

## Lost Winter in Norway

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

December 2024

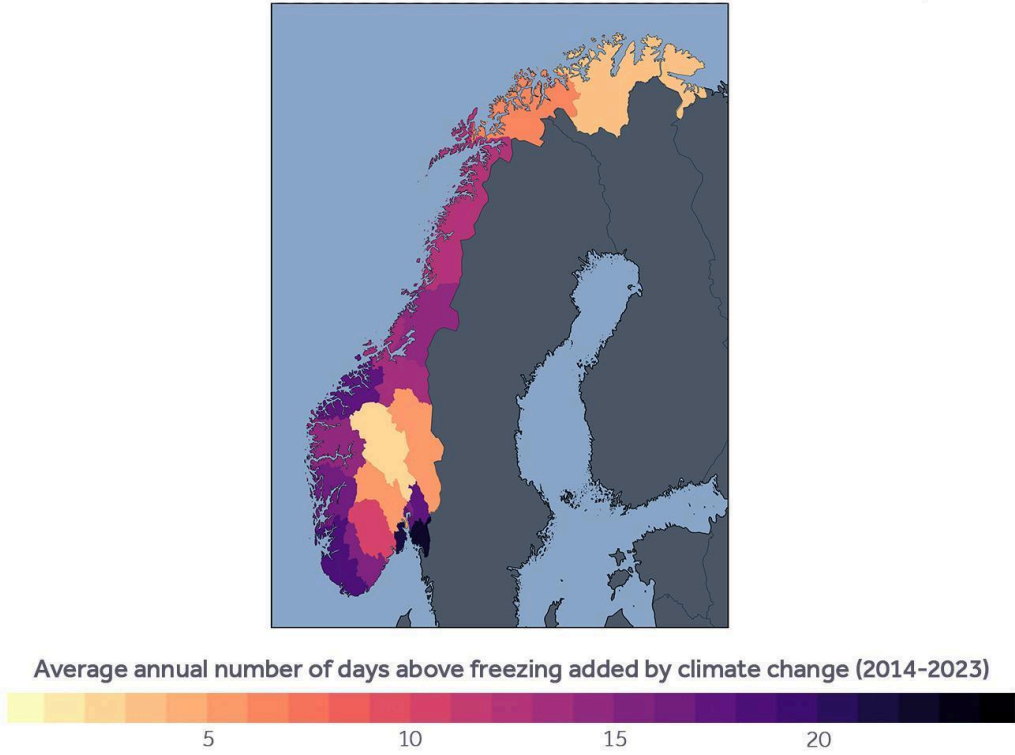
### KEY FACTS

- Across Norway, climate change — due primarily to burning oil, coal, and methane 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 Norway experienced at least one additional week's worth of days above freezing annually during the past decade (2014-2023) due to human-caused warming.
  - Around 80% of Norway's divisions (15 of 19)\* saw more than one additional week's 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](#).*

*\*Analysis for Norway is based on previous boundaries of divisions — some have since been combined.*

**RESULTS**



**Figure 1.** Annual winter days with minimum temperatures above 0°C added by climate change, averaged across the country over a ten-year period (2014-2023) in Norway.

Division	Winter days above 0°C annually	Winter days above 0°C added by climate change annually
Rogaland	44	19
Vest-Agder	39	18
Østfold	35	23
Vestfold	32	22
Møre og Romsdal	32	17
Hordaland	32	16
Sogn og Fjordane	29	14
Aust-Agder	25	16
Sør-Trøndelag	23	13
Akershus	21	17
Nord-Trøndelag	21	14
Nordland	19	13
Oslo	18	15
Telemark	14	10
Troms	9	7
Buskerud	6	6
Hedmark	6	5
Finnmark	4	3
Oppland	3	3

**Table 1.** Winter days with minimum temperatures above 0°C added due to climate change. Results represent averages over the past decade (2014-2023) in Norway’s divisions. Analysis for Norway is based on previous boundaries of divisions — some have since been combined.

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*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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