

Lost Winter in Germany

Analysis: Climate change adding more winter days above freezing — affecting snowfall, winter sports, ecosystems, and more

December 2024

KEY FACTS

- **Across Germany, climate change — due primarily to burning oil, coal, and gas — is causing a significant increase in winter days above freezing, otherwise called lost winter days.**
 - **Analysis of daily minimum temperatures during winter (December, January, February) shows that Germany experienced more than two additional weeks' worth of days above freezing annually during the past decade (2014-2023) due to human-caused warming.**
 - **Among the 123 countries analyzed, Germany was among those that saw the most winter days above freezing added due to climate change.**
 - **All six German cities analyzed saw at least two additional weeks' worth of winter days above freezing each year, compared to a world without climate change.**
 - **Losing winter's chill affects snowfall, winter sports, water supplies, spring allergies, crops, and more.**
- [Download data](#)

This national summary is part of a broader analysis, in which Climate Central assessed how warming temperatures, attributed to climate change, affected the number of days above freezing (0°C) during winter (December, January, February) in 123 countries across the Northern Hemisphere over this past decade (2014-2023). For locations across the globe, findings show how many lost winter days — days between December-February where minimum temperatures exceeded 0°C — are occurring annually due to climate change. For detailed methodology and summary of findings for 123 countries and 901 cities, [see the full report](#).

RESULTS

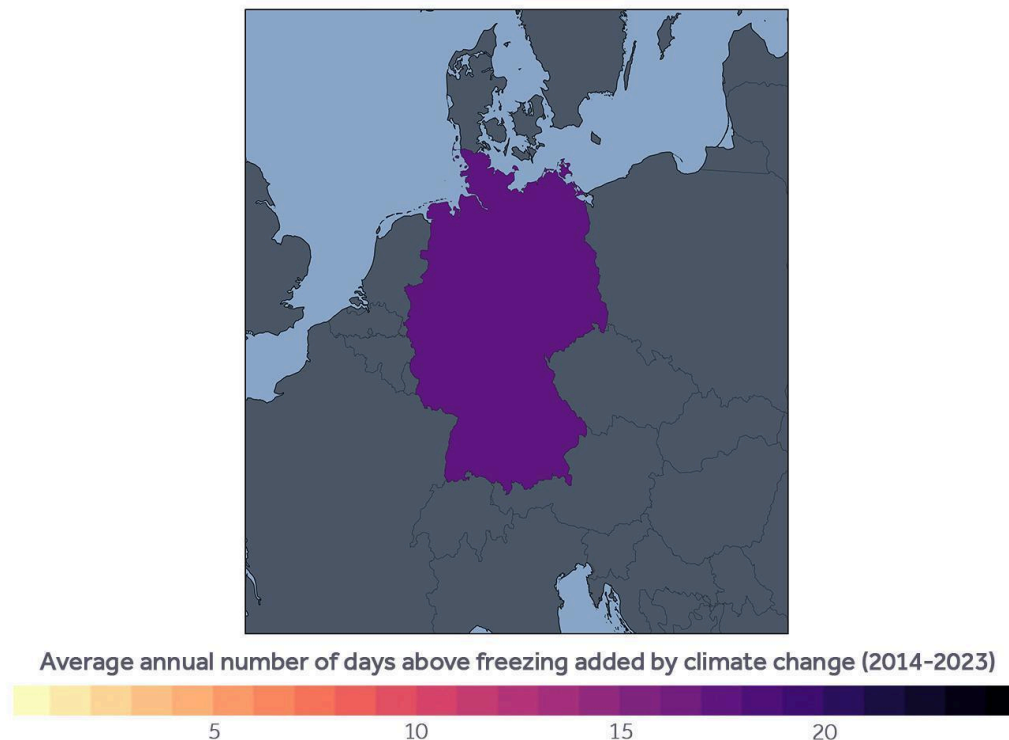


Figure 1. Annual winter days with minimum temperatures above 0°C added by climate change in Germany. Results averaged over a ten-year period (2014-2023).

City	Winter days above 0°C annually	Winter days above 0°C added by climate change annually
Munich	45	24
Hamburg	64	20
Berlin	54	20
Cologne	70	17
Frankfurt	61	17
Stuttgart	49	14

Table 1. Annual winter days with minimum temperatures above 0°C added due to climate change, for select cities in Germany included in this analysis. Results represent averages over the past decade (2014-2023).

Climate Central is an independent group of scientists and communicators who research and report the facts about our changing climate and how it affects people’s lives. Climate Central is a policy-neutral 501(c)(3) nonprofit.

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