

One Sheet

IPCC Sixth Assessment Group 1 Report

September 2021 Prepared by Rev. Richenda Fairhurst

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The Report: In August, 2021, the IPCC released a draft copy of the Group 1 Sixth Assessment Report ahead of the full report to be published in 2022. The [Group 1 report](#) is technical, but it communicates a serious warning about fossil fuel driven climate change.

Key info:

- Emissions are not under control and we will exceed the target of 1.5°C by 2030.
- The climate impacts we are experiencing right now are from only 1.1°C of warming.
- It's been 2 million years since CO₂ emissions were this high.
- A target of 2°C will still result in two meters of sea level rise over the next two hundred years or more, and possibly by 2100.
- Scientists can now measure the human impact and demonstrate 'indisputably' that the changes we are experiencing are human caused.

What is the IPCC? The [IPCC](#) is the Intergovernmental Panel on Climate Change, it is a body within the United Nations that is tasked with assessing the risks and reporting on the science of climate change globally. It also offers strategies for adaptation and risk mitigation.

What is the IPCC report? The IPCC publishes a number of regional & subject reports every year. Every few years, however, a big assessment is published that brings the latest science comprehensively together. The last report, [the Fifth Assessment](#), was published in 2014 and is still relevant. The Sixth Assessment report involves three working groups, with the [Group 1 Report](#) out now. The [Press Release](#) gives key information about the Group 1 Report in accessible language. The rest of the [Sixth Assessment Report](#) is due to be ready in 2022.

Articles - News addressing the IPCC Group 1 Report in August. Here are a few:

UN News: [‘Code red’ for human driven global heating, warns UN chief](#). An explainer article for the IPCC report that includes a short and engaging video.

MIT Technological Review: [The UN climate report pins hopes on carbon removal technologies that barely exist](#). Addresses solutions including carbon capture technology.

Climate Home News: [Lifestyle change can cut double the emissions of Brazil by 2030](#). Asserts that personal, lifestyle changes can make a difference together with larger societal change.

NPR: [Computer Models of Civilization Offer Routes To Ending Global Warming](#). This article speaks to real, transformational possibilities for change. Despite the dire warnings in the Group 1 IPCC report, there are models also for changes that will lead to a better quality of life.

Articles - Responses from the faith community:

NCR (National Catholic Reporter) EarthBeat: [Earth's Climate Outlook Grim but not Hopeless, Faith Leaders Say](#). An unflinching but hopeful look at the science & solutions for renewed life and health.

Evangelical Focus: [We need to see nature as a blessing from God, not as a hinderance to development.](#)” This article features an interview with climate scientist and evangelical Katharine Hayhoe.

From Quaker United Nation's Office (QUINO): [How to be a Hero for our Children](#).

Buddhist Door Global: [Global Systemic Crisis and Buddhism: Toward a Change of Paradigm](#). Addressing the potential collapse of ecosystems due to climate change from a Buddhist perspective.

The Algemeiner: [Why Judaism Requires Action on Climate Change](#). Exploration of the concerns of the Group 1 IPCC report from a Jewish perspective, connecting to Torah.

United Methodist Insight: [Young Earthkeeper, Agency Staff Urge Churches to Take Action on Climate Change](#). A few church leaders within UMC are interviewed addressing the report and solutions.

Data Tools.

These science-based tools offer click-able maps so that you can look more specifically at projected changes and impacts in your region and community.

USGS (United States Geological Survey) [National Climate Change Viewer](#). This tool allows you to see data sets represented by state or region through different charts, tables and models. Click to select your region, what you want to see measured (temp, snow, soil moisture) and the projected model over the next few decades. See also (CASC) [Climate Adaptation Science Centers](#) which includes recent and searchable science news and studies.

Climate Change Maps (US and World) [climate impact lab](#). There's a lot to explore here including a clickable map that shows impacts depending on how high emissions will rise. In addition, there are narrative sections and links on things like agriculture, labor, health, energy...

IPCC WGI [Interactive Atlas](#). This is a very science-y resource, especially the [regional information map](#), but well worth looking at to see the projections for heat and other effects based on low or high emissions scenarios.

Climate Scenarios Primer. This site offers a [Primer](#) to explain the way scenarios work within climate science as it relates to different regions and how those regions might look with 1.5C degree of warming, or 2C or higher. The site also offers [Learning Modules](#) with visuals and information about land use, emissions, and impacts.

More Regional Information: Check out the Faiths4Future [one-sheet resources](#) page for a one-sheet specifically designed to help you find climate change information specific to your region and zipcode.