

Global Warming and the Melting of the Antarctic Ice Sheet

Diana Lemonjava

Email: diana.lemondzhava466@sps.tsu.edu.ge

Department of Regional Geography and Landscape Planning, Faculty of Exact and Natural Sciences,
Ivane Javakhishvili Tbilisi State University

Address: 3 Ilia Tshavtchavadze Avenue

Global climate change is progressing especially rapidly in the modern world, transforming the geographical environment. As a result of global warming, natural disasters occur, destroying the environment and threatening humanity.

The United Nations, together with the World Meteorological Organization (WMO), has designated 2025 as the International Year of Glaciers Preservation to highlight the importance of glaciers and ensure that affected people receive the necessary hydrological, meteorological, and climate services.

The presentation analyses the effects of global warming on the melting of the Antarctic ice sheet and the causes and results of this process.

Used Sources:

1. Why are glaciers and sea ice melting?

<https://www.worldwildlife.org/pages/why-are-glaciers-and-sea-ice-melting>

2. Global Warming:

<https://www.acsh.org/news/2024/10/11/global-warming-its-complicated-49047>

3. Scientific visualization of Antarctic ice mass loss:

<https://svs.gsfc.nasa.gov/31158/>

4. The big thaw:

<https://www.nationalgeographic.com/environment/article/big-thaw>

5. International Year of Glaciers Preservation 2025

<https://wmo.int/topics/cryosphere/launch-of-website-international-year-of-glaciers-preservation-2025>