

# Environmental Effects of Russia's Invasion of Ukraine



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# Prewar environment

- Poor Soviet environmental governance
- Industrial contamination
- Chemical industry
- Mining
- Pesticide use
- Chernobyl
- Public health baseline



[PM Shmyhal says coal shortage is resolved](#)

# Exacerbation of preexisting environmental harm



[Dust to Dust](#)

# Loss of funding to support environmental programs



# Conflict Effects

- **Land Destruction –**
  - **Farm yield reduction**
- **Chemical Contamination**
- **Hazardous Debris**



[Russia Has Destroyed Its First Ukrainian Bradley Fighting Vehicles](#)

# Conflict Effects

- Land Destruction
- **Chemical Contamination**
  - - health effects
- Hazardous Debris



# Conflict Effects

- Land Destruction ]
- Chemical Contamination
- **Hazardous Debris –**
  - Long term crop
  - **contamination**



# Kakhovka Dam

- Military expediency
- Flooding
- Groundwater and farmland contamination
- Increase of GI disease, heavy metals



# Radiologic Contamination



[Hole Blasted By Drone In Chernobyl's Radiation Shield: What We Know](#)

# Effects on Nature



<https://www.rferl.org/a/ukraine-mud-world-war-1-russia-invasion/32157465.html>

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# Forest Fires



## Health Effects

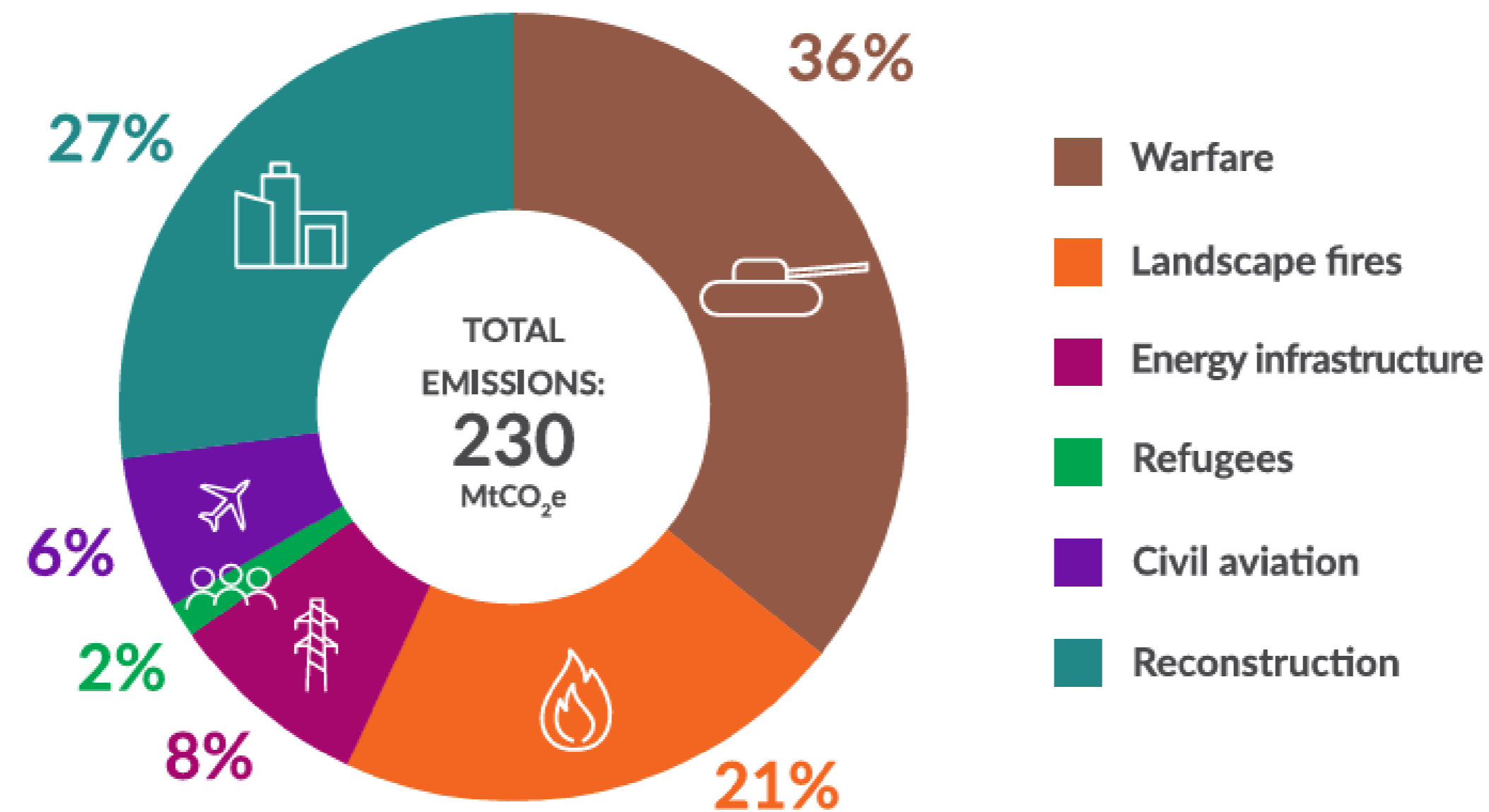
# Effects on Marine Environment



<https://www.weeklytimesnow.com.au/news/world/wild-footage-shows-russian-oil-tanker-sinking-in-blacksea/newsstory/89009ec958c7c6ff9aef96e66c361418>

# Effects on Greenhouse Gas Production

Distribution of GHG emissions over the various sectors

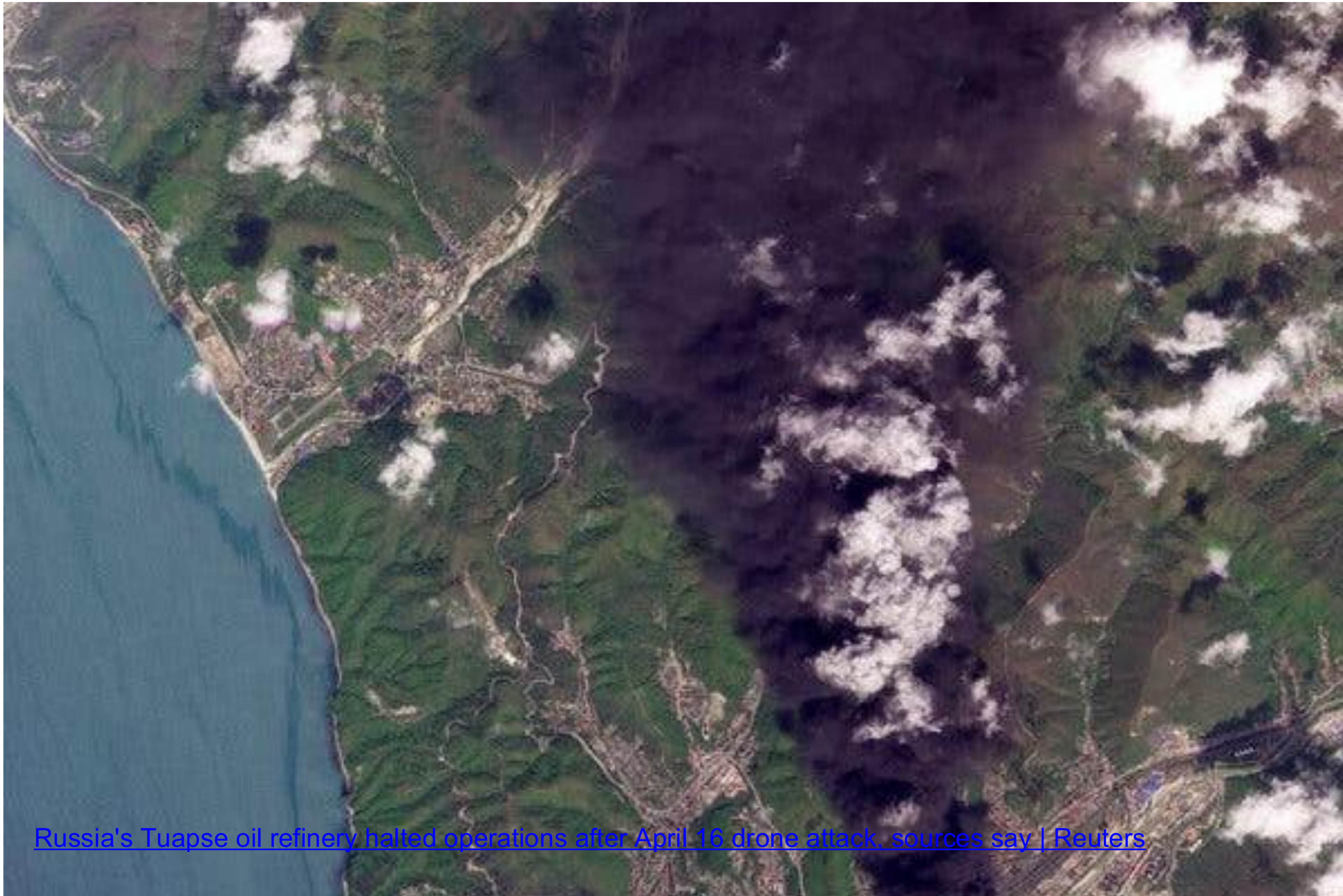


Graph 1: Distribution of GHG emissions

# Effects on Solar and Wind Power



[Ukraine's reconstruction must be fit for a green future | Context](#)



[Russia's Tuapse oil refinery halted operations after April 16 drone attack, sources say | Reuters](#)

## **Tuapse - Health effects in Russia**

# The Environmental Effects of Russian's Invasion of Ukraine

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