

# Global Temperature Rise 6C Impact Analysis

XXXXXXXX6°CXXXXXXXXXXXXXX

April 30, 2025

# 6°C

## vs.

- \* 6°C 6°C 4~5°C ([17. Are climate changes of a few degrees a cause for concern? | Royal Society](#))  
—— 6°C \*\* “6°C

37°C 6°C

## 

6°C 89% ([New study shows Earth energy imbalance](#)) “” 6°C

1°C 7% ([Sks Analogy 13 - Water glasses and Greenhouse gases](#)) 6°C “—” “”

##

“6°C”  
“

- -
- - (Ice-albedo feedback - Wikipedia)\* “” 3~4 (Ice-albedo feedback - Wikipedia)-
- CH<sub>4</sub> CO<sub>2</sub> (NASA Helps Find Thawing Permafrost Adds to Near-Term Global Warming | NASA Jet Propulsion Laboratory (JPL)) “” (Weathered | Is Permafrost the Climate Tipping Point of No Return? | Season 3 | Episode 12 | PBS)-→ → “”

CO<sub>2</sub> “1°C” 6°C



- \* \*\* 6°C
- 2°C “” ([

Q&A;: Warming of 2C would trigger ‘catastrophic’ loss of world’s ice, new report says - Carbon Brief ]([Powered by DeepResearchPDF](https://www.carbonbrief.org/qa-warming-of-2c-would-trigger-catastrophic-loss-of-worlds-ice-new-report-says/#:~:text=Glo%20warming%20of%202C%20would,glaciers%2C%20warns%20a%20new%20report))” 6°C —</p></div><div data-bbox=)





- \***Carbon Cycle Feedbacks**\*  
Carbon cycle feedbacks are processes that either amplify or dampen the initial change in CO<sub>2</sub> concentration. (

Analysis: How 'carbon-cycle feedbacks' could make global warming worse - Carbon Brief ](<https://www.carbonbrief.org/analysis-how-carbon-cycle-feedbacks-could-make-global-warming-worse/#:~:text=Today%2C%20around%20half%20of%20the,All%20of%20these%20processes%20introduce>))  
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CO<sub>2</sub>

- CO<sub>2</sub> ([

Analysis: How ‘carbon-cycle feedbacks’ could make global warming worse - Carbon Brief ](<https://www.carbonbrief.org/analysis-how-carbon-cycle-feedbacks-could-make-global-warming-worse/#:~:text=as%20the%20Earth%20warms%20this,All%20of%20these%20processes%20introduce>))

6°C  
6°C CO<sub>2</sub>

## “6°C”

“6°C”  
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IPCC  
([Why Ice Sheets Matter | National Snow and Ice Data Center](#))  
“”6°C

“6°C”  
6°C  
——“6°C”  
+6°C  
([17. Are climate changes of a few degrees a cause for concern? | Royal Society](#)) ([

Q&A;: Warming of 2C would trigger ‘catastrophic’ loss of world’s ice, new report says - Carbon Brief ](<https://www.carbonbrief.org/qa-warming-of-2c->

would-trigger-catastrophic-loss-of-worlds-ice-new-report-says/#:~:text=Glo  
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- \*[17. Are climate changes of a few degrees a cause for concern? | Royal Society](https://royalsociety.org/news-resources/projects/climate-change-evidence-causes/question-17/#:~:text=Yes,societies%20and%20the%20natural%20world))[SkS Analogy 13 - Water glasses and Greenhouse gases](https://skepticalscience.com/SkS_Analogy_13_Water_glasses_and_Greenhouse_gases.html))[Ice-albedo feedback - Wikipedia](https://en.wikipedia.org/wiki/Ice-albedo_feedback)) ([NASA Helps Find Thawing Permafrost Adds to Near-Term Global Warming | NASA Jet Propulsion Laboratory \(JPL\)](https://www.nasa.gov/feature/nasa-jet-propulsion-laboratory-jpl/2019/08/20/nasa-helps-find-thawing-permafrost-adds-to-near-term-global-warming))

Q&A:: Warming of 2C would trigger ‘catastrophic’ loss of world’s ice, new report says - Carbon Brief ]([https://www.carbonbrief.org/qa-warming-of-2c-would-trigger-catastrophic-loss-of-worlds-ice-new-report-says/#:~:text=Glo  
bal%20warming%20of%202C%20would,glaciers%2C%20warns%20a%20n  
ew%20report\)\)](https://www.carbonbrief.org/qa-warming-of-2c-would-trigger-catastrophic-loss-of-worlds-ice-new-report-says/#:~:text=Glo%20bal%20warming%20of%202C%20would,glaciers%2C%20warns%20a%20n%20ew%20report)))) ([Why Ice Sheets Matter | National Snow and Ice Data Center](https://www.nsnice.org/why-ice-sheets-matter)) ([New study shows Earth energy imbalance](https://www.nasa.gov/feature/new-study-shows-earth-energy-imbalance)) ([Slowdown of the Motion of the Ocean - NASA Science](https://www.nasa.gov/feature/slowdown-of-the-motion-of-the-ocean))

Analysis: How ‘carbon-cycle feedbacks’ could make global warming worse - Carbon Brief ]([https://www.carbonbrief.org/analysis-how-carbon-cycle-feedbacks-could-make-global-warming-worse/#:~:text=Today%2C%20around  
%20half%20of%20the,All%20of%20these%20processes%20introduce\)\)](https://www.carbonbrief.org/analysis-how-carbon-cycle-feedbacks-could-make-global-warming-worse/#:~:text=Today%2C%20around%20half%20of%20the,All%20of%20these%20processes%20introduce))))

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[#:~:text=decreased%20global%20temperatures%2C%20will%20cause,Clapeyron%20equation](#)

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