

Appendix A

Leipzig Declaration

The Leipzig Declaration was originally published in 1996, and revised in 2005.

The 2005 text is provided below. More information can be found at:

<http://www.sepp.org/policy%20declarations/LDrevised.html>

THE LEIPZIG DECLARATION ON GLOBAL CLIMATE CHANGE (2005, revised)

As independent scientists researching atmospheric and climate problems, we -- along with many of our fellow citizens -- are apprehensive about the Climate Treaty conference scheduled for Kyoto, Japan, in December 1997. This gathering of politicians from some 160 signatory nations aims to impose -- on citizens of the industrialized nations, but not on others -- a system of global environmental regulations that include quotas and punitive taxes on energy fuels.

Fossil fuels provide today's principal energy source, and energy is essential for all economic growth. Stabilizing atmospheric carbon dioxide -- the announced goal of the Climate Treaty -- would require that fuel use be cut by as much as 60 to 80 percent -- worldwide!

In a world in which poverty is the greatest social pollutant, any restriction on energy use that inhibits economic growth should be viewed with caution. We understand the motivation to eliminate what are perceived to be the driving forces behind a potential climate change; but we believe the emerging Kyoto protocol -- to curtail carbon dioxide emissions from only part of the world community -- is dangerously simplistic, quite ineffective, and economically destructive to jobs and standards-of-living.

More to the point, we consider the scientific basis of the 1992 Global Climate Treaty to be flawed and its goal to be unrealistic. The policies to implement the Treaty are, as of now, based solely on unproven scientific theories, imperfect computer models -- and the unsupported assumptions that catastrophic global warming follows from the burning of fossil fuels and requires immediate action. We do not agree. We believe that the dire predictions of a future warming have not been validated by the existing climate record. These predictions are based on nothing more than theoretical models and cannot be relied on.

As the debate unfolds, it has become increasingly clear that -- contrary to the conventional wisdom -- there does not exist today a general scientific consensus about the importance of greenhouse warming from rising levels of carbon dioxide. In fact, many climate specialists now

agree that actual observations from weather satellites show no global warming whatsoever--in direct contradiction to computer model results.

Historically, climate has always been a factor in human affairs -- with warmer periods, such as the medieval "climate optimum," playing an important role in economic expansion and in the welfare of nations that depend primarily on agriculture. Colder periods have caused crop failures, and led to famines, disease, and other documented human misery. We must, therefore, remain sensitive to any and all human activities that could affect future climate.

However, based on all the evidence available to us, we cannot subscribe to the politically inspired world view that envisages climate catastrophes and calls for hasty actions. For this reason, we consider the drastic emission control policies likely to be endorsed by the Kyoto conference -- lacking credible support from the underlying science -- to be ill-advised and premature.

 This statement is based on the International Symposium on the Greenhouse Controversy, held in Leipzig, Germany on Nov. 9-10, 1995, and in Bonn, Germany on Nov. 10-11, 1997. For further information, contact the Europaeische Akademie fuer Umweltfragen (fax +49-7071-72939) or The Science and Environmental Policy Project in Fairfax, Virginia (fax +1-703-352-7535).

SIGNATORIES

The following is a partial list only. Following the Kyoto Conference on global warming, the original Declaration was slightly amended. The posting of 33 additional signatories is pending verification that the scientists still agree with the statement. The list will be updated as these verifications come in.

Dr. John Apel, oceanographer, Global Oceans Associates, formerly with Johns Hopkins University Applied Physics Laboratory.

Dr. David Aubrey, Senior Scientist, Marine Policy Center, Woods Hole Oceanographic Institute, Massachusetts

Dr. Duwayne M. Anderson, Professor, Texas A&M University

Dr. Robert Balling, Professor and Director of the Office of Climatology, Arizona State University; more than 80 research articles published in scientific journals; author of *The Heated Debate: Greenhouse Predictions vs. Climate Reality* (1992); coauthor, *Interactions of Desertifications and Climate*, a report for the UN Environmental Program and the World Meteorological Organization; contributor/reviewer, IPCC.

Dr. Jack Barrett, Imperial College, London, UK

Dr. Warren Berning, atmospheric physicist, New Mexico State University

Dr. Jiri Blumel, Institute Sozialokon. Forschg. Usti nad Labem, Czech Republic

Bruce Boe, atmospheric scientist and Director of the North Dakota Atmospheric Resources Board; member, American Meteorological Society; former chairman, AMS Committee on Planned and Inadvertent Weather Modification.

Dr. C.J.F. Böttcher, Chairman of the Board, The Global Institute for the Study of Natural Resources, The Hague, The Netherlands; Professor Emeritus of physical chemistry, Leiden University; past President of the Science Policy Council of The Netherlands; former member, Scientific Council for Government Policy; former head of the Netherlands Delegation to the OECD Committee for Science and Technology; author, *The Science and Fiction of the Greenhouse Effect and Carbon Dioxide*; founding member of The Club of Rome.

Dr. Arthur Bourne, Professor, University of London, UK

Larry H. Brace, physicist, former director of the Planetary Atmospheres Branch, NASA Goddard Space Flight Center; recipient NASA Medal for Exceptional Scientific Achievement.

Dr. Norman M.D. Brown, FRSC, Professor, University of Ulster.

Dr. R.A.D. Byron-Scott, meteorologist, formerly senior lecturer in meteorology, Flinders Institute for Atmospheric and Marine Science, Flinders University, Adelaide, Australia

Dr. Joseph Cain, Professor of planetary physics and geophysics, Geophysical Fluid Dynamics Institute, Florida State University; elected Fellow, American Geophysical Union; formerly with NASA Goddard Space Flight Center (scientific satellites) and the U.S. Geological Survey.

Dr. Gabriel T. Csanady, meteorologist, Eminent Professor, Old Dominion University, Norfolk, Virginia.

Robert Cunningham, consulting meteorologist, Fellow, American Meteorological Society

Dr. Fred W. Decker, Professor of meteorology, Oregon State University, Corvallis, Oregon; elected Fellow, AAAS; member, RMS, NWA, AWA, AMS.

Lee W. Eddington, meteorologist, Naval Air Warfare Center

Dr. Hugh Ellsaesser, atmospheric scientist, Lawrence Livermore National Laboratory (1963-1986); Participating Guest Scientist, Lawrence Livermore Natl. Lab. (1986-1996), more than 40 refereed research papers and major reports in the scientific literature.

Dr. John Emsley, Imperial College, London, UK

Dr. Otto Franzle, Professor, University of Kiel, Germany

Dr. C.R. de Freitas, climate scientist, University of Auckland, New Zealand, Editor of the international journal *Climate Research*

Dr. John E. Gaynor, Senior Meteorologist, Environmental Technology Laboratory, National Oceanic and Atmospheric Administration, Boulder, Colorado

Dr. Tor Ragnar Gerholm, Professor Emeritus of Physics, University of Stockholm, member of Nobel Prize selection committee for physics; member, Royal Swedish Academy of Sciences and Royal Swedish Academy of Engineering Sciences, author of several books on science and technology.

Dr. Gerhard Gerlich, Professor, Technical University of Braunschweig.

Dr. Thomas Gold, Professor of astrophysics, Cornell University, Ithaca, New York

Dr. H.G. Goodell, Professor, University of Virginia, Charlottesville

James D. Goodridge, climatologist, formerly with California Dept. of Water Resources.

Dr. Adrian Gordon, meteorologist, University of South Australia.

Prof. Dr. Eckhard Grimmel, Professor, University Hamburg, Germany.

Dr. Nathaniel B. Guttman, Research Physical Scientist, National Climatic Data Center, Asheville, North Carolina; former Professor of atmospheric sciences/climatology; former Chairman, AMS Committee on Applied Climatology.

Dr. Paul Handler, Professor of chemistry, University of Illinois.

Dr. Vern Harnapp, Professor, University of Akron, Ohio

Dr. Howard C. Hayden, Professor of physics, University of Connecticut

Dr. Michael J. Hignsberger, Professor and former Director, Institute for Experimental Physics, University of Vienna, Austria; former Director, Seibersdorf Research Center of the Austrian Atomic Energy Agency; former President, Austrian Physical Society.

Dr. Austin W. Hogan, meteorologist, co-editor of the journal *Atmospheric Research*.

Dr. William Hubbard, Professor, University of Arizona, Dept. of Planetary Sciences; elected Fellow of the American Geophysical Union.

Dr. Heinz Hug, lecturer, Wiesbaden, Germany

Dr. Zbigniew Jaworski, University of Warsaw, Poland

Dr. Kelvin Kemm, nuclear physicist, Director, Technology Strategy Consultants, Pretoria, South Africa; columnist, *Engineering News*; author, *Techtrack: A Winding Path of South African Development*.

Dr. Robert L. Kovach, Professor of geophysics, Stanford University, Palo Alto, California

Dr. David R. Legates, Professor of meteorology, University of Oklahoma

Dr. Heinz H. Lettau, geophysicist, Increase A. Lapham Professor Emeritus, University of Wisconsin

Dr. Henry R. Linden, Max McGraw Professor of Energy and Power Engineering and Management, Director, Energy and Power Center, Illinois Institute of Technology; elected Fellow, American Institute of Chemical Engineers; former member, Energy Engineering Board of the National Research Council; member, Green Technology Committee, National Academy of Engineering.

Dr. Richard S. Lindzen, Sloane Professor of Meteorology, Center for Meteorology and Physical Meteorology, Massachusetts Institute of Technology, Cambridge, Massachusetts.

Dr. J. P. Lodge, atmospheric chemist, Boulder, Colorado

Dr. Anthony R. Lupo, atmospheric scientist, Professor, University of Missouri at Columbia, reviewer/contributing author, IPCC.

Dr. George E. McVehil, meteorologist, Englewood, Colorado

Dr. Helmut Metzner, Professor, Tübingen, Germany

Dr. Patrick J. Michaels, Professor and Director of the State Office of Climatology, University of Virginia; more than 50 research articles published in scientific journals; past President, American Association of State Climatologists; author, *Sound and Fury: The Science and Politics of Global Warming* (1992); reviewer/contributing author, IPCC.

Sir William Mitchell, physicist, University of Oxford, U.K.

Dr. Asmund Moene, former chief of Meteorology, Oslo, Norway.

Laim Nagle, energy/engineering specialist, Cornfield University, UK

Robert A. Neff, former U.S. Air Force meteorologist: member, AMS, AAAS.

Dr. William A. Nierenberg, Director Emeritus, Scripps Institute of Oceanography, La Jolla, California; Professor Emeritus of oceanography, University of California at San Diego; former member, Council of the U.S. National Academy of Science; former Chairman, National Research Council's Carbon Dioxide Assessment Committee; former member, U.S. EPA Global Climate Change Committee; former Assistant Secretary General of NATO for scientific affairs; former Chairman, National Advisory Committee on Oceans and Atmospheres.

Dr. William Porch, atmospheric physicist, Los Alamos National Laboratory, New Mexico.

Dr. Harry Priem, Professor of geology, University of Utrecht

Dr. William E. Reifsnyder, Professor Emeritus of biometeorology, Yale University; elected Fellow, American Association for the Advancement of Science; former Chairman, National Academy of Science/National Research Council Committee on Climatology; AMS Award for Outstanding Achievement in Biometeorology.

Dr. Alexander Robertson, meteorologist, Adjunct Professor, Memorial University of Newfoundland, Canada; author of more than 200 scientific and technical publications in biometeorology and climatology, forestry, forest ecology, urban environmental forestry, and engineering technology.

Dr. Thomas Schmidlin, CCM, Professor of meteorology/climatology, Kent State University, Ohio; editor, *Ohio Journal of Science*, elected Fellow, Ohio Academy of Science; member, AMS.

Dr. Frederick Seitz, physicist, former President, Rockefeller University, former President, U.S. National Academy of Sciences; former member, President's Science Advisory Committee; recipient, U.S. National Medal of Science.

Dr. Gary D. Sharp, Executive Director, Center for Climate/Ocean Resources Study and the Cooperative Institute for Research in the Integrated Ocean Sciences; contributed to the initial development of the Climate Change Program of the National Oceanic And Atmospheric Administration; investigated climate-related resource variabilities, sustainable development, and basic environmental climatology for the UN, World Bank, and USAID.

Dr. S. Fred Singer, atmospheric physicist; President, The Science & Environmental Policy Project; former Director, U.S. Weather Satellite Service; Professor Emeritus of environmental science, University of Virginia; former Chairman, federal panel investigating effects of the SST on stratospheric ozone; author or editor of 16 books, including *Global Climate Change* (1989) and *Hot Talk, Cold Science: Global Warming's Unfinished Debate* (1997).

Dr. A. F. Smith, chemical engineer (ret.), Jacksonville, Florida

Dr. Fred J. Starheim, Professor, Kent State University

Dr. Chauncey Starr, President Emeritus, Electric Power Research Institute, winner 1992 National Medal of Engineering

Dr. Robert E. Stevenson, Secretary General Emeritus, International Association for the Physical Sciences of the Oceans, and a leading world authority on space oceanography; more than 100 research articles published in scientific journals; author of seven books; advisor to NASA, NATO, U.S. National Academy of Science, and the European Geophysical Society.

Dr. George Stroke, Professor, Max Planck Institute for Meteorology, Munich, Germany

Dr. Heinz Sundermann, University of Vienna, Austria

Dr. George H. Sutton, Professor Emeritus, University of Hawaii

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Dr. Vladimir Svidersky, Professor, Sechenov Institute, Moscow, Russia

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Dr. Christiaan Van Sumere, Professor, University of Gent, Belgium

Dr. Robin Vaughn, physicist, University of Dundee, UK

Dr. Robert C. Wentworth, geophysicist, Oakland, California, formerly with Lockheed Research Laboratory.

Dr. Robert C. Whitten, physicist, formerly with NASA.

Dr. Klaus Wyrtki, Professor Emeritus, University of Hawaii Sea Level Center

TELEVISION NEWS METEOROLOGISTS

(affiliation for identification purposes only)

Elliot Abrams, meteorologist, Senior Vice President, Accuweather, Inc.**Richard Apuzzo**, meteorologist, WXIX-TV (FOX), Cincinnati, Ohio; member, AMS, NWA, SKYWARN; recipient of "Best Weathercast" awards from Associated Press and United Press International.**Andre Bernier**, meteorologist, WJW-TV (FOX), Cleveland, Ohio**Sallie Bernier**, meteorologist, WJW-TV (FOX), Cleveland, Ohio**Bob Breck**, meteorologist, WVUE-TV (ABC), New Orleans, Louisiana**Matthew Bye**, meteorologist, KPIX-TV (CBS) San Francisco, California**A.J. Colby**, meteorologist, WICU-TV (NBC), Erie, Pennsylvania**Dr. Neil L. Frank**, meteorologist, HOU-TV (CBS), Houston, Texas, former Director, National Hurricane Center.**Dick Gance**, meteorologist, Weather Forecasting, Inc., Concord, Ohio**Dick Goddard**, meteorologist, WJW-TV (FOX), Cleveland, Ohio**Shane Hollett**, meteorologist, WJW-TV (FOX), Cleveland, Ohio**Mark Johnson**, meteorologist, WEWS-TV (ABC), Cleveland, Ohio**Roy Leep**, meteorologist, WTVT-TV (CBS), recently retired; Director, Gillette Weather Data Services, Tampa, Florida; elected Fellow, American Meteorological Society; former member, AMS Executive Council; among the group of TV meteorologists invited to the White House for a briefing on global warming.**Mark Koontz**, meteorologist, WJW-TV (FOX), Cleveland, Ohio**Jon Loufman**, meteorologist, WKYC-TV (NBC), Cleveland, Ohio**Dan Maly**, meteorologist, WOIO-TV (FOX), Cleveland, Ohio**Ryan McPike**, atmospheric scientist, WICU-TV (NBC), Erie, Pennsylvania**James T. Moore**, meteorologist, KSWO-TV (ABC) Lawton, Oklahoma**Scott R. Sabol**, meteorologist, WBOY-TV (NBC), Clarksburg, West Virginia**Dr. Joseph Sobel**, meteorologist, Pennsylvania Public Television Network; Senior Vice President, Accu-Weather, Inc., State College, Pennsylvania; co-author, *Changing Weather: Facts and Fallacies About Climate Change and Weather Extremes*.**Brad Sussman**, meteorologist, WEWS-TV (ABC), Cleveland, Ohio, AMS, NWA, Broadcast Seal Committee Chair NWA.**Brian Sussman**, meteorologist, KPIX-TV (CBS) San Francisco, California; member, American Meteorological Society (served on AMS Education Committee), 12-time recipient of the "Best Weathercast" award from the Radio and Television News Directors Association and Associated Press.**Anthony Watts**, meteorologist, KHSL-TV (CBS), Chico, California**Don Webster**, meteorologist, WEWS-TV 9 (ABC), Cleveland, Ohio**Brian Westfall**, meteorologist, Weather Forecasting, Inc., Akron, OhioSource: <http://www.sepp.org/policy%20declarations/LDrevised.html>