustrate the impact of increasing trends of the temperatures; and
- Please watch the reaction of the increasing temperatures on the face of the little girl.
- [Warmland - See effects of rising temperatures | Deutsche Telekom](#)
- **National Geographic** **1.56 Minutes**

# THE CLIMATE IMPACT OF THE WARS ...

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- In just the first 2 weeks of the Iran war, the war released:
  - **5.6 Million Tons of Carbon Emissions which is:**
    - More than the annual emissions of entire countries like Iceland; and
    - Faster than a dozen low-emitting nations combined.
- **Where do these emissions come from?**
  - **Destroyed buildings;**
  - **Bombed oil facilities;**
  - **Military fuel (Jets, Missiles & Ships); and**
  - **Weapons manufacturing.**

# THE CLIMATE IMPACT OF THE WARS ...

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- The topic of this video is:
  - The Climate Emergency Nobody's Counting.
- [The Climate Emergency Nobody's Counting: Military War Damage](#)
- **ATA** **2.21 Minutes**

# BIG PICTURE ...

- **Climate change is not just an environmental issue – It is a massive economic, social, and health risk on a global scale;**
- **The cost to global GDP, human health, and livelihood could be in trillions of dollars per year; and**
- **Vulnerable populations are likely to bear a disproportion share of these impacts.**

# ESTIMATED ANNUAL FINANCIAL DAMAGES ...

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- A study by the Potsdam Institute for Climate Impact Research (PIK), estimates that global annual economic damages by 2050 will be US \$38 trillion; and
- These losses will come from impacts like:
  - Reduced labour productivity;
  - Lower agricultural yields; and
  - Damage to infrastructure driven by changes in temperature and rainfall.

- **The Earth's ever growing temperatures are the symptom of intense human activities which are causing climate change ...**

# HARSH REALITIES ...

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- Before we blame “Who” is responsible for climate change, perhaps we should take a look at “What” is causing climate change – **Human Activities**;
- The Earth’s temperature is increasing primarily due to the Greenhouse - Effect which is intensified by human activities:
  1. Fossil Fuels (Coal, Oil, and Gas);
  2. Agricultural Practices;
  3. Industrial Processes; and
  4. Waste Management.

# 1. BURNING FOSSIL FUELS ...

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- **Fossil fuels** are natural energy sources;
- The main types are **coal, oil, and natural gas**; and
- They are burned to produce energy but release **carbon dioxide**, contributing to **climate change**:
- [Fossil fuels: A threat for our environment | Climate change](#)
- **Center of Education** **2:09 Minutes**

## 2. AGRICULTURAL PRACTICES ...

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- **Agricultural practices** are the methods and techniques used in farming to grow crops and raise animals;
- These include activities like **plowing, planting, irrigation, fertilizing, pest control, and harvesting**; and
- They aim to improve productivity and sustainability in agriculture:
- [How cattle impact climate change](#)
- **CBC News** **2.28 Minutes**

### 3. INDUSTRIAL PROCESSES ...

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- **Industrial processes** are the mechanical, physical, or chemical methods used in factories and industries to produce goods and materials;
- Examples include **manufacturing, refining, and chemical production**; and
- These processes often involve machines and can impact the environment through **emissions and waste.**
- [The Environmental Impact of T-Shirt Production](#)
- Oxy TV 2:40 Minutes

# 4. WASTE MANAGEMENT ...

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- Waste management is the process of **collecting, transporting, treating, and disposing** of waste materials in a safe and efficient way; and
- It aims to **reduce pollution**, protect health, and promote **recycling and sustainability**:

- [Waste Management](#)

- Sweden

2:52 Minutes

- **The snowballing global population is responsible for the increasing global temperatures ...**

# GLOBAL POPULATION ...

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- The following demonstrates the speed of growth in global human population (The current global population is approximately 8.26 billion as of mid-2025):
  - 1 Billion Year 1804;
  - 2 Billion Year 1927 (In 123 Years);
  - 3 Billion Year 1960 (In 33 Years);
  - 4 Billion Year 1974 (In 14 Years);
  - 5 Billion Year 1987 (In 13 Years);
  - 6 Billion Year 1999 (In 12 Years);
  - 7 Billion Year 2011 (In 12 Years);
  - 8 Billion Year 2022 (In 11 Years);
  - 9 Billion Year 2037 (In 14 Years); and
  - 10 Billion Year 2058 (In 21 Years).

- [358\) The Truth About Human Population Decline | Jennifer D. Sciubba | TED - YouTube](#)



# QUESTIONS/ANSWERS