

Website Description

The material on this Website consists of several folders:

- 1) “Skepticism” with various climate change myths and their explanations
- 2) “Global Warming Tutorial” in PowerPoint format containing our present (Feb. 2010) knowledge of global warming
- 3) “Global Warming Reports” with various publications on global warming.
- 4) “On Scientific Consensus” containing a talk and chapter on the scientific consensus of global warming
- 5) “Political Interference” with the U.S. House of Representatives report on Political Interference with Climate Change Science Under the Bush Administration (Dec. 2007)

In the skepticism folder is a “Climate Change Myths” article mostly from a New Scientist issue containing the most common climate myths and misconceptions and their explanations. Also there is an article (The Skeptics vs. the Ozone Hole”, by Dr. Jeffrey Masters) describing the discovery of the ozone hole and attacks by skeptics on that research similar to attacks on global warming research. There is also a compilation by the BBC of the ten most frequent attacks on climate change research and the real explanations for the assertions.

The ozone article describes the discovery of the ozone hole and the methods used by skeptics and deniers to discredit that research. The parallels to the deniers of global warming are very similar in most cases. One disturbing fact is that the researchers (1970s) underestimated the amount of ozone destruction. Instead of the estimated 5 to 7% loss by 1995, the loss measured from satellites in the 1990s was about 70% in Antarctica and 30% in the Arctic in the spring, 8% in Australia in the summer, 15% in New Zealand in the summer, and about 3% globally year-round. This could well be the case for estimates of the rise in average global temperatures by climate scientists based on new studies since the IPCC science report. They could be significantly higher than predicted by computer models. There are other cases where the computer models seem to underestimate the magnitude or time-scale of the changes caused by global warming. One of these (Arctic summer sea ice decline) is shown in the PowerPoint Tutorial.

In the PowerPoint tutorial, explanations for the material in most slides are shown in the “normal view” format. The material in this presentation comes from my book (“Hot House: Global Climate Change and the Human Condition”, Copernicus Press, 2007), and from articles in the latest peer reviewed science literature, including recent governmental reports. Many of the graphs are new since the book’s publication. I consider this PowerPoint tutorial to be the most important part of the Website, because it brings the reader up-to-date on developments of global climate change research. It is divided into 13 parts, each of which can be easily downloaded. The material in the Impacts on U.S. part is largely taken from the government report “Global Climate Change Impact in the United States”. If you use any of this material you should cite the original source, which is given for each figure in the report.

In the Global Warming Reports folder are 14 reports as follows:

1. Global Climate Change Impacts in the United States, U.S. Global Change Research Program, Cambridge University Press, 2009.
2. Synthesis Report from Climate Change, Global Risks, Challenges and Decisions, Copenhagen 2009, 10-12 March, University of Copenhagen.
3. CCSP, 2008: *Analyses of the effects of global change on human health and welfare and human systems*. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research. [Gamble, J.L. (ed.), K.L. Ebi, F.G. Sussman, T.J. Wilbanks, (Authors)]. U.S. Environmental Protection Agency, Washington, DC, USA.
4. Mike Hulme, Henry Neufeldt, Helen Colyer (eds.) 2009. *Adaptation and Mitigation Strategies: Supporting European Climate Policy. The Final Report from the ADAM Project*. Tyndall Centre for Climate Change Research, University of East Anglia, Norwich, UK
5. *The US Impacts of Climate Change and the Costs of Inaction*. Center for Integrative Research, University of Maryland, October 2007.
6. Essay by J. Hansen, et al., *If It’s That Warm, How Come It’s So Darned Cold?*, Jan. 15, 2010.

7. The Age of Consequences: The Foreign Policy and National Security Implications of Global Climate Change, Center for Strategic and International Studies/ Center for a New American Security, November 2007.

8. International Panel of Climate Change; Impacts, Mitigation, Science and Report Summaries, 2007.

9. *The Copenhagen Diagnosis, 2009: Updating the World on the Latest Climate Science*. I. Allison, N.L. Bindoff, R.A. Bindenschadler, P.M. Cox, N. de Noblet, M.H. England, J.E. Francis, N. Gruber, A.M. Haywood, D.J. Karoly, G. Kaser, C. Le Quéré, T.M. Lenton, M.E. Mann, B.I. McNeil, A.J. Pitman, S. Rahmstorf, E. Rignot, H.J. Schellnhuber, S.H. Schneider, S.C. Sherwood, R.C.J. Somerville, K. Steffen, E.J. Steig, M. Visbeck, A.J. Weaver. The University of New South Wales Climate Change Research Centre (CCRC), Sydney, Australia, 60pp.

10. Suffering the Science, Oxfam Paper, Climate change, people, and poverty, Oxfam International, July 6, 2009.

11. Discussion of The Emails Hacked from the University of East Anglia's Climatic Research Unit, PEW Center of Global Climate Change, Jan. 2010. The so-called "Climategate" incident.

12. Explanation of the error in the IPCC 2007 report stating the Himalayan glaciers would disappear by 2035. The so-called "Glaciergate" incident.

13. Climate Change: Science Compendium 2009, United Nations Environmental Program.

14. World Energy Outlook 2009 and Key World Energy Statistics 2009, International Energy Agency, 2009.

The "On Scientific Consensus" folder contains a talk and a chapter by Dr. Naomi Oreskes, University of California, San Diego, on consensus in science, and the science consensus on global warming and its primary cause. This material is particularly important for the non-scientist, and even some scientists, to understand when the media, politicians and others mention it with respect to global warming.

In the "Political Interference" folder is the report by the Committee on Oversight and Government Reform of the U.S. House of Representatives

titled “Political Interference with Climate Change Science Under the Bush Administration”. It details various instances of tampering with the science findings on global warming to suit the Bush administration’s policies.

There is also a list of WEB sites that will keep you up-to-date on current happenings in global warming research. This list is by no means complete, but it will provide new information on various aspects of climate change.

This Website will be modified from time-to-time as new material appears in the literature, so it is important to check it periodically to view new results. I hope you find this material interesting and informative.

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