

Guide to the Science of Climate Change in the 21st Century

Chapter 24 Selected Web Sites

David H. Manz
PhD., P. Eng., AOE, FCAE
2020



Table of Contents

Chapter 24	Selected Web Sites
	2.1 Educational
	2.2 Newsletters

December 12, 2020 – Fifth Anniversary of the Paris Agreement
August 9, 2021 – Publication of IPCC AR6 WG1, Climate Change, The Physical Science Basis
Guide to the Science of Climate Change in the 21st Century, August 14, 2021

24.1 Educational

There are a large number of web sites that one could review to gain insight into the science of climate change. The really useful ones are offered by reputable educational institutions. Many are available free. Just search 'course on climate change' and you'll find quite a few. Many colleges and universities offer under-graduate, graduate, and adult education programs.

A few sites of interest are:

1. edX courses on climate change <https://www.edx.org/learn/climate-change>
2. Climate Change MOOCs <https://www.mooc-list.com/tags/climate-change>
3. UN CC: e-Learn <https://uncclearn.org/>
4. Class central <https://www.classcentral.com/subject/climate-change>
5. Carleton Climate Commons <https://carleton.ca/climatecommons/climate-change-courses/>
6. American Museum of Natural History <https://www.amnh.org/learn-teach/seminars-on-science/courses/climate-change>
7. Oxford Climate Emergency Programme https://onlineprogrammes.sbs.ox.ac.uk/presentations/lp/oxford-climate-emergency-programme/?ef_id=c:497420060081_d:c_n:g_ti:kwd-347461175215_p:k:%2Bclimate%20%2Bchange%20%2Bcourse_m:b_a:116984347349&gclid=Cj0KCQiApsiBBhCKARIsAN8o_4gcCy-BIO4_A_FvfTsQpNqrhae93OrPw1LKO1yBxBdAE8df89j01i4aArR1EALw_wcB&gclsrc=aw.ds
8. World Health Organization <https://www.who.int/globalchange/training/en/>
9. Eco Canada – Royal Roads University <https://www.eco.ca/training/climate-change-certificate/>
10. Udemy <https://www.udemy.com/topic/climate-change/>
11. UN Environment Program Finance Initiative <https://www.unepfi.org/training/training/climate-change-training/online-course/>
12. U.S. Climate Resilience Toolkit <https://toolkit.climate.gov/training-courses>
13. UNESCO climate change education course for teachers <https://unesdoc.unesco.org/ark:/48223/pf0000219752>
14. Wikipedia https://en.wikipedia.org/wiki/Climate_change_education
15. Climate data Canada: Learning Zone <https://climatedata.ca/learn/>
16. World Meteorological Organization, Green Climate Fund, Swedish Meteorological and Hydrological Institute and World Climate Research Programme <https://climateinformation.org/>

Each course has a slightly different approach and emphasis. There are many more.

This Guide can serve as a supplement to the courses or vice versa.

It is very important to realize that scope of the science of climate change is very, very large. There are opportunities to study the subject in almost every discipline. There are many career opportunities.

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There are several so-called guides to climate change that are only a few pages long. These serve to inform the interested on what is meant by climate change. If your interest is piqued then close examination of one or more of the available courses, in conjunction with this guide, which is free, may be helpful.

A relatively new area of support is climate education in public schools, such as the Sustainability and education Policy Network, <https://sepn.ca/resources/report-building-climate-ready-schools-canada/>. UNESCO provides support for these initiatives through a variety of programs and resources, <https://aspnet.unesco.org/en-us/climate-education-education>.

24.2 Newsletters

These newsletters are intended to bring you into the world of discussion of the science of climate change. It still requires a little ‘poking around’ but the information and insights are often terrific. There are several others which you can find on your own. If you find a good one, let me know.

1. Carbon Brief. <https://www.carbonbrief.org/>
2. Climate Action. <https://www.climateaction.org/>
3. International Energy Agency. <https://www.iea.org/>
4. National Academy of Sciences, Engineering and Medicine. <https://www.nationalacademies.org/>
5. Bloomberg Green. <https://www.bloomberg.com/green>
6. Copernicus Newsletter. <https://www.copernicus.eu/en/sign-copernicus-newsletter>
7. World Resources Institute. <https://www.wri.org/>
8. Johannes Friedrich at World Resources Institute. <https://www.wri.org/profile/johannes-friedrich>
9. Climate Outreach. <https://climateoutreach.org/>
10. Climate Watch, World Resources Institute. <https://www.wri.org/our-work/project/climate-watch>
11. The Lancet. <https://www.thelancet.com/>
12. NASA Climate Change News. https://climate.nasa.gov/news/?page=0&per_page=40&order=publish_date+desc%2C+created_at+desc&search=&category=19%2C98 and <https://climate.nasa.gov/>
13. Nature Briefing. <https://www.nature.com/articles/d41586-019-03551-y>
14. Philippa Nuttall Jones. <https://energymonitor.ai/author/philippanuttalljones>
15. Pembina Institute. <https://www.pembina.org/>
16. United Nations Convention to Combat Desertification and newsletter. <https://www.unccd.int/about-us/secretariat>

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