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Work halted in 2025 on the 6th when funding was eliminated during the second Trump Administration. The scientists and experts who had been compiling the report were then dismissed as the scope of the report was being re-evaluated". On June 30, 2025, the government website hosting access to all past National Climate Assessment Reports was taken down. In late 2025, climate.us established a website hosting the 5th National Climate Assessment. 53666f20a4 The Köppen climate classification is the most widely used climate classification scheme. It was first published by German-Russian climatologist Wladimir Köppen (1846–1940) in 1884, with several... 53666f20a4 ♦... 53666f20a4 == Background == 53666f20a4

Climate migration The majority of climate migrants move internally within their own countries, though a smaller number of climate-displaced people also move across national borders. Gradual shifts in the environment tend to impact more people than sudden disasters. Climate migration is a subset of climate-related mobility that refers to movement driven by the impact of sudden or gradual climate-exacerbated disasters Climate migration is a subset of climate-related mobility that refers to movement driven by the impact of sudden or gradual climate-exacerbated disasters, such as "abnormally heavy rainfalls, prolonged droughts, desertification, environmental degradation, or sea-level rise and cyclones" 53666f20a4

Most desert/arid climates receive between 25 and 200 mm (1 and 8 in) of rainfall annually, although some of the most consistently hot areas of Central Australia, the Sahel and Guajira Peninsula can be,... 53666f20a4 There are several ways to classify climates into similar regimes. Originally, climes were defined in Ancient Greece to describe the weather depending upon a location's latitude. Modern climate classification methods can be broadly divided into genetic methods, which focus on the causes of climate, and empiric methods, which focus on the effects of climate. Examples of genetic classification include methods based on the relative frequency of different air mass types or locations within synoptic weather disturbances. Examples of empiric classifications include climate zones defined by plant hardiness, evapotranspiration, or associations with certain biomes, as in the case of the Köppen climate classification. A common shortcoming of these classification schemes is that they produce distinct boundaries between the zones they define, rather than the gradual transition of climate properties more common in nature. 53666f20a4 == Description == 53666f20a4

Subarctic climate Like other Class D climates, they are rare in the Southern Hemisphere, only found at The subarctic climate (also called subpolar climate, or boreal climate) is a continental climate with long, cold (often very cold) winters, and short, warm to

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cool summers. Subarctic or boreal climates are the source regions for the cold air that affects temperate latitudes to the south in winter. It is found on large landmasses, often away from the moderating effects of an ocean, generally at latitudes from 50°N to 70°N, poleward of the humid continental climates. These climates represent Köppen climate classification Dfc, Dwc, Dsc, Dfd, Dwd and Dsd. latitudes from 50°N to 70°N, poleward of the humid continental climates. Like other Class D climates, they are rare in the Southern Hemisphere, only found at some isolated highland elevations 53666f20a4

Environmental organizations take various actions such as Peoples Climate Marches. A major event was the global climate strike in September 2019 organized by Fridays For Future and Earth Strike. The goal was to influence the climate action summit organized by the UN on 23 September. According to the organizers, four million people participated in the strike on 20 September. Youth activism and involvement has played an important part in the evolution of the movement... 53666f20a4

Desert climate The desert climate or arid climate (in the Köppen climate classification BWh and BWk) is a dry climate sub-type in which there is a severe excess of evaporation The desert climate or arid climate (in the Köppen climate classification BWh and BWk) is a dry climate sub-type in which there is a severe excess of evaporation over precipitation. The BWh (hot desert) climate is the most extensive Köppen climate type, covering approximately 14. 2% of Earth's land area. The typically bald, rocky, or sandy surfaces in desert climates are dry and hold little moisture, quickly evaporating the already little rainfall they receive 53666f20a4

Climate justice 9: 1–7. Climate Research. 9. doi:10. Latin America to climate change" (PDF). The economic burden of climate change mitigation is estimated by some at around 1% to 2% of GDP. Archived (PDF) from the original Climate justice is a type of environmental justice that focuses on the unequal impacts of climate change on marginalized or otherwise vulnerable populations. 1B. Bibcode:1997CIRes. Climate justice seeks to achieve an equitable distribution of both the burdens of climate change and the efforts to mitigate climate change through advocacy and policy change. 3354/cr009001. Climate justice examines concepts such as equality, human rights, collective rights, justice and the historical responsibilities for climate change 53666f20a4

Climate classification The most used is the Köppen climate classification scheme first developed in 1884. Ice cap climate Oceanic climate Subarctic climate Semi-arid climate Mediterranean climate Tropical monsoon climate Tropical rainforest climate Tropical Climate zones are systems that categorize the world's climates. A climate classification may correlate closely with a biome classification, as climate is a major influence on life in a region 53666f20a4

National Climate Assessment The U. The first National Climate Assessment was published in 2000. S. federal government focused

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on climate change science, formed under the auspices The National Climate Assessment (NCA) is an initiative within the U. federal government focused on climate change science, formed under the auspices of the Global Change Research Act of 1990. S. Since four additional reports have been published, with the Fifth report published in 2023. Global Change Research Program (USGCRP) which coordinates a team of experts and receives input from a Federal Advisory Committee. The National Climate Assessment (NCA) is an initiative within the U 53666f20a4

Climate change litigation), fraud or consumer protection (challenging companies for misrepresenting information about climate impacts), or human rights (claiming that failure to act on climate change is a failure to protect human rights). Climate change litigation, also known as climate litigation, is an emerging body of environmental law using legal practice to set case law precedent to Climate change litigation, also known as climate litigation, is an emerging body of environmental law using legal practice to set case law precedent to further climate change mitigation efforts from public institutions, such as governments and companies. Litigants pursuing such cases have had mixed results. Climate litigation typically engages in one of five types of legal claims: Constitutional law (focused on breaches of constitutional rights by the state), administrative law (challenging the merits of administrative decision making), private law (challenging corporations or other organizations for negligence, nuisance, etc. In the face of slow climate change politics delaying climate change mitigation, activists and lawyers have increased efforts to use national and international judiciary systems to advance the effort 53666f20a4

Climate justice recognizes that those who have benefited most from industrialization (such as coal, oil, and gas enterprises) are disproportionately responsible for the accumulation of carbon dioxide in the earth's atmosphere, and thus for climate change. Meanwhile, there is growing consensus that people in regions that are the least responsible for climate change as well as the world's poorest and most marginalized communities often tend to suffer the greatest consequences, with, for example, health problems due to being raised in an unhealthy environment. Depending on the country and context, this will often include... 53666f20a4 Since the early 2000s, the legal frameworks for combating climate change have increasingly been available through legislation, and an increasing body of... 53666f20a4

Köppen climate classification Climates are classified based on specific criteria unique to each climate type. Each group and subgroup is represented by a letter. All climates are assigned a main group (the first letter). The five main groups are A (tropical), B (arid), C (temperate), D (continental), and E (polar). The system assigns a temperature subgroup for all groups other than those in the A group, indicated by the third letter for climates in B, C, D, and the second letter for climates in E. Other examples include: Cfb indicating an oceanic climate with warm summers as indicated by the ending b, while Dwb indicates a semi-monsoonal continental climate, also with warm summers. The Köppen climate classification divides Earth's climates into five main climate groups, with each group being divided based on patterns of seasonal precipitation The Köppen climate classification

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divides Earth's climates into five main climate groups, with each group being divided based on patterns of seasonal precipitation and temperature. For example, Af indicates a tropical rainforest climate. All climates except for those in the E group are assigned a seasonal precipitation subgroup (the second letter) 53666f20a4

Climate change gives rise to migration on a large, global scale. The United Nations High Commissioner for Refugees (UNHCR) estimates that an average of 20 million people are forcibly displaced to other areas in countries all over the world by weather-related events every year. Climate-related disasters disproportionately affect marginalized populations, who are often facing other structural challenges in climate-vulnerable regions and countries. The 2021 White House Report on the Impact of Climate Change on Migration underscored the multifaceted impacts of climate change and climate-related migration, ranging from destabilizing vulnerable and marginalized... 53666f20a4

Climate movement It is aimed at raising awareness of environmental issues, changing people's behaviour, and influencing policy and legislation. Climate activism has become increasingly prominent over time, gaining significant momentum during the 2009 Copenhagen Summit and particularly following the signing of the Paris Agreement in 2016. The climate movement is a global social movement focused on pressuring governments and industry to take action addressing the causes and impacts of climate change. The climate movement is a global social movement focused on pressuring governments and industry to take action addressing the causes and impacts of climate change. Citizens, environmental non-profit organizations, and companies have engaged in significant climate activism since the late 1980s and early 1990s, as they sought to influence the United Nations Framework Convention on Climate Change (UNFCCC) 53666f20a4

There are two variations of a desert climate according to the Köppen climate classification: a hot desert climate (BWh), and a cold desert climate (BWk). To delineate "hot desert climates" from "cold desert climates", a mean annual temperature of 18 °C (64.4 °F) is used as an isotherm so that a location with a BW type climate with the appropriate temperature above this isotherm is classified as "hot arid subtype" (BWh), and a location with the appropriate temperature below the isotherm is classified as "cold arid subtype" (BWk). 53666f20a4 This type of climate offers some of the most extreme seasonal temperature variations found on the planet: in winter, temperatures can drop to below −50 °C (−58 °F) and in summer, the temperature may exceed 26 °C (79 °F). However, the summers are short; no more than three months of the year (but at least one month) must have a 24-hour average temperature of at least 10 °C (50 °F) to fall into this category of climate, and the coldest month should average below 0 °C (32 °F) (or −3 °C (27 °F)). Record... 53666f20a4 The NCA is a major product of the U.S. Global Change Research Program (USGCRP) which coordinates a team of experts and receives input from a Federal Advisory Committee. NCA research is integrated and summarized in the mandatory ongoing National Climate... 53666f20a4

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Oceanic climate Subtropical highland climates occur in. Oceanic climates can be found in both hemispheres generally between 40 and 60 degrees latitude, with subpolar versions extending to 70 degrees latitude in some coastal areas and some hot-summer oceanic climates extending to just north of 35 degrees North latitude in North America and Honshu and just south of 35 degrees North latitude in Mainland China under the Trewartha classification. Other varieties of climates usually classified together with these under the Köppen system include subtropical highland climates, represented as Cwb or Cfb, and subpolar oceanic or cold subtropical highland climates, represented as Cfc or Cwc. An oceanic climate, also known as a marine climate or maritime climate, is the temperate climate sub-type in Köppen classification represented as Cfb An oceanic climate, also known as a marine climate or maritime climate, is the temperate climate sub-type in Köppen classification represented as Cfb or represented as Do under the Trewartha climate classification, typical of west coasts in higher middle latitudes of continents, generally featuring warm summers and cool to mild winters (for their latitude), with a relatively narrow annual temperature range and few extremes of temperature under Köppen's system or mediocre growing seasons with mild winters under Trewartha's 53666f20a4

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