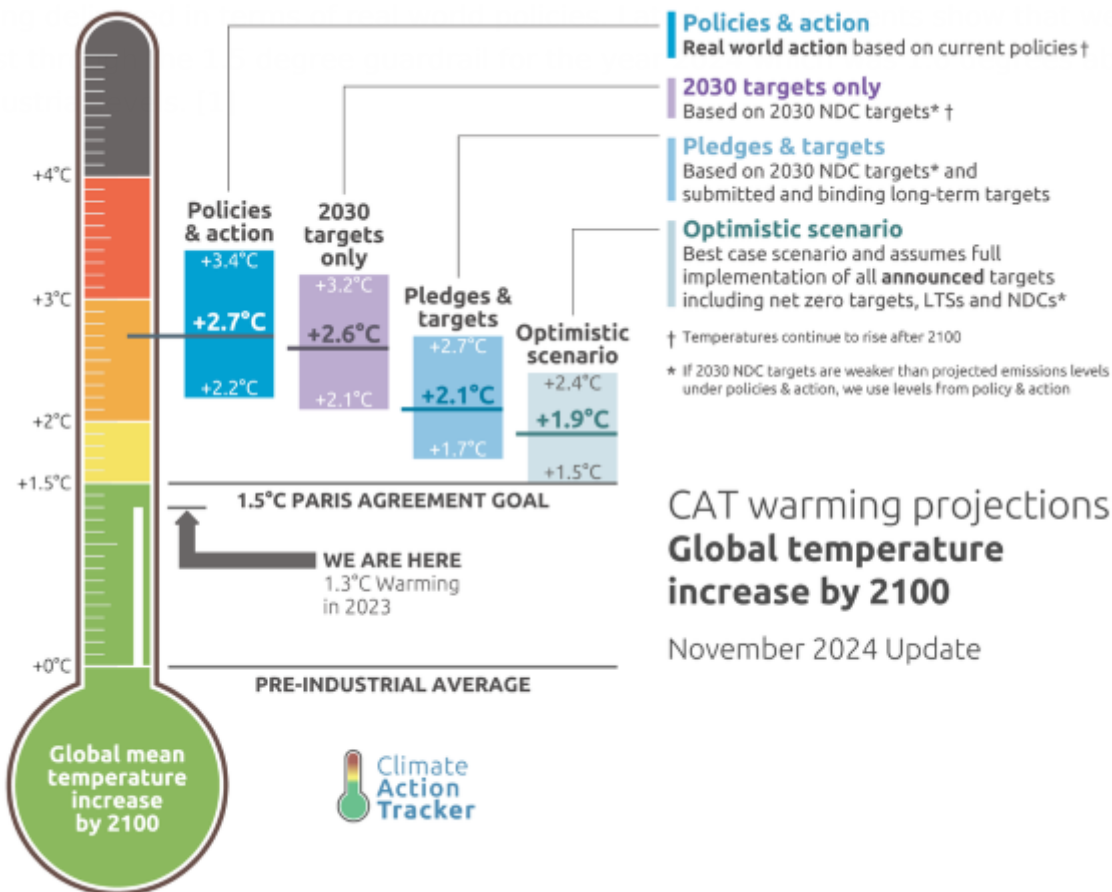


# The Climate & Nature Emergency

The science is clear: we face an unprecedented global climate and nature emergency.

The effects of this emergency include **floods, wildfires, extreme weather, mass loss of wildlife, crop failure and the mass displacement of people and loss of life**. This is not a distant prospect - these effects are being suffered right now, and will continue to be disproportionately suffered, by those who have done the very least to cause the crisis. The chart

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The amount of heating may not sound much, but there is a real danger of it leading to tipping points and feedback loops. These are irreversible domino effects beyond which there is little we can do to control run-away warming. Plus, right now, every 0.1 degree of warming places 100 million people in unliveable temperatures. [3]

On top of this, many scientists believe that habitat destruction and biodiversity loss is equally, if not even more, important and that we are right now in planet earth's sixth mass extinction, driven by unsustainable human activities.

To have any effect on slowing down global heating and loss of nature, we need urgent systemic and long-term changes to how we do things. XR's purpose is to highlight the fact that our window of opportunity is closing rapidly and compel those in power to act.

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**References:** [1] : <https://www.reuters.com/business/environment/2024-was-first-year-above-15c-global-warming-scientists-say-2025-01-10/>

[2]: <https://climateactiontracker.org/>

[3]: <https://academic.oup.com/bioscience/article/74/12/812/7808595>

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#### **More information:**

If you want to know more about the science of climate and ecological breakdown, visit our webpage [Emergency on Planet Earth](#). Dr Emily Grossman (with the support of the XR Scientists community and a wide range of experts) lays out the facts. Embedded on the first page you will find our two part talk, updated June 2023 -

Part One - Heading for Extinction

Part Two - And What To Do About It

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