

CLIMATE CHANGE RISKS AND HAZARDS

● IN GEORGIA

Did You Know...

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The European Union for Georgia



CLIMATE CHANGE

RISKS AND HAZARDS

in Georgia:



rising of the Black Sea level



more frequent and intensive floods, flash floods, landslides and mudflows in high mountain areas



desertification



more frequent and intensive heatwaves



rising of average temperature



reducing water resources



more frequent wildfires

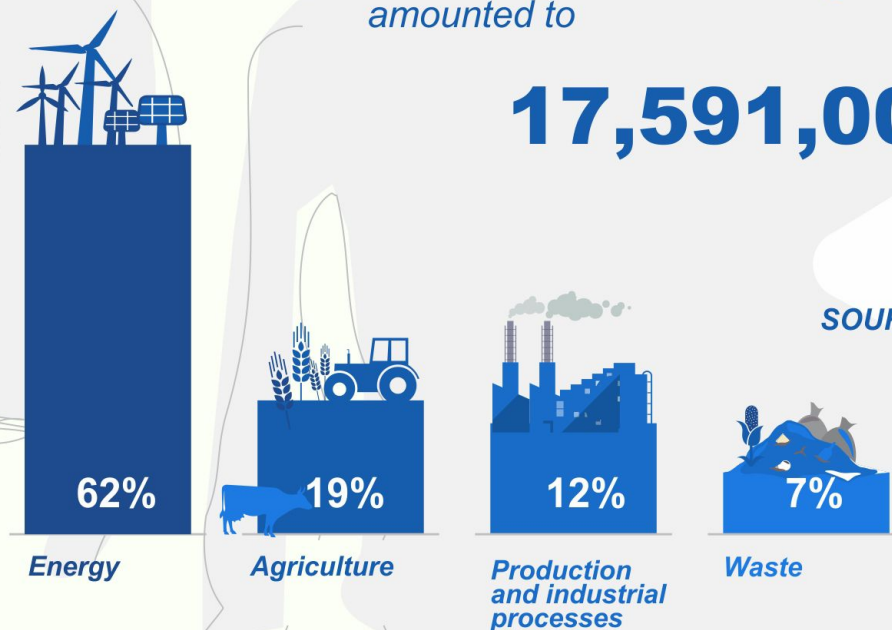
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In 2015, the **emissions of greenhouse gases in carbon dioxide equivalent** in Georgia amounted to

17,591,000
tons.

SOURCES:



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During the last 55 years (1961-2015), the trends of **rising average annual temperatures** were observed throughout the entire territory of Georgia

Maximum rise registered:

EASTERN GEORGIA
DEDOPLISTSKARO

0.9°C

WESTERN GEORGIA
POTI

0.6°C

In 2021-2050
THE HIGHEST RISE
OF TEMPERATURE IS EXPECTED

SACHKHERE
**ACHARA COASTAL ZONE
AND GODERDZI PASS**

2.1°C

1.6-1.7°C

In 2071-2100
THE HIGHEST RISE OF
TEMPERATURE IS EXPECTED IN

BATUMI
SACHKHERE
AMBROLAURI AND MESTIA

4.2°C

3.7°C



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*For half a century
in Georgia*

13%

the number of glaciers
has reduced

30%

the surface area of glaciers
has reduced



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40% FORESTS

Approximately **40% of Georgia's territory** is covered by **forests**

The **forests capture significant part of the greenhouse gases** emitted by the humans to the atmosphere



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According to

THE GLOBAL RISKS ASSESSMENT REPORT

Climate change, by the significance of its impact, ***overtakes hazard like the mass destruction weapons***

The top five risks by the probability of their occurrence are environment-related, including: ***climate change, more frequent extreme weather conditions and natural disasters***



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The following human activities **contribute to increasing greenhouse gas concentrations in the atmosphere of Earth:**

- **Fossil fuel consumption**
- **Deforestation**
- **Animal farming**
- **Waste disposal**
- **Agricultural technologies**
- **Aerosols and refrigeration technologies**



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