

List of Tables

Table 1.1 Summary of table of contents.

Table 1.2 United Nations sustainable development goals.

Table 4.1 Forms of energy taken from <https://www.eia.gov/energyexplained/what-is-energy/>

Table 9.1 Meteorological seasons in temperate latitudes in the northern and southern hemispheres.

Table 9.2 Astronomical seasons in temperate latitudes in the northern and southern hemispheres.

Table 9.3 Meteorological tropical seasons.

Table 10.1 Effect of ENSO on tropical cyclones.

Table 10.2 Classifications of tropical cyclones.

Table 10.3 Size description of tropical cyclones.

Table 11.1 Effect of ENSO on tropical cyclones.

Table 13.1 Partial list of paleoclimatic proxies and the information that can be obtained/extracted. These proxies provide age and climate information.

Table 13.2 Partial list of paleoclimatic proxies and the information that can be obtained/extracted. These proxies provide age or climate information but not both.

Table 13.3 Known ice ages.

Table 14.1 Data products available from NASA, Moderate Resolution Imaging Spectroradiometer, MODIS. <https://modis.gsfc.nasa.gov/data/dataproduct/index.php>

Table 15.1 Global warming potential and atmospheric lifetime for major greenhouse gases. <https://www.ipcc.ch/report/ar4/wg1/>

Table 15.2 Energy density of different fuels. https://energyeducation.ca/encyclopedia/Energy_density

December 12, 2020 – Fifth Anniversary of the Paris Agreement

August 9, 2021 – Publication of IPCC AR6 WG1, Climate Change, The Physical Science Basis, February 28, 2022 IPCC AR6 WGII, Climate Change: Impacts, Adaptability and Vulnerability and April 4, 2022 IPCC AR6 WGIII, Climate Change: Mitigation

Guide to the Science of Climate Change in the 21st Century, August 14, 2021

Table 15.3 Carbon dioxide equivalent emissions by fuel type.
https://www.eia.gov/environment/emissions/co2_vol_mass.php
and <https://www.eia.gov/tools/faqs/faq.php?id=73&t=11>

Table 15.4 Natural sources of methane.
https://en.wikipedia.org/wiki/Methane_emissions#Natural

Table 15.5 Anthropogenic sources of methane.
https://en.wikipedia.org/wiki/Methane_emissions#Natural

Table 15.6 Global historical emissions data source.

Table 15.7 Global historical emissions countries/regions.

Table 15.8 Global historical emissions sectors/subsectors.

Table 15.9 Global historical emissions gases.

Table 15.10 Global historical emissions method of calculation.

Table 15.11 Global historical emissions focus of information presented.

Table 15.12 Global historical emissions chart type.

Table 15.13 Global warming potential, lifetime and primary source of super pollutants,
<https://www.americanprogress.org/article/super-pollutants-101/>

Table 17.1 Comparison of AOGMs and ESMs, CMIP5. <https://pcmdi.llnl.gov/index.html> and
https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_Chapter09_FINAL.pdf

Table 17.2 Comparison of AOGMs and ESMs, CMIP3. <https://pcmdi.llnl.gov/index.html> and
https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_Chapter09_FINAL.pdf

Table 17.3 Comparison of EMICs. <https://pcmdi.llnl.gov/index.html> and
https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_Chapter09_FINAL.pdf

Table 17.4 Confidence terminology used in IPCC reports.
https://www.ipcc.ch/site/assets/uploads/2017/08/AR5_Uncertainty_Guidance_Note.pdf

December 12, 2020 – Fifth Anniversary of the Paris Agreement

August 9, 2021 – Publication of IPCC AR6 WG1, Climate Change, The Physical Science Basis, February 28, 2022 IPCC AR6 WGII, Climate Change: Impacts, Adaptability and Vulnerability and April 4, 2022 IPCC AR6 WGIII, Climate Change: Mitigation

Guide to the Science of Climate Change in the 21st Century, August 14, 2021

Table 17.5 Agreement-evidence scale used in IPCC reports to aid in use of confidence descriptors.

https://www.ipcc.ch/site/assets/uploads/2017/08/AR5_Uncertainty_Guidance_Note.pdf

Table 17.6 Likelihood terminology used in IPCC reports.

Table 17.7 Method for IPCC usage of calibrated language.

Table 18.1 Description of representative concentration pathways RCP along with associated integrated assessment model, IAM.

Table 18.2 AR5 Percentage of CMIP5 models for which the projected change in global mean surface air temperature, relative to 1850-1900, crosses the specified temperature levels, by the specified time periods and assuming the specified RCP scenarios. From Table 11.3.

https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_Chapter11_FINAL.pdf

Table 18.3 CMIP5 annual mean surface air temperature anomalies (°C) from the 1986–2005 reference period for selected time periods, regions and RCPs. From Table 12.2.

https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_Chapter12_FINAL.pdf

Table 18.4 CMIP5 global annual mean temperature changes above 1850-1900 for the 2081–2100 period of each RCP scenario. From Table 12.3.

https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_Chapter12_FINAL.pdf

Table 18.5 Summary of the relevance of projected changes in major phenomena for mean change in regional climate.

https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_Chapter14_FINAL.pdf

Table 21.1 Description of Shared Socio-economic Pathways (SSPs) taken from Summary for Policymakers, Special Report Climate Change and Land. <https://www.ipcc.ch/srccl/>

Table 21.2 Shared socio-economic pathways explained in Special Report Global Warming of 1.5°C.

https://www.ipcc.ch/site/assets/uploads/sites/2/2019/05/SR15_Chapter2_Low_Res.pdf.

Table 21.3 Number of land and coastal regions (a) and open-ocean regions (b) where each climatic impact-driver is projected to increase or decrease with high confidence or medium confidence from AR6 WG1 simulations

https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_SPM.pdf.

Table 21.4 List of questions addressed in Carbon Brief In-depth Q&A: The IPCC's sixth assessment report on climate science. <https://www.carbonbrief.org/in-depth-qa-the-ipccs-sixth-assessment-report-on-climate-science>

December 12, 2020 – Fifth Anniversary of the Paris Agreement

August 9, 2021 – Publication of IPCC AR6 WG1, Climate Change, The Physical Science Basis, February 28, 2022 IPCC AR6 WGII, Climate Change: Impacts, Adaptability and Vulnerability and April 4, 2022 IPCC AR6 WGIII, Climate Change: Mitigation

Guide to the Science of Climate Change in the 21st Century, August 14, 2021

December 12, 2020 – Fifth Anniversary of the Paris Agreement

August 9, 2021 – Publication of IPCC AR6 WG1, Climate Change, The Physical Science Basis, February 28, 2022 IPCC AR6 WGII, Climate Change: Impacts, Adaptability and Vulnerability and April 4, 2022 IPCC AR6 WGIII, Climate Change: Mitigation

Guide to the Science of Climate Change in the 21st Century, August 14, 2021