

THE GREAT WARMING

www.thegreatwarming.com

Narrated by Alanis Morissette and Keanu Reeves, **The Great Warming** is a dramatic film about climate change that sweeps around the world to reveal how a changing climate is affecting the lives of people everywhere. It has been called "the best film about global warming ever shot", and taps into the growing groundswell of public interest in this topic to present an emotional, accurate picture of our children's planet.

The Great Warming includes hard-hitting comments from scientists and opinion-makers about America's lack of leadership in what is certainly the most critical environmental issue of the 21st century, as well as new scenes documenting the the emerging voice of the America's faith communities urging action on climate change.

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For more information, to set up an interview, or to find out how to screen the film, contact:

- publicist Tom Tanno at 818-907-9950
- producer Karen Coshof at 514-527-2131 ext 305
- US distributor Chris Gordon 212-396-9464

THE GREAT WARMING

www.thegreatwarming.com

Provocative and Revealing Film on Global Warming Coming to

"In a couple of hundred years people will look back at us as we look back at the Bronze Age and the Stone Age, and we'll be called the Fossil Fuel Age."

We are living at the dawn of a new age – an era of changing climate, erratic weather, and social calamities that could change our way of life forever. Year by year, degree by degree, Earth is growing warmer... a legacy of the Industrial Revolution, population growth, and our addiction to technology, speed and power.

Just as other generations spoke of a Great Plague and a Great Depression, our children will be compelled to endure The Great Warming – and find a way to conquer its consequences.

Narrated by Keanu Reeves and Alanis Morissette, filmed in eight countries on four continents, endorsed by dozens of the world's leading scientists, The Great Warming is the most factually accurate, visually stunning and wide-ranging production ever mounted about this complex, fascinating subject.



(place, date,) What has been called "*the best film about global warming ever produced*" will launch across the USA in early November.

Narrated by international stars Alanis Morissette and Keanu Reeves, and produced by Stonehaven Productions, **THE GREAT WARMING** is an encompassing film that sweeps around the world to reveal how a changing climate is affecting the lives of people everywhere.

THE GREAT WARMING looks at evidence that human activities are provoking an unprecedented era of atmospheric warming and climatic events: more drought, wildfires and flooding, polar melting, more powerful storms and more variable weather. Tropical diseases are moving north, childhood respiratory illnesses are skyrocketing, and in the last three decades more than 30 diseases new to science have emerged.

The film includes candid comments from scientists, experts and opinion-makers assessing America's lack of leadership in what is certainly the most critical environmental issue of the 21st century. On the political front, new scenes document the emerging voice of America's Evangelical community urging action on climate change from pulpits across the country.

Filmed in the USA, China, Europe and South America, this wide-ranging, compelling film taps into the growing groundswell of public concern about climate change to present an emotional, accurate picture of our children's planet.

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THE GREAT WARMING... it's more than just the heat

Global warming's “top ten” list

- More heat waves and extended periods of unusually warm weather;
- Emergence of new diseases, spread of existing diseases, and greatly increased incidence of respiratory ailments, especially among children;
- More intense storms, downpours, heavy snowfalls and flooding; more droughts; desertification and forest fires;
- Unpredictable patterns of rainfall and temperatures;
- Ocean warming and acidification, leading to sea-level rise, coastal flooding and marine life changes;
- Arctic, Antarctic and global glacial melting, resulting in reduced fresh water availability for agriculture and drinking, sea-level rise, and lowering of the ocean's salinity;
- Direct property damage and reduced land values, as well as lost jobs in many key sectors;
- Major pressure on the food chain (both marine and land-based);
- International tensions/conflicts between the “have” and “have not” nations.
- Plant and animal range shifts and increased number of species extinctions;

Stonehaven is working with a like-minded group of national and regional partners to heighten public awareness of climate change.

Swiss Re



THE GREAT WARMING's primary underwriter is SWISS RE

About Swiss Re:

Swiss Re is one of the world's leading reinsurers and the world's largest life and health reinsurer.

The company operates through more than 70 offices in over 30 countries. Swiss Re has been in the reinsurance business since its foundation in Zurich, Switzerland, in 1863. Swiss Re offers a wide variety of products to manage capital and risk. Traditional reinsurance products, including a broad range of property and casualty as well as life and health covers and related services, are complemented by insurance-based corporate finance solutions and supplementary services for comprehensive risk management. Swiss Re is rated "AA" by Standard & Poor's, "Aa2" by Moody's and "A+" by A.M. Best.

Sustainability is one of Swiss Re's core values. Persistent overuse of natural resources threatens economic and social systems. In response, Swiss Re has identified the principle of sustainability as a key concern for its business, incorporating it into its Corporate Philosophy and its corporate governance regime.

Swiss Re uses its core skills in risk assessment and risk transfer to address sustainability challenges, including climate change. While its specialists foster the exchange of relevant knowledge within the company, they also collaborate with external experts to achieve a better understanding of environmental issues.

Swiss Re aims to raise awareness of climate change through interaction with stakeholders via its **Sharing Solutions** sponsorship program. **SharingSolutions** initiatives highlight issues that are vital to building a sustainable future.

For more about Swiss Re, visit www.swissre.com

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krystal planet

Krystal Planet and Pristine Power are proud to sponsor **THE GREAT WARMING**.

Since Earth Day 2004, Krystal Planet's products have helped eliminate more than 600 million pounds of greenhouse gases. Headquartered in the heartland of America, Kansas based Krystal Planet is leading the nation with American determination and know how by offering solutions to upgrade individuals and industry alike with innovations in wind, solar, and hydrogen to help reestablish our independence from foreign energy interests.

Krystal Planet supports "The Freedom Plan" - a unique method to convert America to 100% clean renewable power in 10 years and saving the U.S. economy \$20 Trillion by 2025. All of this using the only market-driven solution proposed to wean America off her thirst for dirty fossil fuels.

Because of its leadership role and progressive approach, the company, and its CEO Troy Helming, have been featured as an authority on alternative energy in multiple media outlets including *Reuters, The New York Times, The Washington Post, Air America, The Discovery Channel, PBS, Fox News, Sky Radio, The Kansas City Star, NPR*, among many others.

As demonstrated in **THE GREAT WARMING**, alternative and renewable energy is no longer a matter of environmentalism or a matter of political debate but, rather, an extension of well reasoned patriotism and humanity.

For more information or to arrange an interview, please contact:

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hal.bringman@nvpr.com

THE GREAT WARMING... it's more than just the heat

Stonehaven is working with a like-minded group of national and regional partners to heighten public awareness of climate change.



Friends of the Earth is the U.S. voice of an influential, international network of grassroots groups in 70 countries.

Founded in San Francisco in 1969 by David Brower, Friends of the Earth has for decades been at the forefront of high-profile efforts to create a more healthy, just world.

"Our member groups around the world are leading courageous efforts to save forests and to combat serious pollution from oil and mining," said Dr. Brent Blackwelder, President of Friends of the Earth. "They put their lives on the line every day to fight for a healthier world."

Friends of the Earth carries out creative campaigns to combat global warming, to prevent air and water pollution, to support safe food, and to prevent damage to our parks and other public lands caused by thrill vehicles such as snowmobiles and jetskis.

For more information go to www.foe.org or call Lisa Grob, Communications Department, 202-222-0744 – lgrob@foe.org

Friends of the Earth
1717 Massachusetts Ave NW
Washington, D.C. 20036

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HOW IT ALL HAPPENED... the story behind the story

The project germinated 5 years ago as an “Aha” idea in the head of series creator Karen Coshof of Stonehaven Productions in Montreal, after a discussion with Environment Canada (Canada’s government department whose mandate covers environmental issues).

Environment Canada referred Karen to the book “Storm Warning – Gambling with the Climate of our Planet”, by Canadian science writer Lydia Dotto. Stonehaven optioned the book and, over about one year, adapted it for television.

From the beginning, Stonehaven’s objective was to create a new kind of climate change show – one that would not rehash the tired debate about whether or not global warming is real. Instead, THE GREAT WARMING begins from an editorial premise that acknowledges the reality and the threat of global climate change. It’s time to get past the debate and act!

But having an idea and bringing it to fruition – particularly on an environmental issue – takes a lot of doing. Most broadcasters are loath to air stories about climate change – perceiving the subject as too “negative” for their audiences. And corporate underwriters – no matter what their public stance is on the environment – don’t always put their money where their mouth is. In fact, Karen figures she was turned down by pretty much every corporation in North America (at least, that’s how it felt)... including many high-profile ones who like to say they support climate change initiatives. It ain’t so, folks.

In the end, it was a global corporation based in Switzerland which stepped up to the plate. Swiss Re is the world’s largest reinsurer (companies which insure insurance companies). Reinsurers have a very large vested interest in the impacts of climate change, since ultimately, it is they who pay the price of ever-increasing losses to extreme events.

Swiss Re became the first – and interestingly – only corporate sponsor of The Great Warming. The Government of Canada, along with the Canadian International Development Agency, were also enthusiastic sponsors of the production. With a major investment from Discovery Channel Canada, the Canadian Television Fund and two Canadian film tax credit agencies, the \$ 3 million budget was achieved. This took a solid year of work.

The film was shot over about a year, in locations around the world: from the high Canadian Arctic to the Altiplano of Peru to Inner Mongolia to Bangladesh... to downtown New York City. Everywhere, evidence of global warming is evident – as is the increasing industrialization which is creating more and more greenhouse gas emissions. Why shouldn’t every Chinese family have a car?

But THE GREAT WARMING goes beyond other climate change documentaries to look at realistic solutions, technologies and actions which can help reduce the impact of climate change. From individual actions to a radical new invention for creating truly “green” hydrogen, these are the focus of episode three.

It is the producers’ hope that many people will see this film – and be inspired to action. There ARE things every person can do to alleviate the effects of THE GREAT WARMING.

For more information about the project – go to www.thegreatwarming.com

THE GREAT WARMING... it's more than just the heat

THE GREAT WARMING's was produced by STONEHAVEN PRODUCTIONS

Stonehaven Productions is a Canadian company which is fascinated by complex issues. For the past six years, we've focused on bringing the issue of climate change to the public, because we're convinced that only when "regular folks" truly understand the consequences of global warming can there be real change. Our work has resulted in two major documentaries: THE GREAT WARMING and the recent PBS special GLOBAL WARMING: THE SIGNS AND THE SCIENCE.

Creative Team (full credit list available on request)

Karen Coshof, Creator and Producer

Before joining Stonehaven, Karen was a leading Canadian photographer working in the advertising and fashion markets. At Stonehaven, she has worked as a scriptwriter, creative director, print broker, producer and executive producer. She also handles the company's sales/marketing initiatives.

Michael Taylor, Writer/Director

Michael Taylor is the President of Stonehaven, which he founded in 1978 to serve Canada's corporate and government communications markets. Michael handled the adaptation of THE GREAT WARMING from the book on which it's loosely based. He also directed many key sequences.

Michael Ellis, DOP

Michael Ellis is Canada's best-known cameramen/DOPs, with credits that span every genre of documentary production. For THE GREAT WARMING, Mike travelled around the world, shooting sequences in Asia, Europe, South America, Canada and the USA.

Scott Mason, Editor and Co-designer

A documentary comes together in the editing room. In collaboration with Mike Taylor and Karen Coshof, Scott developed the look and feel of THE GREAT WARMING. He also developed many of the ideas incorporated in the final series, and directed many sequences.

Leon Aronson, Original Music

Leon Aronson is a well-known Canadian musician, writer and music producer, whose experience includes original scores for films and tv series. He has won 7 CLIOS and 5 International Broadcasting awards for his work.

Michael Morein, Director (sequences)

Michael Morein runs Stonehaven's Ottawa office, which handles our government business. For THE GREAT WARMING, Michael directed a number of key scenes, including Peru and many US sequences.

Jean-Francois Després, Director (sequences)

Kai Whittaker, Graphic Design and Computer Animation

Kai Whittaker is Stonehaven's immensely talented graphic designer. Kai designed the "human fingerprint" logo of the series, title sequences and many of the computer effects.

John Tate, Computer Animation

The look and graphic conceptualization of THE GREAT WARMING was a team effort. John Tate worked closely with Stonehaven's creative team on the overall design of many exciting sequences.

Daniel Tremblay, Computer Animation (technical illustrations)

Dino Congonidis, Assistant Editor and Web Design www.thegreatwarming.com

Lynn Trout, Line Producer

Kathryn Sharpe Kearns, Research

STONEHAVEN: 514 527 2131 / Karen Coshof ext 305 / k.coshof@stonehaven.ca

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THE GREAT WARMING - Bios of Featured Interviewees

Boston

Dr. Paul. R. Epstein, MD, MPH

Associate Director of the Center for Health and the Global Environment at Harvard Medical School, and a medical doctor trained in tropical public health

Dr. Epstein has worked in medical, teaching and research capacities in Africa, Asia and Latin America and, in 1993, coordinated an eight-part series on Health and Climate Change for the British medical journal Lancet. He has worked with the Intergovernmental Panel on Climate Change (IPCC), the National Academy of Sciences, the National Oceanic and Atmospheric Administration (NOAA) and the National Aeronautics and Space Administration (NASA) to assess the health impacts of climate change and develop health applications of climate forecasting and remote sensing.

Robert Kinloch Massie

Senior Fellow, CERES

Robert Kinloch Massie has been working on issues of corporate governance and responsibility for two decades. Dr. Massie began working for the U.S. Senate Subcommittee on Investigations and later for Ralph Nader's Congress Watch. An ordained Episcopal minister, he received his master's degree in social and theological ethics from Yale Divinity School and his doctorate in business policy from Harvard Business School, where his research focused on the methods used by large institutional investors to make decisions about social issues.

From 1989 to 1996 Dr. Massie taught at Harvard Divinity School where he ran the Project on Business, Values and the Economy. His book, *Loosing the Bonds: The United States and South Africa in the Apartheid Years*, was awarded the 1998 Lionel Gelber Prize, the largest juried award of its kind in the world, for the best book on international relations. In 1994, Dr. Massie ran for lieutenant governor of Massachusetts and won the statewide Democratic primary. From 1997 to 2002 he was the Founding Chair of the Global Reporting Initiative (GRI) Steering Committee and is currently a member of GRI's international board of directors.

New Hampshire

J. Matthew Sleeth, MD

J. Matthew Sleeth, MD, a former emergency room physician, felt like he was straightening deck chairs on the Titanic saving one patient at a time while the whole ship (Earth) was going down. Together with his wife and two teenaged children, he began to bring his lifestyle in line with his values, cutting back on their fossil fuel and electricity use by more than two thirds. Following a new calling, Dr. Sleeth resigned from his position as chief of the medical staff and director of the ER to lecture, write, and preach about creation care and the environment. His book, *Serve God and Save the Planet: A Christian Call to Action*, will be released by Chelsea Green Publishing (Green Gospel Books) in May 2006. He is a graduate of George Washington University School of Medicine and has two post doctoral fellowships. Dr. Sleeth has been a member of the American Academy of Family Practice, the College of Emergency Physicians, and the College of Executive Physicians, but says that the most meaningful initials he's had behind his name—M.D.—stand for “My Daddy.”

New York

Wallace S. Broecker, Ph.D.

Newberry Professor of Geology, Lamont-Doherty Earth Observatory

Dr. Broecker is a leading interpreter of the Earth's operation as a biological, chemical and physical system. His research interests include paleoclimatology, ocean chemistry, isotope dating and environmental science. He is probably best known for his identification of a "great conveyor belt" of ocean currents that plays a critical role in Earth's climate. His research has shown that the Earth's climate has shifted abruptly many times in the past, and he has been a leading voice warning of the potential danger of increased greenhouse gases in Earth's atmosphere. He pioneered a number of new approaches to studying climate, including the use of carbon and other isotopes to date marine sediments. He has examined ocean circulation patterns over time, studied gas exchanges between the ocean and the atmosphere, and traced carbon as it cycles through the Earth's chemical, physical and biological systems. In 1996, Dr. Broecker received the National Medal of Science, the nation's highest scientific award, for "his pioneering contributions in understanding chemical changes in the ocean and atmosphere," as well as for his research on global climate change. He is a member of both the National Academy of Science and the American Academy of Arts and Sciences.

Klaus S. Lackner, Ph.D.

Ewing-Worzel Professor of Geophysics in the Department of Earth and Environmental Engineering; member of the Earth Institute at Columbia University

Dr. Lackner received his doctorate in theoretical physics from the University of Heidelberg, Germany. After postdoctoral positions at Caltech and Stanford Linear Accelerator Center, he joined Los Alamos National Laboratory in 1983, where he held various positions including Acting Associate Director of Strategic and Supporting Research until 2001. Presently, he is developing innovative technologies for the use of fossil fuels, as well as a plan to capture carbon from the air and store it. Lackner: "We have so much fossil energy and it's so cheap, the temptation to use it will be there for a very long time. If we think we already have a problem, we've just scratched the surface".

Gerry Lemcke, Ph.D.

Climatologist, Swiss Re

Gerry Lemcke has been working for Swiss Re America Holding out of Armonk as deputy head of the Catastrophe Perils Unit since 2002. There, a team of eight scientists work closely with the Chief Underwriting Office in Zurich on aspects of natural disasters. Mainly focused on earthquake, winter storms, tropical storms and flood, the team develops risk assessment models supporting underwriting. Gerry's focus is on atmospheric perils, mainly in the Americas and the Caribbean. Insurance experts like Gerry say that natural disasters are on the rise due to global warming, and that catastrophic events could bankrupt the industry in the coming years. Scientists from the UN Environment Programme (UNEP) estimate that weather-related claims may soon top \$150 billion a year, the vast majority of which they attribute to global climate change. If the industry is to survive, they say, change needs to be made.

Dorothy Peteet, Ph.D.

Adjunct Professor, Columbia University

Dorothy Peteet is a NASA/Goddard Institute for Space Studies (GISS) Senior Research Scientist who studies paleoclimate and paleovegetation, and is an adjunct Professor at Columbia. She is interested in abrupt climate change, and has worked on rapid shifts in temperature and moisture that have occurred in the past. Examining peat cores from the Alaska, she calculates rates of tree migration as climate warmed after the last ice age. Researching archives of the Hudson River marshes, NY, she finds evidence for the Medieval Warm Interval as a major New York drought that lasted 500 years. She works with other GISS researchers to model these and other shifts in climate in order to better understand future environmental change.

Cynthia Rosenzweig, Ph.D.

Research Scientist, NASA Goddard Institute

Dr. Cynthia Rosenzweig is a Senior Research Scientist at NASA Goddard Institute for Space Studies where she heads the Climate Impacts Group. She co-led the Metropolitan East Coast Regional Climate Assessment of the U.S. National Assessment and is a Coordinating Lead Author for the IPCC Working Group II Fourth Assessment Report. A Guggenheim Fellowship recipient, she has joined impact models with global and regional climate models to predict outcomes of land-based and urban systems under altered climate conditions. She holds joint appointments as Professor of Environmental Science at Barnard College and Senior Research Scientist at the Earth Institute of Columbia University.

California

Wes Bannister

Chairman Board of Directors

Metropolitan Water District of Southern California

Wes Bannister is the Chairman of the board of the Metropolitan Water District of Southern California, the major water importer and wholesaler for 18 million people in six counties. Bannister, president of Bannister & Associates Insurance, has served on Metropolitan's board since January 1993. He was a 1990 Republican candidate for state insurance commissioner, and a 1992 Republican nominee to the Electoral College. Active in local and state politics and community affairs, he served as mayor of Huntington Beach in 1989, while serving a four-year term on the city council. He is a graduate of the University of Houston with a degree in political science, after which he served in the U.S. Army Artillery, receiving an honorable discharge in June 1967 with the rank of captain (reserves).

Chris Field, Director

Department of Global Ecology

Carnegie Institution of Washington Stanford, CA

Chris Field is the founding director of the Carnegie Institution's Department of Global Ecology, Professor of Biological Sciences at Stanford University, and Faculty Director of Stanford's Jasper Ridge Biological Preserve. Field's activities in building the culture of global ecology include chairing the US National Committee for SCOPE (Scientific Committee on Problems of the Environment) and US Interagency Science Steering Group on Carbon Cycle Science, plus service on many committees of the National Research Council and the International Geosphere-Biosphere Programme. Field was the lead author on the first ESA-Union of Concerned Scientists assessment of regional impacts of climate change on ecosystems (1999), which was a foundation for California's first-in-the-nation law to regulate vehicle greenhouse gas emissions. He is

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currently a convening lead author for the fourth assessment report of the Intergovernmental Panel on Climate Change. Field is a fellow of the ESA Aldo Leopold Leadership Program and a member of the US National Academy of Sciences.

Stephen H. Schneider, Ph.D

Professor, Dept of Biological Sciences, Sr. Fellow Center for Environment Science and Policy of the Stanford Institute for International Studies. Also Co-Director of the Center for Environmental Science and Policy as well as of the Interdisciplinary Graduate Program in Environment and Resources

Stephen Schneider's current global change research interests include climate change, food/climate and other environmental/science public policy issues; ecological and economic implications of climate change; integrated assessment of global change; climatic modeling of paleoclimates and of human impacts on climate. He is also interested in advancing public understanding of science and in improving formal environmental education in primary and secondary schools. He was a coordinating Lead Author in Working Group II of the Intergovernmental Panel on Climate Change (IPCC) from 1997-2001, and was Lead Author in working Group I from 1994-96. He was also a Lead Author of the IPCC guidance paper on uncertainties.

Canada

Mike Apps, Ph.D.

Sr. Research Scientist Canadian Forest Services

Adjunct Professor in Forestry, Universities of Alberta and Lakehead

A physicist by training, Dr. Apps has worked as a federal forest scientist for 23 years, earning an international reputation for his research on the role of Northern Forest Ecosystems in global change and, more specifically, its contribution to the global carbon budget. He is the author or co-author of more than 150 manuscripts, of which over 100 are in peer-reviewed journals. Dr. Apps' efforts contribute to local, regional, national, and international activities related to forest management. Over the past 7 years, Dr. Apps has been a significant contributor to the Intergovernmental Panel on Climate Change, ensuring that the issues facing Canadian forests and forest management are recognized in global assessments.

Guy Dauncey

A futurist and sustainable communities consultant who specializes in developing a positive vision of a post-industrial, environmentally sustainable future, Guy Dauncey is the author of *Stormy Weather: 101 Solutions to Global Climate Change* (New Society Publishers). His earlier books were *Earthfuture: Stories from a Sustainable World* (New Society Publishers), which has been described as inspiring and life-changing, and *After the Crash: The Emergence of the Rainbow Economy* (Green Print). He has given over 900 workshops, lectures and presentations to conferences, schools, colleges, churches and nonprofit organizations. He speaks on climate change, sustainable communities, smart growth, and sustainable solutions to the peaking of oil and gas supplies. He also speaks on global and spiritual evolution, and on the growing crisis of hope created by the prospect of ecological collapse.

Richard Peltier, Ph.D.

Professor of Physics, University of Toronto

Richard Peltier received his undergraduate degree in Physics from the University of British Columbia, focused in the area of geophysical fluid dynamics connected with the understanding the evolution of the atmosphere, the oceans and the solid Earth and of long timescale climate variability. He is a past recipient of the Sloan, Steacie, Killam and Guggenheim Fellowships and is an elected fellow of the American Geophysical Union, the American Meteorological Society and the Royal Society of Canada. He is also a past recipient of the Kirk Bryan Award of the Geological Society of America and the Patterson Medal of the Meteorological Service of Canada. He has been involved in the development of large scale computational infrastructure for Canada since the first NSRC programme was initiated in this area.

Christopher Sweetnam-Holmes

Founding Partner, EcoCité, Montreal

Christopher Sweetnam-Holmes is an environmentalist, architect, real estate developer and businessman. Passionate about the environment, Christopher believes that social and environmental entrepreneurship can be a powerful way to effect change. This belief has been translated in the development of his EcoCondo® and EcoCite® housing concepts. Far ahead of the rest of the real estate industry, Christopher had built a prototype 8-unit EcoCondo in Montreal; he's now on his third project. He is a winner of the McGill University Management Award in 2005 and the Berkeley Prize for Architectural Design Excellence. He is now working across Canada, both independently and in partnership with other developers, with the goal of making green housing a reality everywhere.

Colorado

Kevin E. Trenberth, Sc.D

Head of the Climate Analysis Section, National Center for Atmospheric Research

Dr. Trenberth, a New Zealander, received an Sc.D in Meteorology in 1972 from MIT. He was a lead author of the 2001 IPCC Scientific Assessment of Climate Change and is a Convening Lead Author on the forthcoming 2007 IPCC assessment. He serves on the Scientific Steering Group for the Climate Variability and Predictability (CLIVAR) program and the Joint Scientific Committee of the World Climate Research Programme. He is a fellow of the American Meteorological Society and American Association for Advancement of Science, and an honorary fellow of the Royal Society of New Zealand. He has played a major role in determining the global water cycle and how it changes as climate changes, with particular foci on changes in precipitation frequency, intensity and amount, and thus on how droughts and floods change. He has been a leader of the development of the global climate observing system and the Global Warth Observations initiative.

England

Martin Parry, Ph.D.

Dr. Parry is co-chair of Working Group II of the Intergovernmental Panel of Climate Change, which assesses the impacts of climate change and methods for adaptation. He is currently Professor Environmental Science at the University of East Anglia and has already acted as a lead author on previous IPCC assessment reports. He has been the recipient of a number of awards for his contribution to climate research, including an OBE in 1998 for services to the environment and to climate change. Dr. Parry is an expert in tropical diseases, with advanced

degrees in Zoology, Genetics, Entomology, and Microbiology. He also teaches Molecular Biology, Parasitology and Biomedical Science. He is author of distance learning material about infectious diseases at London School of Hygiene and Tropical Medicine.

New Mexico

Craig Allen, Ph.D.

Research Ecologist, U.S. Geological Survey

Craig Allen's work focuses on forest and landscape ecology. He has worked as a place-based ecologist with the U.S. Department of Interior in the Jemez Mountains since 1986, where he conducts research on the ecology and environmental history of Southwestern landscapes. Craig is one of the core PI's of the Western Mountain Initiative, an integration of research programs that study global change in mountain ecosystems of the western United States.

Peru

Ronald Woodman, Ph.D.

Director, Jacamarca Radio Observatory, President of the Geophysical Institute of Peru

Dr. Woodman's field of expertise is the use of radar techniques for the remote sensing of the upper atmosphere. He received his doctorate in Applied Physics from Harvard University in 1967. He was Director of the Jacamarca Radio Observatory, the most powerful scientific radar in the world, from 1969-75 and from 1983-2000. From 1976 to 81 he was at the famous Arecibo Observatory, as head of the atmospheric sciences group. He is now President of the Geophysical Institute of Peru.

Washington DC

Reverend Richard Cizik

Vice President for Government Affairs, National Association of Evangelicals

The Reverend Richard Cizik is Vice President for Governmental Affairs of the National Association of Evangelicals - the most distinguished evangelical organization in the United States, with a membership of 51 denominations, 43,000 churches, and 27 million adherents. He is responsible for providing direction over the Association's public-policy stands before the Congress of the United States, the White House and the Supreme Court. In 2002, Rev. Cizik was a participant in Climate Forum 2002, at Oxford, England, which produced the "Oxford Declaration" on global warming. Rev. Cizik is frequently quoted in The New York Times, The Washington Post, The Washington Times, and regularly appears on CNN Headline News, C-SPAN, PBS "Ethics & Religion News Weekly," WORLD NET, Voice of America, and many other media outlets. Among the Advisory Boards that he serves upon are the Pew Forum on Religion and Public Life and the Institute on Religion and Public Policy. He maintains a very active preaching and teaching ministry around the world.

William A. Nitze

Chairman, Climate Institute

Mr. Nitze is a respected expert on environmental issues, and currently serves as President of GEMSTAR Group, a company focused on bringing energy-efficient technologies to developing economies. From 1994 to 2001, he served as Assistant Administrator for International Activities, US Environmental Protection Agency. From September 1990 to August 1994, Nitze was President of the Alliance to Save Energy, a Washington DC coalition of environmental, government, industry and consumer leaders dedicated to promoting investment in energy

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efficiency. As Deputy Assistant Secretary of State for Environment, Health and Natural Resources, from 1987 to 1990, Bill Nitze had a lead role in international negotiations on global issues such as climate change, ozone layer protection, transboundary shipments of hazardous substances, biotechnology and the conservation of tropical forests. He received the Superior Honor Award of the Department of State in 1988.

R. James Woolsey
Former Director of the CIA

James Woolsey has held Presidential appointments in two Democratic and two Republican administrations. He was Director of Central Intelligence from 1993-95. He also served as Ambassador to the Negotiation on Conventional Armed Forces in Europe from 1989-1991; Under Secretary of the Navy, 1977-1979; and General Counsel to the U.S. Senate Committee on Armed Services, 1970-73. He was Delegate at Large to the U.S.-Soviet Strategic Arms Reduction Talks (START) and Nuclear and Space Arms Talks.. As an officer in the U.S. Army he was an adviser on the U.S. Delegation to the Strategic Arms Limitation Talks (SALT I). He has been a member of The National Commission on Terrorism, 1999-2000; The Commission to Assess the Ballistic Missile Threat to the U.S. (Rumsfeld Commission), 1998; The President's Commission on Federal Ethics Law Reform, 1989; The President's Blue Ribbon Commission on Defense Management (Packard Commission), 1985-1986; and The President's Commission on Strategic Forces (Scowcroft Commission), 1983. He is currently a Trustee of The Center for Strategic & International Studies; Chairman of the Advisory Committee of the Clean Fuels Foundation; and Vice Chairman of the Advisory Board of Global Options LLC. He also serves on many corporate boards.