



Fresh Air. The Scent of Pine.

Human Impacts on the Global Biosphere: A Guide to the Consensus

February 2011

"The Earth's climate is now clearly out of balance and is warming. Many components of the climate system—including the temperatures of the atmosphere, land and ocean, the extent of sea ice and mountain glaciers, the sea level, the distribution of precipitation, and the length of seasons—are now changing at rates and in patterns that are not natural and are best explained by the increased atmospheric abundances of greenhouse gases and aerosols generated by human activity during the 20th century."

- American Geophysical Union, December 2007

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1 Introduction

Science is not conducted by consensus. Scientific theories are formulated to explain the behavior of the natural world based on observations. Over time, theories are either updated or rejected in favor of new theories based on new observations and new data. As a theory withstands the test of time and the incorporation of new knowledge its general acceptance within the scientific community grows.

So, while widespread acceptance of a theory is not, in and of itself, a validation of the theory, it can serve to reflect its robustness, particularly if that theory has been in existence for a considerable length of time and has been the subject of lengthy and diverse validation.

That carbon emissions from the industrial activities of mankind could substantially impact the global biosphere has been theorized for well over a hundred years. During that time, this theoretical premise has been subjected to continual validation as our knowledge of the natural operations of our world has grown. Technological advances have increased our observational capabilities immensely, enabling us to observe the conditions of land masses, the oceans, and the atmosphere like never before. Through these decades of observations and validation, the evidence in support of this theory has accumulated and grown stronger. As a result, it should not be surprising that acceptance of the fundamental precepts of the theory within the scientific community is near universal.

This paper is not intended to present these theoretical concepts or the arguments and evidence in support of them, and the existence of this consensus should not be interpreted as validation. Such validation can and should only be found within the confines of the peer-reviewed scientific literature. This paper's sole intent is to illuminate the acceptance of mankind's global impact by those within the scientific community, particularly those operating in fields related to climate change.

The list contains scientific organizations around the world that acknowledge the global impact of rising atmospheric greenhouse gas concentrations from human activities. While many more organizations could likely be added, the list is limited to those that have either issued a singular statement of their own or signed in agreement to a collective statement regarding the anthropogenic impact of rising emissions on global climate and the global biosphere.

All statements have been issued since 2001.

At present, there are 163 organizations on the list that span all continents outside of Antarctica.

2 Alphabetical Listing

- Academia Brasileira de Ciências, Brazil
- Academia Chilena de Ciencias
- Academia das Ciencias de Lisboa
- Academia de Ciencias de la República Dominicana
- Academia de Ciencias Físicas, Matemáticas y Naturales de Venezuela
- Academia de Ciencias Medicas, Fisicas y Naturales de Guatemala
- Academia Mexicana de Ciencias, Mexico
- Academia Nacional de Ciencias de Bolivia
- Academia Nacional de Ciencias del Peru
- Academia Sinica, Taiwan, China
- Academy of Athens
- Academy of Science of Mozambique
- Academy of Science of South Africa
- Academy of Sciences of Moldova
- Academy of Sciences of the Czech Republic
- Academy of Sciences of the Islamic Republic of Iran
- Academy of Scientific Research and Technology, Egypt
- Academy of the Royal Society of New Zealand
- Académie des Sciences et Techniques du Sénégal
- Académie des Sciences, France
- Accademia Nazionale dei Lincei, Italy
- Africa Centre for Climate and Earth Systems Science
- African Academy of Sciences
- Akademi Sains Malaysia
- Albanian Academy of Sciences
- Amazon Environmental Research Institute
- American Association for the Advancement of Science
- American Association of State Climatologists (AASC)
- American Astronomical Society
- American Chemical Society
- American Geophysical Union

"The current rate of change is much more rapid than during any event over the last 65 million years. These changes in ocean chemistry are irreversible for many thousands of years, and the biological consequences could last much longer."

**- InterAcademy Panel
June 2009**

- American Institute of Biological Sciences
- American Institute of Physics
- American Meteorological Society
- American Physical Society
- American Quaternary Association
- American Society for Microbiology
- American Society of Agronomy
- American Society of Civil Engineers
- American Society of Plant Biologists
- American Statistical Association
- Association of Ecosystem Research Centers
- Australian Academy of Science
- Australian Coral Reef Society
- Australian Institute of Marine Science
- Australian Marine Sciences Association
- Australian Meteorological and Oceanographic Society (AMOS)
- Bangladesh Academy of Sciences
- Botanical Society of America
- British Antarctic Survey
- Bulgarian Academy of Sciences
- California Academy of Sciences
- Cameroon Academy of Sciences
- Canadian Association of Physicists (CAP)
- Canadian Foundation for Climate and Atmospheric Sciences
- Canadian Geophysical Union (CGU)
- Canadian Meteorological and Oceanographic Society (CMOS)
- Canadian Society of Soil Science (CSSS)
- Canadian Society of Zoologists (CSZ)
- Caribbean Academy of Sciences
- Center for International Forestry Research
- Chinese Academy of Sciences
- Colombian Academy of Exact, Physical and Natural Sciences
- Commonwealth Scientific and Industrial Research Organisation (CSIRO) (Australia)
- Consultative Group on International Agricultural Research
- Croatian Academy of Arts and Sciences
- Crop Science Society of America
- Cuban Academy of Sciences
- Delegation of the Finnish Academies of Science and Letters
- Deutsche Akademie der Naturforscher, Leopoldina, Germany
- Ecological Society of America

- Ecological Society of Australia
- European Academy of Sciences and Arts
- European Federation of Geologists
- European Geosciences Union
- European Physical Society
- European Science Foundation – Marine Board
- Federation of Australian Scientific and Technological Societies
- Geological Society of America
- Geological Society of Australia
- Geological Society, The (UK)
- Georgian Academy of Sciences
- Ghana Academy of Arts and Sciences
- Indian National Science Academy, India
- Indonesian Academy of Sciences
- Institute of Ecology and Environmental Management
- International Alliance of Research Universities
- International Arctic Science Committee
- International Association for Great Lakes Research
- International Council for Science
- International Council of Academies of Engineering and Technological Sciences
- International Research Institute for Climate and Society
- International Union for Quaternary Research
- International Union of Geodesy and Geophysics
- International Union of Pure and Applied Physics
- Islamic World Academy of Sciences
- Israel Academy of Sciences and Humanities
- Kenya National Academy of Sciences
- Korean Academy of Science and Technology
- Kosovo Academy of Sciences and Arts
- Latin American Academy of Sciences
- Latvian Academy of Sciences
- Lithuanian Academy of Sciences
- Madagascar National Academy of Arts, Letters, and Sciences
- Mauritius Academy of Science and Technology
- Met Office, UK
- Montenegrin Academy of Sciences and Arts
- National Academy of Exact, Physical and Natural Sciences, Argentina
- National Academy of Sciences of Armenia
- National Academy of Sciences of the Kyrgyz Republic
- National Academy of Sciences, Sri Lanka

- National Academy of Sciences, United States of America
- National Aeronautics and Space Administration
- National Association of State Foresters
- National Council of Engineers Australia
- National Institute of Water & Atmospheric Research, New Zealand
- National Oceanic and Atmospheric Administration
- Natural England
- Natural Environment Research Council, UK
- Natural Science Collections Alliance
- Nicaraguan Academy of Sciences
- Nigerian Academy of Sciences
- Norwegian Academy of Sciences and Letters
- Oklahoma Climatological Survey
- Organization of Biological Field Stations
- Pakistan Academy of Sciences
- Palestine Academy for Science and Technology
- Romanian Academy
- Royal Academies for Science and the Arts of Belgium
- Royal Academy of Exact, Physical and Natural Sciences of Spain
- Royal Danish Academy of Sciences and Letters
- Royal Irish Academy
- Royal Meteorological Society
- Royal Netherlands Academy of Arts and Sciences
- Royal Netherlands Institute for Sea Research
- Royal Scientific Society of Jordan
- Royal Society of Canada
- Royal Society, United Kingdom
- Royal Swedish Academy of Sciences
- Russian Academy of Sciences
- Science Council of Japan
- Scientific Committee on Antarctic Research
- Scripps Institution of Oceanography
- Serbian Academy of Sciences and Arts
- Slovak Academy of Sciences
- Slovenian Academy of Sciences and Arts

"Over the past decade, the scientific evidence...that deleterious environmental change is occurring, has become irrefutable....These changes are to a large measure due to human activities..."

**- International Council for Science
September 2009**

- Society for Ecological Restoration International
- Society for Industrial and Applied Mathematics
- Society of American Foresters
- Society of Biology, UK
- Society of Systematic Biologists
- Soil Science Society of America
- Sudanese National Academy of Science
- Tanzania Academy of Sciences
- Turkish Academy of Sciences
- TWAS, The Academy of Sciences for the Developing World
- Uganda National Academy of Sciences
- Union der Deutschen Akademien der Wissenschaften
- University Corporation for Atmospheric Research
- Woods Hole Oceanographic Institution
- World Forestry Congress
- Zambia Academy of Sciences
- Zimbabwe Academy of Sciences

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By Continent and Country

The members of the list represent every continent on the planet.

North America

Canada

- Canadian Association of Physicists (CAP)
- Canadian Foundation for Climate and Atmospheric Sciences
- Canadian Geophysical Union (CGU)
- Canadian Meteorological and Oceanographic Society (CMOS)
- Canadian Society of Soil Science (CSSS)
- Canadian Society of Zoologists (CSZ)
- Royal Society of Canada

Cuba

- Cuban Academy of Sciences

Dominican Republic

- Academia de Ciencias de la República Dominicana

Guatemala

- Academia de Ciencias Medicas, Fisicas y Naturales de Guatemala

Mexico

- Academia Mexicana de Ciencias, Mexico

Nicaragua

- Nicaraguan Academy of Sciences

United States of America

- American Association for the Advancement of Science
- American Association of State Climatologists (AASC)
- American Astronomical Society
- American Chemical Society
- American Geophysical Union
- American Institute of Biological Sciences
- American Institute of Physics
- American Meteorological Society
- American Physical Society
- American Quaternary Association
- American Society for Microbiology

- American Society of Agronomy
- American Society of Civil Engineers
- American Society of Plant Biologists
- American Statistical Association
- Association of Ecosystem Research Centers
- Botanical Society of America
- California Academy of Sciences
- Crop Science Society of America
- Ecological Society of America
- Geological Society of America
- National Academy of Sciences, United States of America
- National Aeronautics and Space Administration
- National Association of State Foresters
- National Oceanic and Atmospheric Administration
- Natural Science Collections Alliance
- Oklahoma Climatological Survey
- Organization of Biological Field Stations
- Scripps Institution of Oceanography
- Society for Industrial and Applied Mathematics
- Society of American Foresters
- Society of Systematic Biologists
- Soil Science Society of America
- University Corporation for Atmospheric Research
- Woods Hole Oceanographic Institution

"Addressing the impacts of climate change is one of the greatest challenges facing the global community. While individual commitment to modifying the human impact on the environment is needed, this response must be led by governments, industry and academia."

**- International Alliance of
Research Universities
February 2009**

Miscellaneous

- Caribbean Academy of Sciences

South America

Argentina

- National Academy of Exact, Physical and Natural Sciences, Argentina

Bolivia

- Academia Nacional de Ciencias de Bolivia

Brazil

- Academia Brasileira de Ciências, Brazil
- Amazon Environmental Research Institute

Chile

- Academia Chilena de Ciencias

Colombia

- Colombian Academy of Exact, Physical and Natural Sciences

Peru

- Academia Nacional de Ciencias del Peru

Venezuela

- Academia de Ciencias Físicas, Matemáticas y Naturales de Venezuela

Europe

Albania

- Albanian Academy of Sciences

Belgium

- Royal Academies for Science and the Arts of Belgium

Bulgaria

- Bulgarian Academy of Sciences

Croatia

- Croatian Academy of Arts and Sciences

Czech Republic

- Academy of Sciences of the Czech Republic

Denmark

- Royal Danish Academy of Sciences and Letters

Finland

- Delegation of the Finnish Academies of Science and Letters

France

- Académie des Sciences, France

Georgia

- Georgian Academy of Sciences

Germany

- Deutsche Akademie der Naturforscher, Leopoldina, Germany
- Union der Deutschen Akademien der Wissenschaften

Greece

- Academy of Athens

Ireland

- Royal Irish Academy

Italy

- Accademia Nazionale dei Lincei, Italy

Kosovo

- Kosovo Academy of Sciences and Arts

Latvia

- Latvian Academy of Sciences

Lithuania

- Lithuanian Academy of Sciences

Moldova

- Academy of Sciences of Moldova

Montenegro

- Montenegrin Academy of Sciences and Arts

Netherlands

- Royal Netherlands Academy of Arts and Sciences
- Royal Netherlands Institute for Sea Research

Norway

- Norwegian Academy of Sciences and Letters

Romania

- Romanian Academy

Serbia

- Serbian Academy of Sciences and Arts

"Observations throughout the world make it clear that climate change is occurring, and rigorous scientific research demonstrates that the greenhouse gases emitted by human activities are the primary driver."

**- Joint letter to U.S. Senate from
18 U.S. scientific organizations
October 2009**

Slovenia

- Slovenian Academy of Sciences and Arts

Slovakia

- Slovak Academy of Sciences

Spain

- Academia das Ciencias de Lisboa
- Royal Academy of Exact, Physical and Natural Sciences of Spain

Sweden

- Royal Swedish Academy of Sciences

United Kingdom

- British Antarctic Survey
- Geological Society, The (UK)
- Institute of Ecology and Environmental Management
- Met Office, UK
- Natural England
- Natural Environment Research Council, UK
- Royal Meteorological Society
- Royal Society, United Kingdom
- Society of Biology, UK

Miscellaneous

- European Academy of Sciences and Arts
- European Federation of Geologists
- European Geosciences Union
- European Physical Society
- European Science Foundation – Marine Board

Asia

Armenia

- National Academy of Sciences of Armenia

Bangladesh

- Bangladesh Academy of Sciences

China

- Academia Sinica, Taiwan, China
- Chinese Academy of Sciences, China

India

- Indian National Science Academy, India

Indonesia

- Center for International Forestry Research
- Indonesian Academy of Sciences

Iran

- Academy of Sciences of the Islamic Republic of Iran

Israel

- Israel Academy of Sciences and Humanities

Japan

- Science Council of Japan

Jordan

- Royal Scientific Society of Jordan

Korea

- Korean Academy of Science and Technology

"Greenhouse gas emissions are changing the Earth's energy balance on a planetary scale in ways that affect the climate over long periods of time."

- American Physical Society

April 2010

Kyrgyzstan

- National Academy of Sciences of the Kyrgyz Republic

Malaysia

- Akademi Sains Malaysia

Pakistan

- Pakistan Academy of Sciences

Russia

- Russian Academy of Sciences

Sri Lanka

- National Academy of Sciences, Sri Lanka

Turkey

- Turkish Academy of Sciences

Miscellaneous

- Islamic World Academy of Sciences
- Palestine Academy for Science and Technology

Africa

Cameroon

- Cameroon Academy of Sciences

Egypt

- Academy of Scientific Research and Technology, Egypt

Kenya

- Kenya National Academy of Sciences

Ghana

- Ghana Academy of Arts and Sciences

Madagascar

- Madagascar National Academy of Arts, Letters, and Sciences

Mauritius

- Mauritius Academy of Science and Technology

Mozambique

- Academy of Science of Mozambique

Nigeria

- Nigerian Academy of Sciences

Senegal

- Académie des Sciences et Techniques du Sénégal

South Africa

- Academy of Science of South Africa

Sudan

- Sudanese National Academy of Science

Tanzania

- Tanzania Academy of Sciences

Uganda

- Uganda National Academy of Sciences

Zambia

- Zambia Academy of Sciences

Zimbabwe

- Zimbabwe Academy of Sciences

Miscellaneous

- Africa Centre for Climate and Earth Systems Science
- African Academy of Sciences

Oceania

Australia

- Australian Academy of Science
- Australian Coral Reef Society
- Australian Institute of Marine Science
- Australian Marine Sciences Association
- Australian Meteorological and Oceanographic Society (AMOS)
- Commonwealth Scientific and Industrial Research Organisation (CSIRO) (Australia)
- Ecological Society of Australia
- Federation of Australian Scientific and Technological Societies
- Geological Society of Australia
- National Council of Engineers Australia

"Arguments by a few individuals that recent temperature trends may not be unprecedented within the past thousand years and can therefore be fully explained by natural variability and causes for change...are based on limited assessments and are seriously flawed. While some uncertainty is an inherent aspect of all science, related international research studies continue consistently to refute such conclusions. There is strong evidence that changes in climate during the past 50 years are human induced."

**- Canadian Meteorological and Oceanographic Society
March 2007**

New Zealand

- Academy of the Royal Society of New Zealand
- National Institute of Water & Atmospheric Research

International

- Consultative Group on International Agricultural Research
- International Alliance of Research Universities
- International Arctic Science Committee
- International Association for Great Lakes Research

- International Council for Science
- International Council of Academies of Engineering and Technological Sciences
- International Research Institute for Climate and Society
- International Union for Quaternary Research
- International Union of Geodesy and Geophysics
- International Union of Pure and Applied Physics
- Latin American Academy of Sciences
- Scientific Committee on Antarctic Research
- Society for Ecological Restoration International
- TWAS, The Academy of Sciences for the Developing World
- World Forestry Congress

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By Date and Statement

General

[NOAA: Global Climate Change Indicators](#)

- National Oceanic and Atmospheric Administration

[Climate Change](#)

- Met Office (UK)

[The importance of European fusion energy research](#)

- European Physical Society

[Climate Change](#)

- Society of Biology, UK

[INOQA Statement on Climate Change](#)

- International Union for Quaternary Research

"Continuing reliance on combustion of fossil fuels as the world's primary source of energy will lead to much higher atmospheric concentrations of greenhouse gases, which will, in turn, cause significant increases in surface temperature, sea level, ocean acidification, and their related consequences to the environment and society."

- International Union of Geodesy and Geophysics

July 2007

2010

General

[Ecosystem Management in a Changing Climate](#)

- Ecological Society of America

[IEEM Position Statement](#)

- Institute of Ecology and Environmental Management

[Position Statement on Climate Change](#)

- International Research Institute for Climate and Society

2010, November

[Climate change: evidence from the geological record](#)

- Geological Society, The (UK)

2010, October

[Everything is Connected: Climate Change and Biodiversity in a Fragile World](#)

- Geological Society, The (UK)

2010, August

[The Science of Climate Change: Questions and Answers](#)

- Australian Academy of Science

2010, July

[Policy Statement 360 – Impact of Climate Change](#)

- American Society of Civil Engineers

2010, April

[National Policy – CLIMATE CHANGE](#)

- American Physical Society

[FAQs About Ocean Acidification](#)

- Woods Hole Oceanographic Institution

[GSA: Position Statement on Global Climate Change](#)

- The Geological Society of America

2009

General

[Can the warming of the 20th century be explained by natural processes?](#)

- Commonwealth Scientific and Industrial Research Organisation (CSIRO) (Australia)

[ESA Position Statement: Climate Change](#)

- Ecological Society of Australia

2009, December

[IAP STATEMENT ON TROPICAL FORESTS AND CLIMATE CHANGE](#)

- TWAS – The Academy of Sciences for the Developing World
- Albanian Academy of Sciences
- National Academy of Exact, Physical and Natural Sciences, Argentina
- The National Academy of Sciences of Armenia
- Australian Academy of Science
- Bangladesh Academy of Sciences
- Academia Nacional de Ciencias de Bolivia
- Cameroon Academy of Sciences
- RSC: The Academies of Arts, Humanities and Sciences of Canada
- Academia Chilena de Ciencias

- Croatian Academy of Arts and Sciences
- Academy of Sciences of the Czech Republic
- Academy of Scientific Research and Technology (ASRT) Egypt
- The Delegation of the Finnish Academies of Science and Letters
- Union of German Academies of Sciences and Humanities
- Deutsche Akademie der Naturforscher Leopoldina
- Ghana Academy of Arts and Sciences
- The Academy of Athens, Greece
- Academia de Ciencias Medicas, Fisicas y Naturales de Guatemala
- Indian National Science Academy
- The Indonesian Academy of Sciences (API)
- Academy of Sciences of the Islamic Republic of Iran
- Royal Irish Academy
- Accademia Nazionale dei Lincei, Italy
- Science Council of Japan
- Islamic World Academy of Sciences
- African Academy of Sciences
- The Korean Academy of Science and Technology
- National Academy of Sciences of the Kyrgyz Republic
- Latvian Academy of Sciences
- Lithuanian Academy of Sciences
- Mauritius Academy of Science and Technology
- Academy of Sciences of Moldova
- Montenegrin Academy of Sciences and Arts
- Academy of Science of Mozambique
- The Royal Netherlands Academy of Arts and Sciences
- Academy of the Royal Society of New Zealand
- Nicaraguan Academy of Sciences
- Nigerian Academy of Sciences
- Palestine Academy for Science and Technology
- Academia das Ciencias de Lisboa, Portugal
- Romanian Academy
- Académie des Sciences et Techniques du Sénégal
- Serbian Academy of Sciences and Arts
- Academy of Science of South Africa
- Royal Swedish Academy of Sciences

"Climate change and sustainable energy supply are crucial challenges for the future of humanity. It is essential that world leaders agree on the emission reductions needed to combat negative consequences of anthropogenic climate change"

**- G8+5 Science Academies'
joint statement
May 2009**

- Academia Sinica, Taiwan, China
- Tanzania Academy of Sciences
- Turkish Academy of Sciences
- The Uganda National Academy of Sciences
- The Royal Society, United Kingdom
- US National Academy of Sciences (NAS)
- Latin American Academy of Sciences

[SCAR: Antarctic Climate Change and the Environment](#)

- Scientific Committee on Antarctic Research

[British Antarctic Survey Climate Change Position Statement](#)

- British Antarctic Survey

[Climate change and the tropical marine environment](#)

- Australian Institute of Marine Science

[ACCESS: POSITION STATEMENT ON CLIMATE CHANGE AND RELATED ISSUES](#)

- Africa Centre for Climate and Earth Systems Science

2009, November

[Climate science statement](#)

- Met Office, UK
- Natural Environment Research Council, UK
- The Royal Society, UK

[Invisible No More: Scripps Investigates Ocean Acidification](#)

- Scripps Institution of Oceanography

[Open Letter to the Government of Canada](#)

- Canadian Association of Physicists (CAP)
- Canadian Geophysical Union (CGU)
- Canadian Meteorological and Oceanographic Society (CMOS)
- Canadian Society of Soil Science (CSSS)
- Canadian Society of Zoologists (CSZ)

2009, October

[Message from the XIII World Forestry Congress to the COP 15 of the UNFCCC](#)

- World Forestry Congress

[Joint Letter to U.S. Senate](#)

- American Association for the Advancement of Science
- American Chemical Society

- American Geophysical Union
- American Institute of Biological Sciences
- American Meteorological Society
- American Society of Agronomy
- American Society of Plant Biologists
- American Statistical Association
- Association of Ecosystem Research Centers
- Botanical Society of America
- Crop Science Society of America
- Ecological Society of America
- Natural Science Collections Alliance
- Organization of Biological Field Stations
- Society for Industrial and Applied Mathematics
- Society of Systematic Biologists
- Soil Science Society of America
- University Corporation for Atmospheric Research

"Key vulnerabilities arising from climate change include water resources, food supply, health, coastal settlements, biodiversity and some key ecosystems such as coral reefs and alpine regions. As the atmospheric concentration of greenhouse gases increases, impacts become more severe and widespread."

- **Federation of Australian
Scientific and
Technological Societies
September 2008**

2009, September

[ICSU: Environment](#)

- International Council for Science

2009, July

[GSA: Position Statement and Recommendations – Greenhouse Gas Emissions and Climate Change](#)

- Geological Society of Australia

2009, June

[IAP STATEMENT ON OCEAN ACIDIFICATION](#)

- TWAS, the academy of sciences for the developing world
- Albanian Academy of Sciences
- National Academy of Exact, Physical and Natural Sciences, Argentina
- Australian Academy of Science
- Bangladesh Academy of Sciences

- The Royal Academies for Science and the Arts of Belgium
- Brazilian Academy of Sciences
- Bulgarian Academy of Sciences
- Cameroon Academy of Sciences
- RSC: The Academies of Arts, Humanities and Sciences of Canada
- Academia Chilena de Ciencias
- Chinese Academy of Sciences
- Colombian Academy of Exact, Physical and Natural Sciences
- Croatian Academy of Arts and Sciences
- Cuban Academy of Sciences
- Academy of Sciences of the Czech Republic
- Royal Danish Academy of Sciences and Letters
- Academia de Ciencias de la República Dominicana
- Academy of Scientific Research and Technology, Egypt
- The Delegation of the Finnish Academies of Science and Letters
- Académie des Sciences, France
- Georgian Academy of Sciences
- Union der Deutschen Akademien der Wissenschaften
- Deutsche Akademie der Naturforscher Leopoldina
- The Academy of Athens
- Academia de Ciencias Medicas, Fisicas y Naturales de Guatemala
- Indian National Science Academy
- Indonesian Academy of Sciences
- Academy of Sciences of the Islamic Republic of Iran
- Royal Irish Academy
- Israel Academy of Sciences and Humanities
- Accademia Nazionale dei Lincei
- Science Council of Japan
- Royal Scientific Society of Jordan
- Islamic World Academy of Sciences
- African Academy of Sciences
- Kenya National Academy of Sciences
- The Korean Academy of Science and Technology
- Kosovo Academy of Sciences and Arts
- National Academy of Sciences of the Kyrgyz Republic
- Akademi Sains Malaysia
- Mauritius Academy of Science and Technology
- Academia Mexicana de Ciencias
- Montenegrin Academy of Sciences and Arts
- The Royal Netherlands Academy of Arts and Sciences
- Academy of the Royal Society of New Zealand

- Nigerian Academy of Sciences
- Norwegian Academy of Sciences and Letters
- Pakistan Academy of Sciences
- Palestine Academy for Science and Technology
- Academia Nacional de Ciencias del Peru
- Academia das Ciencias de Lisboa
- Académie des Sciences et Techniques du Sénégal
- Serbian Academy of Sciences and Arts
- Slovak Academy of Sciences
- Slovenian Academy of Sciences and Arts
- Academy of Science of South Africa
- Royal Academy of Exact, Physical and Natural Sciences of Spain
- National Academy of Sciences, Sri Lanka
- Sudanese National Academy of Science
- Royal Swedish Academy of Sciences
- Academia Sinica, Taiwan, China
- Tanzania Academy of Sciences
- The Caribbean Academy of Sciences
- Turkish Academy of Sciences
- The Uganda National Academy of Sciences
- The Royal Society, UK
- US National Academy of Sciences
- Academia de Ciencias Físicas, Matemáticas y Naturales de Venezuela
- Zimbabwe Academy of Sciences

[SCOSTEP-CAWSES: What is the solar influence on climate?](#)

- SCOSTEP (Scientific Committee on Solar-Terrestrial Physics) – Climate And Weather of the Sun-Earth System (CAWSES)

2009, May

[G8+5 Academies' joint statement: Climate change and the transformation of energy technologies for a low carbon future](#)

- Academia Brasileira de Ciências, Brazil
- Royal Society of Canada
- Chinese Academy of Sciences
- Académie des Sciences, France
- Deutsche Akademie der Naturforscher, Leopoldina, Germany
- Indian National Science Academy
- Accademia Nazionale dei Lincei, Italy
- Science Council of Japan, Japan

- Academia Mexicana de Ciencias, Mexico
- Russian Academy of Sciences
- Academy of Science of South Africa
- Royal Society, United Kingdom
- National Academy of Sciences, United States of America

2009, April

[Have greenhouse gas emissions caused global temperatures to rise?](#)

- National Institute of Water & Atmospheric Research, New Zealand

2009, February

[IARU Presidents' Statement on Campus Sustainability](#)

- International Alliance of Research Universities

[The Great Lakes at a Crossroads: Preparing for a Changing Climate](#)

- International Association for Great Lakes Research

2008

General

[Official Sustainability Statement](#)

- California Academy of Sciences

[NIOZ Science Plan 2008-2012](#)

- Royal Netherlands Institute for Sea Research

"Since this last [IPCC] Assessment Report the scientific evidence for dangerous, long-term and potentially irreversible climate change caused by human activity has strengthened significantly."

**- British Antarctic Survey
December 2009**

2008, December

[EGU Position Statement on Ocean Acidification](#)

- European Geosciences Union

[Position statement on marine protected areas](#)

- Australian Marine Sciences Association

[Forest Management and Climate Change: A Position Statement of the Society of American Foresters](#)

- Society of American Foresters

2008, October

[Climate Change Issues, Policy and the Role of Forests](#)

- National Association of State Foresters

2008, September

[FASTS Statement on Climate Change](#)

- Federation of Australian Scientific and Technological Societies

2008, July

[Climate change statement from the Royal Society of New Zealand](#)

- Royal Society of New Zealand

2008, June

[CIFOR's strategy 2008–2018: making a difference for forests and people](#)

- Center for International Forestry Research

2008, May

[Natural England Position Statement: Climate Change](#)

- Natural England

2008, February

[Engineers Australia: Policy Statement Climate Change and Energy](#)

- National Council of Engineers Australia

2008, January

[Position Paper | Carbon Capture and Geological Storage](#)

- European Federation of Geologists

2007

General

[ACS Position Statement: Global Climate Change](#)

- The American Chemical Society

[Let's Be Honest](#)

- European Academy of Sciences and Arts

[Global Climate Change: Can Agriculture Cope?](#)

- Consultative Group on International Agricultural Research

2007, December

[AGU Position Statement: Human Impacts on Climate](#)

- American Geophysical Union

2007, November

[ASA Statement on Climate Change](#)

- American Statistical Association

2007, October

[2007 CAETS Statement – Environment and Sustainable Growth](#)

- International Council of Academies of Engineering and Technological Sciences

[Statement on Climate Change and Its Implications for Oklahoma](#)

- Oklahoma Climatological Survey

2007, August

[Ecological Restoration: A Global Strategy for Mitigating Climate Change](#)

- Society for Ecological Restoration International

2007, July

[IUGG: The Urgency of Addressing Climate Change](#)

- International Union of Geodesy and Geophysics

2007, May

[Joint science academies' statement on growth and responsibility: sustainability, energy efficiency and climate protection](#)

- Academia Brasileira de Ciências, Brazil
- Académie des Sciences, France
- Accademia Nazionale dei Lincei, Italy
- Russian Academy of Sciences
- National Academy of Sciences, United States of America
- Royal Society of Canada
- Deutsche Akademie der Naturforscher, Leopoldina, Germany
- Science Council of Japan
- Academy of Science of South Africa
- Chinese Academy of Sciences
- Indian National Science Academy, India

"Some countries and regions are already vulnerable to climate variability and change, but in the coming decades all countries will be affected, regardless of their affluence or individual emissions. Climate change will have major consequences for food production, water availability, ecosystems and human health, migration pressures, and regional instability."

- The Royal Society (UK)
 - Natural Environment Research Council (UK),
 - Met Office (UK)
- November 2009

- Academia Mexicana de Ciencias, Mexico
- Royal Society, United Kingdom

[Joint statement by the Network of African Science Academies \(NASAC\) to the G8 on sustainability, energy efficiency and climate change](#)

- Academia Brasileira de Ciências, Brazil
- African Academy of Sciences
- Cameroon Academy of Sciences
- Ghana Academy of Arts and Sciences
- Kenya National Academy of Sciences
- Madagascar National Academy of Arts, Letters, and Sciences
- Nigerian Academy of Science
- Académie des Sciences et Techniques du Sénégal
- Academy of Science of South Africa
- Sudan National Academy of Sciences
- Tanzania Academy of Sciences
- Uganda National Academy of Sciences
- Zambia Academy of Sciences
- Zimbabwe Academy of Sciences

2007, March

[CMOS: Comprehensive Position Statement on Climate Change](#)

- The Canadian Meteorological and Oceanographic Society (CMOS)

[Impacts of Climate Change on the European Marine and Coastal Environment – Ecosystems Approach](#)

- European Science Foundation – Marine Board

2007, February

[AMS Information Statement on Climate Change](#)

- American Meteorological Society

[The Royal Meteorological Society's statement on the Inter-Governmental Panel on Climate Change's Fourth Assessment Report](#)

- Royal Meteorological Society

[Engineers Australia: Policy Statement Climate Change and Energy](#)

- National Council of Engineers Australia

2006

General

[The Australian Meteorological and Oceanographic Society Statement on Climate Change](#)

- Australian Meteorological and Oceanographic Society (AMOS)

2006, December

[AAAS Board Statement on Climate Change](#)

- American Association for the Advancement of Science

2006, October

[GSA: Position Statement on Global Climate Change](#)

- The Geological Society of America

2006, September

[EOS Forum](#)

- American Quaternary Association

2006, June

[Letter to Great Barrier Reef Park Authority](#)

- Australian Coral Reef Society

"Rises in temperature will have complex and frequently localised effects on weather, but an overall increase in extreme weather conditions and changes in precipitation patterns are probable, resulting in flooding and drought... The repercussions for agriculture and ecology are likely to be severe."

- Society of Biology, UK

2005

General

[IUP AP Statements and Recommendations on the Energy Problems](#)

- International Union of Pure and Applied Physics

2005, November

[Letter to Canadian Prime Minister Paul Martin](#)

- Canadian Foundation for Climate and Atmospheric Sciences

2005, July

[The American Meteorological Society endorses the "Joint Academies' Statement: Global Response to Climate Change"](#)

- American Meteorological Society

2005, June

[Joint science academies' statement: Global response to climate change](#)

- Academia Brasileira de Ciências, Brazil
- Royal Society of Canada
- Chinese Academy of Sciences
- Academié des Sciences, France
- Deutsche Akademie der Naturforscher, Leopoldina, Germany
- Indian National Science Academy, India
- Accademia dei Lincei, Italy
- Science Council of Japan
- Russian Academy of Sciences
- Royal Society, United Kingdom
- National Academy of Sciences, United States of America

2004

General

[Arctic Climate Impact Assessment](#)

- International Arctic Science Committee

2004, June

[American Astronomical Society Endorsement of AGU Statement on Climate Change](#)

- American Astronomical Society

2004, April

[Statement on Human Impacts on Climate Change](#)

- American Institute of Physics

2003, 2002, and 2001

2003

[Global Environmental Change: Microbial Contributions, Microbial Solutions](#)

- American Society for Microbiology

2003, December

[AGU Position Statement: Human Impacts on Climate](#)

- American Geophysical Union

2002, February

[CMOS: Position Statement on Climate Change](#)

- The Canadian Meteorological and Oceanographic Society (CMOS)

2001, November

[AASC: Policy Statement on Climate Variability and Change](#)

- American Association of State Climatologists (AASC)

2001, October

[The Science of Climate Change](#)

- Australian Academy of Sciences
- Royal Flemish Academy of Belgium for Sciences and the Arts
- Brazilian Academy of Sciences
- Royal Society of Canada
- Caribbean Academy of Sciences
- Chinese Academy of Sciences
- French Academy of Sciences
- German Academy of Natural Scientists Leopoldina
- Indian National Science Academy
- Indonesian Academy of Sciences
- Royal Irish Academy
- Accademia Nazionale dei Lincei (Italy)
- Academy of Sciences Malaysia
- Academy Council of the Royal Society of New Zealand
- Royal Swedish Academy of Sciences
- Royal Society (UK)

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About “Fresh Air. The Scent of Pine.”

“Fresh Air. The Scent of Pine.” is an independent web site dedicated to discussing the impact of human activities on the global environment with a focus given to global climate change and the implications of those impacts to human society. The site seeks to address widespread confusion and misinformation related to the topic of climate change by providing common sense answers to many of the most frequently asked questions raised with regard to climate change theory. The site provides links to information provided throughout the scientific community to assist the reader in becoming familiar with the science.

“Fresh Air. The Scent of Pine.” was founded and is maintained by Michael Searcy, an engineering graduate from Auburn University in the United States.