

World Climate Declaration

# THERE IS NO CLIMATE EMERGENCY

**1952 SIGNATORIES**



GLOBAL CLIMATE INTELLIGENCE GROUP

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# THERE IS NO CLIMATE EMERGENCY



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# There is no climate emergency

*Climate science should be less political, while climate policies should be more scientific. Scientists should openly address uncertainties and exaggerations in their predictions of global warming, while politicians should dispassionately count the real costs as well as the imagined benefits of their policy measures*

## **Natural as well as anthropogenic factors cause warming**

The geological archive reveals that Earth's climate has varied as long as the planet has existed, with natural cold and warm phases. The Little Ice Age ended as recently as 1850. Therefore, it is no surprise that we now are experiencing a period of warming.

## **Warming is far slower than predicted**

The world has warmed significantly less than predicted by IPCC on the basis of modeled anthropogenic forcing. The gap between the real world and the modeled world tells us that we are far from understanding climate change.

## **Climate policy relies on inadequate models**

Climate models have many shortcomings and are not remotely plausible as policy tools. They do not only exaggerate the effect of greenhouse gases, they also ignore the fact that enriching the atmosphere with CO<sub>2</sub> is beneficial.

## **CO<sub>2</sub> is plant food, the basis of all life on Earth**

CO<sub>2</sub> is not a pollutant. It is essential to all life on Earth. More CO<sub>2</sub> is favorable for nature, greening our planet. Additional CO<sub>2</sub> in the air has promoted growth in global plant biomass. It is also profitable for agriculture, increasing the yields of crops worldwide.

## **Global warming has not increased natural disasters**

There is no statistical evidence that global warming is intensifying hurricanes, floods, droughts and suchlike natural disasters, or making them more frequent. However, there is ample evidence that CO<sub>2</sub>-mitigation measures are as damaging as they are costly.

## **Climate policy must respect scientific and economic realities**

There is no climate emergency. Therefore, there is no cause for panic and alarm. We strongly oppose the harmful and unrealistic net-zero CO<sub>2</sub> policy proposed for 2050. Go for adaptation instead of mitigation; adaptation works whatever the causes are.

**OUR ADVICE TO THE WORLD LEADERS IS THAT SCIENCE SHOULD STRIVE FOR A SIGNIFICANTLY BETTER UNDERSTANDING OF THE CLIMATE SYSTEM, WHILE POLITICS SHOULD FOCUS ON MINIMIZING POTENTIAL CLIMATE DAMAGE BY PRIORITIZING ADAPTATION STRATEGIES BASED ON PROVEN AND AFFORDABLE TECHNOLOGIES.**

To believe the outcome of a climate model is to believe what the model makers have put in. This is precisely the problem of today's climate discussion to which climate models are central. Climate science has degenerated into a discussion based on beliefs, not on sound self-critical science. Should not we free ourselves from the naive belief in immature climate models?



# The undersigned:

## WCD AMBASSADORS

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# TOTAL SIGNATORIES 1952



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### 5 Signatories

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## 179 SIGNATORIES FROM AUSTRALIA

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- Jeremy Barlow
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- Gordon Batt
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- Lawrence A. Wilson Professional Chemical Engineer, Melbourne
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## 10 SIGNATORIES FROM AUSTRIA

### 10 Signatories

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- Dr. Gerhard Kirchner
- Dipl Ing, Dr rer techn Heribert Martinides
- Rudolf Posch
- Dr. Eike Roth
- Helmut M. Sauseng
- Hans Dirk Struve
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PD in Medicine, and pharmacist and entrepreneur  
Career in Physics and Nanotechnology, patent holder and author in multiple scientific publications  
Berg Ingenieur, Climate Realist  
European Space Agency, retired  
PhD, Retired Software Engineer of a Technical Multinational, Expert in Nonlinearities and Feedbacks  
PhD in Physics, Lifetime career in Nuclear Energy  
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## 1 SIGNATORY FROM BANGLADESH

### 1 Signatory

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## 1 SIGNATORY FROM BARBADOS

### 1 Signatory

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Director of CSW Engineering 2000, Co-founder of The FREEWINDS organization



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Biologist, Computer scientist, experienced business consultant and change manager, director of two NGOs around awareness for, and protection and restauration of fragile ecosystems  
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## 1 SIGNATORY FROM BOLIVIA

### 1 Signatory

- Ambassador José Brechner  
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## 22 SIGNATORIES FROM BRAZIL

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### 21 Signatories

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- Dr. Peter Brian Bayley  
PhD, lifetime experience in Aquatic Ecology and Fisheries, retired from Dep. Fisheries & Wildlife, Oregon State University
- Jose Nestor Cardoso  
Professor on first oceanography course in Latin America, Pioneer on Brazilian expedition to Antartic, First scientific diver for Brazil from CMAS
- Mario de Carvalho Fontes Neto  
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Executive Editor of Agro DBO Magazine and Co-Author of the Book 'CO2, Warming and Climate Change: Are you kidding us?'
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- Geraldo Luis Saraiva Lino  
Geologist, Author of 'How a Natural Phenomenon Was Converted into a False Global Emergency'
- Marcello Silva Sader  
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Leadership development and coaching
- Russ Babcock  
retired biochemist, lifetime experience in the mining and smelting industry with emphasis on pollution abatement
- Tim Ball†  
Emeritus Professor Geography, University of Winnipeg and Advisor of the International Science Coalition
- Ron Barmby  
M.Eng in Engineering with major in Geoscience, Author of 'Sunlight in Climate Change: A Heretic's Guide to Global Climate Hysteria'
- Timothy J. Barrett  
PhD, Geochemical Researcher, Ore Systems Consulting

## Canada continued

- Robert Douglas Bebb Professional Engineer (Mechanical), MBA
- Callum Beck PhD in Religious Studies, Sessional Professor in Religious and University Studies
- Rick Beingessner BSc, BA and LLB University of Alberta, lifetime experience in the Geo-Energy Industry, recently involved in researching Climate Change Matters
- Jean du Berger Ingénieur Retraité, Bell
- Mario Blais Science and Mathematics Teacher
- Alain Bonnier PhD, Physique, INRS-Centre de Recherche en Énergie, Montréal
- Andrew Bonvicini Professional Geophysicist, President of Friends of Science Society
- Dr. Don Bowen PhD population ecology, Emeritus Research Scientist, Bedford Institute of Oceanography
- Jacques Brassard Minister of Recreation (1984), Minister of Environment (1994), Minister of Transport and Intergovernmental Affairs of Canada (1996), Minister of Natural Resources and House Leader
- Kevin Burke MSc in Marine Biology, author/co-author of 2 technical report with the Department of Fisheries and Oceans and 2 scientific article published in the Journal of Shellfish Research
- Chris Carr BSc (Hons) Engineering Geology and Geotechnics, retired Geoscientist
- Michel Chapdelaine MSc, Géologie, Montréal
- Michel Chossudovsky PhD of Economics, Professor of Economics, Emeritus, University of Ottawa
- Henry Clark Thermal/Power Engineer
- Ian Clark Professor of Earth and Environmental Sciences, University of Ottawa
- Edmond (Ted) Clarke MSc, Engineering, Member of Friends on Science Society
- Paulo N. Correa Biophysicist and Oncologist, Inventor, Author of numerous books and research papers, Director of Research at Aurora Biophysics Research Institute
- Hortense Côté Ingénieur Géologue, Goldminds
- Susan Crockford Zoologist and Polar Bear Expert, Former Adjunct Professor University of Victoria
- Norman Curry Technical College, Design Engineering-Mechanical Engineering, President of National Zephyr Research
- Charles Danten former veterinarian, scientific translator, author, and free-lance journalist.
- John Bruce Davies BSc Pysics and Mathematics, MSc Geoscience, PhD Geophysics and Astrophysics, awards for research on cosmology and fundamental physics.
- Ronald Davison Professional Chemical Engineer
- Dr. E. David Day BSc, PhD, Chemistry
- A.E. Dixon PhD, Emeritus Professor of Physics, University of Waterloo
- Eric Ducharme MSc, Géologie, Abitibi
- Michel Dumais Ingénieur Civil Retraité, Université d'Ottawa
- Dr. George Duncan PhD, Retired environmental consultant from A & A Environmental Consultants Inc.
- Claude Duplessis BcSc, Géologie, Ingénieur Géologue, Goldminds
- Craig A. Elliott MSc Mechanical Engineering, Design Consultant, President at CAElliott Inc
- Ashton Embry Research Geologist, Embry Holdings
- Christopher Essex Emeritus Professor of Mathematics and Emeritus Professor of Physics, University of Western Ontario
- David Fermor Anaesthesiologist, B.A., M.D., FRCPC
- Chris Fleming PhD, Senior Metallurgical Consultant
- Len Flint Ph.D, P.Eng. (Life Member). A 54 year career in oil and gas and renewable energies. Advisor on GHG footprints for several companies in Canada. Follower of the broad science.
- André Forgues Meteorologist/Aerologist
- Jeffrey Foss† Professor of Philosophy of Science, University of Victoria; Former WCD Ambassador
- Joseph Fournier PhD, Expert in Physical Chemistry
- Anita Frayne farmer and firm adherent of science realism-based decision making.

## Canada continued

- Paul M. Gagnon  
Professional Engineer
- George Gale  
PhD Geology, Mineral Deposit Geoscience  
Earth Scientists, life-long career in the study of paleoclimate, geology and earth ocean systems, see <https://www.youtube.com/watch?v=pj-lu1i317E>
- Thomas P. Gallagher  
BSc, Geology  
Engineer, life of time experience in the geo-energy industry  
Professional Engineer, Director Friends of Science Society  
PhD in Environmental Science and Decision System, Regional Planner and Associate Professor  
Retired Research Scientist Environment Canada, Advisor to the Georgian Bay Association
- J. Claude Gobeil  
MSc Soil Physics, Reclamation and Soil Scientist
- Douglas Goodman  
Professional Engineer registered with the Association of Professional Engineers and Geoscientists of Alberta (APEGA)
- Kenneth B. Gregory  
professional agrologist
- Jean-Francois Guay  
former member of the Royal Canadian Navy, former member of the Legislative Assembly of Nova Scotia, retired entrepreneur in the high-tech field (35 Years)
- Dr. Paul Hamblin  
Director Fortress ESG, provides specialized expertise to help clients map out their journey to attempt to achieve the goal of net zero by 2050
- John Hastie  
M. Eng. P. Eng., Alumni and Contract Lecturer, University of Toronto, Department of Chemical Engineering and Applied Chemistry, CHE568
- Mark T. Hohm  
Lecturer, Nuclear Plant Engineering
- R.G. Holtby  
Associate Professor, Paleontology, Paleoecology, Department of Earth and Environmental Sciences, Mount Royal University, Calgary, Alberta
- Patrick Hunt  
experimental physicist, researched in the field of fission energy  
Geologist and Environmental Researcher PhD University of Toronto
- Rick Ironside  
MSc Mechanical Engineering, Thermodynamics Expert, over 40 patents published
- Eric Jelinski  
Retired Research Scientist, National Water Research Institute, Author of Numerous Press Articles
- Paul A. Johnston  
Professional Geoscientist, life time experience in data modelling, data analysing and data interpretation
- Richard T. Jones  
Expert Reviewer IPCC 2007 AR4 Report
- E. Craig Jowett  
BSc, Analytical Chemist
- Andre Julien  
Professor of Economics and Canada Research Chair in Environmental Studies and Climate, University of Victoria
- Klaus L.E. Kaiser  
PhD in Solid State Physics, Max Planck Institute in Stuttgart, National Research Council of Canada, visiting professor at Zhejiang University in Hangzhou, retired
- Bogdan Kasprzak  
Professeur Retraité de Philosophie, CEGEP du Vieux Montréal
- Madhav Khandekar  
CEO North American Platform Against Wind Power, Great Lakes Wind Truth
- David Koop  
MSc, Professional Geologist
- Kees van Kooten  
PhD, Meteorology, past President of Friends of Science
- Emil Koteles  
PhD in Astrophysics, Full Professor in the Department of Physics and Astronomy, University of Calgary
- Jean Laberge  
PhD, Management, HEC Montreal
- Sherri Lange  
PhD, Professeur Retraité en Géologie, Université Laval
- M.J. Lavigne  
Retired businessman and Independent Truth Seeker
- Douglas Leahey  
BSc (Hons) in Geophysics from the university of Manitoba, Exploration Geophysicist, Founder and CEO of several exploration and production companies in the oil industry
- Professor Denis Leahy  
Research Engineer in the Chemical Industry, Co-Founder of the Lightfoot Institute, papers on Alternative Energy and Atmospheric CO2
- Dr. Catherine Lebrun  
Retired Meteorologist, Environment Canada
- Robert Ledoux  
Retired Engineer
- Dick Leppky  
Independent Climate Researcher
- Richard Lewanski
- H. Douglas Lightfoot
- Gerald Machnee
- Allan M.R. MacRae
- Paul MacRae

## Canada continued

- Joanne Marcotte Bachelor's Degree in Computer Engineering and Author of "Inconvenient Doubts - Climate Change Apocalypse: Really?"
- Michael Martinz Radio Podcast Host, Climate Realist, Activist, former Industrial Consulting Forester
- J. David Mason Applied Geologist, BASc, Applied Geology, MEng., Mining
- Stuart McDonald Retired Canadian Insurance Broker
- Dwight McIntosh degree in physics and geology at the University of Alberta, lifetime of experience in the geo-energy industry, advisor on how to cope with financial penalties for GHG emissions
- Norman Miller Former P.Eng, now Retired
- Ron Mills Geologist/geochemist Emeritus NS Geological Survey
- Randall S. Morley veterinary epidemiologist, retired
- Dr. Thomas F. Moslow PhD, P. Geol., President Moslow Geoscience Consulting Ltd., Adjunct Professor Department of Geoscience, University of Calgary
- Roland Moutal Teacher Physics and Chemistry at Vancouver Community College
- Prof. Frank Mucciardi retired Professor in the Department of Mining and Materials Engineering at McGill University Montreal, research focus on energy, heat transfer, fluid mechanics and modeling
- Eiichiro Ochiai Emeritus Professor, Juniata College (USA)
- Christian Olivier former Postdoc @ UC Berkeley
- Robert Orr Historical Linguist
- Scott Patterson Professional Geologist
- Andy Pattullo Associate Professor of Medicine at the University of Calgary
- Steven Pearce PhD, Lecturer
- Prof. David A. Penny PhD, Former Associate Professor, Dept. of Computer Science, University of Toronto, currently CTO at BlueCat Networks
- Gregory Phillips Retired Agrifood Industry Professional, with research background in biology, economics and policy formulation.
- Jozinus Ploeg retired Vice-President, Engineering and Technology, National Research Council, Canada. Field of expertise: Energy transfer from atmosphere to surface of ocean, wave mechanics
- Joe Postma Research Analyst, Physics & Astronomy, University of Calgary
- Brian R. Pratt Professor of Geological Sciences, University of Saskatchewan
- Michael Priaro BSc Chem. Eng, P.Eng, Member of Association of Professional Engineers and Geoscientists of Alberta
- Gerald Ratzner Professor Emeritus, Computer Science McGill University, Montreal
- John Angus Raw aerospace engineer, specialised in aerodynamics, life time career in the international aerospace industry
- Dr. Michael Raw PhD in Mechanical Engineering, specialization in computer modelling of fluid flow and heat transfer, current field of work in technology management
- Robert James Reid BSF degree, Registered Professional Forester, lifetime experience in the forestry industry
- Norman Reilly Professor Emeritus of Mathematics, Simon Fraser University, British Columbia
- Gérald Riverin PhD, Géologie, Géologue Retraité
- John Robson Historian, Journalist, Documentary Filmmaker
- Peter Salonijs Retired Research Scientist, Natural Resources
- Marcelo C. Santos Professor of Geodesy, University of New Brunswick
- Paul R. Schmidt BSc, Professional Engineer Ontario, Research Scientist, Author/ Lecturer 'Review & Analysis of Climate Change', Member Friends of Science
- Ian de W. Semple Retired Exploration Geologist and Mining Investment Analyst of McGill University
- Afshin Shahzamani Retired professional (Medical Science Liaison) pharmaceutical industry
- Élie Shama Ingénieur Retraité en Électromécanique, Président d'Éconoden, Montréal
- Wayne Shephard MSc Geology, Retired oil and gas explorer
- H.F. (Gus) Shurvell Emeritus Professor of Chemistry, Queen's University



## Canada continued

- Brian Slack Distinguished Professor Emeritus, Concordia University Montreal, Department of Geography, Planning and Environment
- Aize Smit MSc Climatology on Global Warming, retired high school science and A.P. environmental science teacher
- Nigel Southway Business and Manufacturing Engineering Consultant, Educator, and Author
- Rodolfo (Rudy) Spatzner graduated from Environmental/Civil Engineering Technology, Humber College, Ontario, lifetime experience in wireless networks across North America
- Robert Sproule PhD, Professor of Economics, Bishop's University, Quebec, Canada
- Michelle Stirling Writer/Researcher with focus on 'consensus' social proofs, Top 10% downloaded author on SSRN, Communications Manager, Friends of Science Society
- Mary Taitt PhD Zoology, MSc Ecology, retired
- Mario Thomas B.Sc., Ph.D. Chemistry, CEO and Chairman of Precision Biomonitoring Inc.
- Graydon Tranquilla BScEE, Electrical Power, Senior Electrical Engineer (retired), now an energy advisory consultant
- V Ismet Ugursal Professor of Mechanical Engineering, Dalhousie University
- Marc Vallée PhD, Geophysicien
- Petr Vaníček Dr. Sc, Professor Emeritus of Geodesy, University of New Brunswick
- Duncan Veasey psychiatrist with a particular interest in mass hysteria, authoritarianism and social compliance
- Prof. Dr. Ir. Frank C.J.M. van Veggel Full Professor at the University of Victoria, M.Eng and PhD in Chemical Technology, University of Twente, The Netherlands, Since 2015 Fellow of the Royal Society of Canada
- Jean-Joel Vonarburg PhD, Professeur Ingénieur, Université du Québec à Chicoutimi
- Dr. Ronald Voss PhD Chemistry, lifetime career in the environment department of a research consortium
- Robert Wager BSc and MSc, Microbiological Sciences and Immunology, Biochemistry and Molecular Biology, Retired
- Dr. Helen Warn PhD in Fluid Dynamics from McGill University
- Dr. Thorpe W. Watson material science, lifetime career in the mining industry with focus on intellectual property protection
- Larry Weiers energy engineer, retired, author of "Sustainability of the Modern Human Economy"
- William van Wijngaarden Professor of Physics, York University
- Kenneth W. Wilson Professional Engineer (retired)
- Daryl Youck MSc, PEng, Oil Sands Pioneer
- AL ZEEPER Physicist, Mathematically discovered the Unification of Gravity with Electricity and Magnetism



## 4 SIGNATORIES FROM CHILE

### 1 WCD Ambassador

- Douglas Pollock Civil Industrial Engineer, University of Chile

### 3 Signatories

- Juan Luis Edwards Velasco Civil engineer in hydraulics, Universidad Católica de Chile, Master in hydraulic engineering, Universidad de Santander, Spain
- Rafael Muñoz Canessa Part time Academic University of Talca, Economics and strategic management
- Carlos Varea Energy Engineer



## 4 SIGNATORIES FROM CHINA

### 4 Signatories

- Dr. Robert Hanson PhD, BA (Hons), MA, LL.M, PGCE, CPE, Barrister
- Guang Bao Liu BSc and MSc in Atmospheric Physics, Author of "The Principle of Periodic Changes in Earth's Climate"

## China continued

- Wyss Yim
- NG Young

Retired Professor, Dpt of Earth Sciences, University of Hong Kong, Dept Chairman Climate Change Science Implementation Team UNESCO year for Planet Earth, Expert Reviewer IPCC AR2 Principal Geoscientist, Danxiashan Global Geopark of China



## 2 SIGNATORIES FROM COLOMBIA

### 2 Signatories

- William Antonio Lozano Rivas
- Felipe Villegas

full Professor of Water Management, Water Engineering, Climate and Meteorology, Simulation and Modeling; Piloto de Colombia University MSc Civil engineer. MBA, Consultant for Energy, Policy and Regulation



## 1 SIGNATORY FROM COSTA RICA

### 1 Signatory

- Eugenio G. Araya

Theoretical Physicist, Researcher, former scientist at University of Costa Rica



## 2 SIGNATORIES FROM CROATIA

### 1 WCD Ambassador

- Dušan Bižić

MSc, Meteorologist, Head of Radar Centre of the Croation Meteorological and Hydrological Service

### 1 Signatory

- Zorislav Gerber

MSc, Head of Hail Prevention Support Department, Croatian Meteorological and Hydrological Service



## 1 SIGNATORY FROM CYPRUS

### 1 Signatory

- Darko Krstic

editor of <https://philosophyofgoodnews.com/>



## 15 SIGNATORIES FROM CZECH REPUBLIC

### 15 Signatories

- Ladislav Bocak
- Pavel Dudr
- Marek Eiderna
- Tomas Furst
- Vaclav Hubiner
- Pavel Kalenda
- Václav Klaus
- Peter Kopa
- Lubos Motl
- Václav Procházka
- Dr. Milan Salek
- Ivan Spicka
- Dalibor Štys
- Gary M. Vasey

PhD, Professor of Entomology, Czech Advanced Technology and Research Institute

Ing, Independent publicist and climatologist / Pravy prostor, EP Shark/

Agricultural Engineer and graduated in General Biology

PhD, teacher of mathematics at Palacky University in Olomouc and a proponent of correct, i.e. Bayesian inference

Retired Ambassador, Anthropologist, Climate Policy Commentator for [www.forum24.cz](http://www.forum24.cz)

PhD, CSc., Coal Expert

Former President of the Czech Republic, Professor of Economics, Founder of the Václav Klaus Institute

Lawyer, Writer, Publisher, Founder of [thinktanklatam.org](http://thinktanklatam.org)

PhD, former Harvard faculty, high energy theoretical physicist, co-author of the 2009 NIPCC report

participates in paleoclimatic research of sediments in central Europe and in the exogenous model of global tectonics showing that the Earth crust cannot be ignored in climatic models.

PhD, Freelance Meteorologist and Consultant

Professor of Internal Medicine at Charles University with speciality in Hemato-Oncology, Prague

professor of Applied physics, Faculty of Fisheries and Protection of Waters, University of South Bohemia in České Budějovice

PhD, Geology, Managing Partner and Analyst in Commodity Technology Advisory llc

## Czech Republic continued

- Ing. Miroslav Žáček

PhD., applied geochemistry, been working on the climate for more than 10 years as a geochemist



## 15 SIGNATORIES FROM DENMARK

### 1 WCD Ambassador

- Jens Morten Hansen

PhD, Geology, Professor at Copenhagen University, Former Director General for the Danish National Research Agency and National Research Councils

### 14 Signatories

- Bjarne Andresen
- Claus Beyer
- Steffen Frederiksen
- Dr. Hans Götzsche
- Frank Hansen
- Niels Harrit
- Sören Kjærsgaard
- Johannes Krüger
- Knud Larsen
- Peter Locht
- Peter Kjær Poulsen
- Steen Rasmussen
- Niels Schrøder
- Pavel Svennerberg

Professor of Physics, Niels Bohr Institute, University of Copenhagen  
Geologist, gen.manager for CB-Magneto, possessing palaeomagnetic laboratory

MSc Economics, Climate Economics, Cost benefit analysis of CO2  
Emeritus Associate Professor, Linguistics and Philosophy of Science, President Nordic Association of Linguists (NAL), Director, Center for Linguistics, Aalborg University

Emeritus Professor, Department of Mathematics, University of Copenhagen

PhD, Emeritus Associate Professor of Chemistry, Dept. Chemistry, University of Copenhagen

Professional Chemical Engineer

Emeritus Professor, Dr. Scient, Department of Geosciences and Natural Resource Management, University of Copenhagen

PhD, Natural Sciences

Senior Lecturer, Business Academy Aarhus (statistics)

Metering Engineer

Bsc in Electrical Engineering from Denmark Technical University, lifetime career at IBM Denmark Aps

Geophysist/Geologist, Associate Professor Institute of Nature and Environment, Roskilde University

Master of engineering, Technology of oil and gas processing



## 1 SIGNATORY FROM ECUADOR

### 1 Signatory

- Fernando Villon

MSc, Industrial Engineer, Lifetime Experience in the Geo-Energy Industry



## 1 SIGNATORY FROM ESTONIA

### 1 Signatory

- Andres Saukas

Diploma Electrical Engineer, Estonian Society of Moritz Hermann Jacobi



## 7 SIGNATORIES FROM FINLAND

### 7 Signatories

- Merit Enckell
- Christer Kald
- Simo Mykkanen
- Ari Okkonen
- Dr. Antero Ollila
- Simo Ruoho
- Boris Winterhalter

PhD, MSc, former KTH, Royal Institute of Technology, freelance researcher, specialist in Structural Health Monitoring, sustainable development

Engineer with academic studies in Physics, Chemistry and Mathematics

Ba Econ, small business owner, retired

MSc EE, Finland, Climate data analysis enthusiast

Emeritus Adj. Ass. Professor Aalto University, expert in atmospheric modeling

President Ilmastofoorumi ry Finland, Signature of association <https://ilmastofoorumi.fi> including its scientists and professional members

Retired Marine Geology, Geological Survey of Finland



## 112 SIGNATORIES FROM FRANCE

### 1 WCD Ambassador

- Benoît Rittaud

Assistant professor of Mathematics at University of Paris-Nord,  
President of the French Association des climato-réalistes

### 111 Signatories

- Jean-Charles Abbé  
Former Research Director at CNRS, Labs Director (Strasbourg, Nantes) in Radiochemistry, Expert at NATO and IAEA
- Pascal Acot  
Centre National de la Recherche Scientifique, Paris
- Bertrand Alliot  
Environmentalist
- Yacine Amara  
PhD of Applied Physics, Professor of Electrical Engineering
- Frédéric Antoine  
graduated from Sciences Politiques in France
- Charles Aubourg  
Full Professor at the University of Pau, Geophysicist
- Hervé Azoulay  
Engineer (CNAM), Specialist of Networks and Systemics, CEO and President of several Associations
- Guy Barbey  
Alumnus of Harvard Business School, Retired Investment Banker, Founder and President of 'Climate et Vérité'
- Jean-Pierre Bardinet  
Ingénieur ENSEM, Publicist on Climate Issues
- Yorik Baunay  
Geographer (Master 2) specialized in the natural risk and crisis management, CEO of Ubyrisk Consultants (firm specialized on natural hazard mitigation)
- Bernard Beauzamy  
University Professor (Ret.), Chairman and CEO, Société de Calcul Mathématique SA (Paris)
- Serge Bellotto  
PhD, Geology
- Guy Bensimon  
Retired Associate Professor of Economics at Institute of Political Studies of Grenoble (SciencesPo Grenoble)
- Jean-Claude Bernier  
Emeritus Professor (University of Strasbourg), Former Director of the Institute of Chemistry of the CNRS
- Pierre Beslu  
Former Researcher and Head of Department in the French Nuclear Energy Commission (CEA)
- Michel Bouillet  
PhD, Human Geography, Emeritus Professor, Former Associate Researcher at the MMSH (Aix-en-Provence)
- Christian Buson  
PhD, Agronomy, Director of Research in a Company (impact studies in Environmental Issues, Sewage Treatment)
- Jean-Louis Butré  
Head of Laboratory at Grenoble Nuclear Research Center, President of the Fédération Environnement Durable and the European Platform Against Windfarms
- Emmanuel Camhi  
Msc in Physics, life time experience in Complex Systems Modeling and Data Analysis in the Aerospace industry
- Bernard Capai  
Retired Chemistry Engineer, Specialist of Industrial Processes avoiding the use of Carcinogenic Solvents
- John Carr  
PhD in Physics, Directeur de Recherche CNRS (retired), Particle Physics and Astroparticle Physics
- Patrick de Casanove  
Doctor of Medicine, Chairman of the Cercle Frédéric Bastiat
- Philippe Catier  
Medical Doctor
- Vincent Chaplot  
PhD Soil Science, Senior Research Scientist
- Bruno Chaumontet  
Engineer ENSEA, specialized in Feedback Systems
- Pascal Chondroyannis  
Forest Engineer, Retired Director of the National Alpine Botanical Conservatory (2008-2013)
- Jean Michel Colin  
PhD, Retired Chemist Engineer, Expert for the French Academic Evaluation Agency (AERES)
- Philippe Colomban  
CNRS Research Emeritus Professor, Former Head of Laboratory at Université Piere-et-Marie Curie, Expert in Hydrogen-based Energy Storage
- Jacques Colombani  
Former Research Director ORSTOM-IRD, numerous Studies in Hydrology and Climatology and Specialist in Fluid Mechanics, Member of the Board of ORSTOM for twenty years
- Christian Coppe  
PhD, Organic & Analytical Chemistry
- Philippe Costa  
Energy Engineer at ENSEM Nancy, specialist in Industrial Process and Energy Saving

## France continued

- Vincent Courtillot Geophysicist, Member of the French Academy of Sciences, Former Director of the Institute de Physique du Globe de Paris
- Pierre Darriulat Professor of Physics, Member of the French Academy of Sciences
- Jean Davy Engineer (ENSAM), Digital Modeling Software Developer
- Dr. Stephen John Dearden Retired Research Chemist, lifetime R&D experience in the general chemical, pharmaceutical and photographic industries
- Pierre Delarboulas CEO of a Robotics Company, Former R&D Director at Partnering Robotics, Silver Medal at the 2016 Lépine contest of the Ministry of Foreign Affairs and International Development
- Jean-Pierre Desmoulins Retired Professor of Thermal and Energy Engineering at the “Institut Universitaire de Technologie, Université-Grenobles-Alpes”
- Gérard Douhet PhD, Nuclear Physics, Retired Engineer at CERN, Technical Manager on Digital Transmission and Video Encoding
- Hubert Dulieu Emeritus Professor Applied Ecology, Formerly Senior Researcher in the CNRS, President of the National Scientific Research Committee, Vegetal Biology Section (XXVII)
- Dr. Denis Dupuy Urologist, climate realist
- Bruno Durieux Economist, Former Minister of Health and of Foreign Trade, Ancient Administrator of the French National Institute of Statistics and Economic Studies (INSEE)
- Ralph Ellis Bsc in Aviation, ATPL
- Max Falque International Consultant in Environmental Policy
- Serge Ferry PhD, Retired Teacher-Researcher (MCF), University of Lyon
- Patrick Fischer Associate Professor in Applied Mathematics, University of Bordeaux
- Michel Frenkiel Engineer (Arts et Métiers), Former Researcher with NCAR at Boulder
- Francis le Gaillard PhD, Natural Sciences and Pharmaceutical Sciences, Emeritus Professor of Biochemistry at the Faculty of Pharmaceutical Sciences of Toulouse
- François Gauchenot Governance Specialist, Founder of Saint George Institute
- Jean Gergelé Engineer Graduate from the Ecole Centrale de Lyon, R&D Director, Freelance Consultant, mainly in the Li-ion battery development
- Christian Gérondeau Former Advisor of several French Prime Ministers, Formerly responsible for the Road Traffic Safety Policy for France and the European Union
- Francois Gervais Emeritus Professor of Physics and Material Sciences, University of Tours
- Philippe Giraudin Ecole Polytechnique Paris, Geographic Sciences
- Bernard Grandchamp Agronomic Engineer and Environment & Plant Defense Expert, Managing Director of Famos Chateaux Viticoles in Bordeaux
- Gilles Granereau Former Meteorologist, currently Project Manager Environment and Tourism, Worked on Coastal Risks, Marine Erosion, Sand Dune Fixation, Hydraulics, Forest Management, Botany
- Maximilian Hasler Associate Professor in Mathematics, University of French West Indies
- Charles Hazan Retired Chemist (ENSCP) and Chemical Engineer (UMIST) Former Technical Director Nosolor
- Manfred Horst MD, PhD, MBA, lifetime career in healthcare and pharmaceuticals
- Ed Hoskins MSc, Founder of Applied Research of Cambridge
- Julien Iapichella PhD in Chemistry
- Yvon Jarny Emeritus Professor in Thermal and Energy Sciences, Nantes University
- Claude Jobin Retired A&M Engineer specialized in Microwave Communication
- Alan Kennedy Emeritus Professor of Psychology, University of Dundee, Fellow of Royal Society of Edinburgh
- Vladimir Klein lifetime career in renewable energy projects, patent holder in aerobic composting of organic waste
- Alexandre Krivitzky Psychoanalyst, Member of the International Psychoanalytical Association
- Roger Lainé Retired Geological Engineer
- Philippe de Larminat Professor at École Centrale de Nantes, specialist of Business Process Modeling
- Jacques Laurentie Aeronautical Engineer, and CEO of a software publishing company
- René Laversanne Researcher at the CNRS, 16 patents

## France continued

- Christian Liegeois PhD Physics, patent holder in photonics
- Jean-Marie Longin Engineer (Saint-Cyr), Chief of the Pole Operations of Security Inventory Management
- Guy Lucazeau Emeritus Professor (Institut Polytechnique de Grenoble) in Material Sciences and Spectroscopy
- Philippe Malburet Emeritus Associated Professor of Mathematics, Founder of the Planetarium of Aix-en-Provence, Member of the Academy of Aix-en-Provence
- Christian Marchal Astronomer and Mathematician, Former Research Director at the French National Office for Aerospace Studies and Research
- Dr. Yves G. Maria-Sube PhD in Geosciences Montpellier University, lifetime career in the geo-energy industry
- Paolo Martinengo Applied Physicist, Senior Staff Member in the Experimental Physics Department, Detector Technologies Group, CERN
- Patrick Mellett Architect and CEO
- Marc le Menn PhD, Head of Metrology-Chemistry Oceanography Lab, Brest
- Henri Mertz Ingénieur Civil de l'école de la Métallurgie et des Mines de Nancy, Chef d'Entreprises
- Serge Monier former manager of various multinational companies, at present Co-founder and Treasurer of 'Climat et Vérité'
- Jean-Laurent Monnier Emeritus Research Director, CNRS-Université de Rennes, Research Worker at the CNRS from 1973 to 2013, speciality in Pleistocene Geology in Western Europe
- Jacques-Marie Moranne Retired Engineer (Ecole Centrale de Lille), Specialist in Air and Water Purification, Chemical and Nuclear Engineering
- Serge Morin Emeritus Professor Geography at Université Michel de Montaigne, Bordeaux, Honorary Mayor of Branne
- Cédric Moro Geographer on Natural Hazards Management, Co-Founder of Visov, a NGO in Civil Defense
- Philippe Morvan Engineer ENSTA and Génie Maritime, specialist in Software Development
- Dr. Arnaud Muller-Feuga former researcher in biological oceanography, agronomy engineer, founder of Microphyt SA. Now retired.
- Charles Naville R&D Exploration Geophysicist, IFP Energies Nouvelles
- Massimo Nespolo PhD, Distinguished Professor of Mineralogy and Crystallography, Université de Lorraine, France
- Michel le Normand Emeritus Professor of Botany and Plant Pathology and Chairman of Plant Production Department, National Superior School of Agronomy, Rennes
- Ludovic Penin former Senior Executive, Chief Information Officer, former Entrepreneur/Investor, Co-founder and Vice-president of 'Climat et Vérité', member of "Association des Climato-réalistes"
- Dr. Patrice Poyet Graduated at Ecole des Mines de Paris as a geochemist and defended a D.Sc. (1986) at Nice University / INRIA, author of 'The Rational Climate e-Book'
- Rémy Prud'homme Emeritus Professor in Economics at University of Paris-Est, Former Deputy-Director, Environment Directorate, OECD
- Jean Marie Ravier Engineer of ECOLE CENTRALE DE PARIS, and diplomed SCIENCES POLITIQUES PARIS, recently retired MD of small industrial company
- Pierre Richard Engineer ESPCI Paris, Former Research Geochemist at Institut de Physique du Globe de Paris (IPGP)
- Pierre Ripoché Engineer INSA in Chemistry, Retired Project Manager in R&D, Expert in High Temperature Plasma for Optical Fiber Process
- Isabell Rivals Associate Professor in Statistics at ESPCI Paris
- Bertrand Rouffiange Doctor of Medicine, specialized in Radiology
- Jean Rouquerol Emeritus Research Director at CNRS Marseille, Expert in Gas Adsorption and Calorimetry
- Georges de Sablet Retired Associate Professor at University of Paris Descartes, formerly in charge of Operating Systems and Networks at IUT Paris
- Jorge Julian Sanchez Martinez PhD in Physics, Msc in Solid State Physics MsC in Maths
- François Simonet PhD, Biology, Former Director for Planning and Foresight in a State Agency for Water and Aquatic Ecosystems Management

## France continued

- Zakaria Tarif  
Scientific engineer specialized in electrical energy and telecommunications
- Luc C. Tartar  
Mathematician, corresponding member of Académie des Sciences in Paris, University Professor of Mathematics emeritus at Carnegie Mellon University, Pittsburgh, PA
- Marcel Terrier  
Ex Engineers in Industry, Former Teacher at the Douai School of Mines
- Michel Thizon  
Chemical engineer, ACR (Association des Climato-Réalistes, France) member, former researcher at the Ecole Polytechnique, consultant, retired
- David Uzal  
PhD philosophy of technics and PhD of practical philosophy
- Etienne Vernaz  
Former Director of Research of CEA (Commissariat à l'Énergie Atomique) in France, Professor at INSTN (Institut National des Sciences et Techniques Nucléaires)
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Retired Engineer at École des Mines, specialist in Telecommunications and Broadband Networks
- Werner de Ville Vreden  
writer ("Afrika"), developer and author
- Brigitte van Vliet-Lanoë  
Geoscientist, Emeritus Research Director (CNRS, Université de Bretagne Occidentale), Stratigraphy and Paleoenvironments, Quaternary and Holocene
- Théa Vogt  
Retired CNRS Searcher, Géomorphology, Quaternary Palaeoenvironments, Soil and Desertification Remote Sensing
- Henry Voron  
Retired Civil Chief Engineer, specialized in Water Management



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Professor (i.R.) am Institut für Technische und Makromolekulare Chemie der Universität Hamburg

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- Detlef Ahlborn  
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- Prof. Dr. Peter Altmiks  
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- Dietrich Bannert  
Professor Honoris Causa, University of Marburg
- Graham George Baumber  
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- Dr. Lars Birlenbach  
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- Klaus-Dieter Böhme  
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- Stephan Bujnoch  
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- Eike-Mattias Bultmann  
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- Dr. Arthur Chudy  
Agricultural Chemist, OT Warsaw
- Günter Dedié  
Dipl. Physiker
- Prof. Dr. Hans Demanowski  
Engineer, Professor of Packaging Technology, BHT, Berlin, expert in Counterfeit Protection, holder of several Patents in this field
- Dr. Joachim Dengler  
Physicist retired, PhD, patent holder in fingerprint analysis, work on relation between CO2 emissions and concentration
- Dr. Ing. Rolf Diederichs  
Studie Eisenhüttenkunde in Clausthal-Zellerfeld, climate realist
- Prof. Dr. Klaus D. Döhler  
Professor of Pharma Sciences, University of Hannover
- Wolf Doleys  
Retired teacher (high school, college) and writer (essay, poetry, novel)
- Joerg Dornemann  
Msc in Geology, lifetime career in the Geo-Energy Industry
- Jörg Eichner  
Specialist in situational awareness in crises and risk management

## Germany continued

- Friedrich-Karl Ewert  
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- Ludwig E. Feinendegen  
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- Axel Robert Göhring  
Doctor of Natural Sciences, EIKE e.V.
- Dr. Klaus-Jürgen Goldmann  
worldwide experienced petroleum geologist
- Dr. Christian Habermann  
Dr. in Economics, Investment Manager
- Eberhard Happe  
Eisenbahningenieur
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- Manfred Hauptreif  
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- Dr. Fleck Helmut  
langjährige berufliche Tätigkeit als Projektkoordinator in einer Großforschungseinrichtung
- Dennis J. Hendricks  
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- Dietmar Hildebrand  
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Chemist, developer of low-carbon cement compositions
- Dr. Andreas Hoppe  
Systems biologist, Institute for Bee Research
- Heinz Hug  
Chemistry, Master (Diplom Chemiker), PhD (Dr. rer. nat.), lecturer at Paul-Ehrlich-Schule (Frankfurt, Germany), Technical College affiliated to the former Hoechst AG
- Prof. Axel Janke  
PhD, professor of evolutionary genomics
- Jörg Jensen  
Dipl.-Ing. Interested and committed to environmental issues
- André Karutz  
Chemist, Dr. rer. nat. expert in environmental matters
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Retired Physician, Internist and Physiologist
- Dr. Udo Kienle  
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- Stefan Kröpelin  
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- Dr. rer. nat Gunter Kümel  
lifetime career in virus research in the natural sciences
- Max Kupillas  
Dipl.-Ing. Masch.-Bau, retired Prod.Ltr.
- Ulrich Kutschera  
Professor of Plant Physiology & Evolutionary Biology at the University of Kassel and Visiting Scientist in Stanford USA
- Jobst Landgrebe  
Scientist and Entrepreneur specialised in Artificial Intelligence and Theory of Science
- Wolfgang Laub  
Physics (J.W.Goethe University, 1977-1986), Medicine (Physiology-Biomechanics, Max-Planck Institute, 1980-1986), patent holder in different areas
- Michael Limburg  
Vice-President EIKE (Europäisches Institute für Klima und Energie)
- Martin Lindner  
PhD in Chemistry, Dipl. in Chemistry, President of the Bürger für Technik
- Dr. rer. nat. Rolf Lindner  
Chemist
- Dr. Alf Loeffler  
PhD in Theoretical Physics
- Prof. Dr. Kai van de Loo  
Dr. rer. oec. Honorarprofessor der THGA und Senior Consultant im Forschungszentrum Nachbergbau
- Dr. Stephan Lorenzen  
PhD Theoretical Biology, Bioinformatician, worked with nonlinear modelling



## Germany continued

- Professor Dr. Knut Löschke studied crystallography, chemistry, physics, mathematics and computer science. Honorary professor at the University of Leipzig, dealt with the energy industry and climate change
- Horst-Joachim Lüdecke Professor of Operations Research (i.R.) HTW of Saarland, Saarbrücken
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- Prof. Lothar W. Meyer Emeritus Professor of Material Engineering, Chemnitz University of Technology, Saxony Entrepreneur 'Nordmetall GmbH', Member of the Board of 'Vernunftkraft Niedersachsen'
- Marcus Moller MD, PhD, University Professor of translational Nephrology, RWTH Aachen University, Germany
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- Dipl. Phys. Raimund Müller education in physics and thermodynamics, climate realist
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- Rainer Olzem Diplom-Geologe, Aachen
- Flo Osrainik Bestselling Author & Journalist
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- Dr. Hendrik Schlesing Environmental Expert and Consultant
- Hans Joerg Schmidt Chemical Engineer and Autor of certain books, explaining atmospheric energy exchange and providing arguments against global warming caused by mankind
- Dr. Martin Schmidt PhD Physics, industrial career of research, development and production of hightec products and subsequently 22 years CEO of Möller-Wedel, a German medical company
- Christoph Schmidt MSc Mathematics, JWG-University Frankfurt
- Stefan Schmidt Scientist in the field of Energy
- Dr. Jens-Christoph Schneider PhD in Isotope Chemistry, life time career in palaeoclimate and atmospheric geochemistry
- Dr. rer. nat. Michael Schnell Retired Chemist
- Prof. Dr. Dr. Karl-Heinz Schulz University Hospital Hamburg-Eppendorf, interdisciplinary research in Medicine, Psychology and exercise science (<https://www.researchgate.net/profile/Karl-Heinz-Schulz-2>)
- Thomas Schulze Thomas Schulze, Dr. phil., Selbständiger Berater und Dozent
- Dipl. Psych. Ulrike Schwan Professional psychotherapist, psychotherapist look at the IPCC organization
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## Germany continued

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  - Ralf D. Tscheuschner
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  - Silvio Weeren
  
  - Thomas Weimer
  
  - Toon Weisenborn
  - Carl-Otto Weiss
  
  
  - Roland Wiesendanger
  - Dr. Peter Willingmann
  - Lutz Wimmer
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Parliamentary adviser in the Bavarian Parliament  
President EIKE Institute  
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PhD, Retired Experimental Physicist at the Federal Institute in Braunschweig, Dept. of Atomic Physics  
PhD in Physics  
Geologist  
Dr. Dipl. Ing., Scientist, working 40 years in chemical industry  
Exploration Geophysicist with lifetime interest in Paleoclimate  
Diplom in Physics, former IBM environmental affairs Germany, former chairs of EM13 and ECMA TC38  
Process Engineer (Dr.-Ing.), worked on CO2 capture from atmosphere and during hydrogen generation  
PhD in Theoretical Physics, Emeritus scientist  
Emeritus Professor in Non-linear Physics, Advisor to the European Institute for Climate and Energy, Former President of the German Meteorological Institute, Braunschweig  
Professor of Experimental Physics, University of Hamburg, Germany  
Dr. rer.nat  
MSc Climate- and Environmental Change (Geography)



## 18 SIGNATORIES FROM GREECE

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- Prof. Stavros Alexandris
- Professor of Agricultural Meteorology & Crop Water Requirements, at the Agricultural University of Athens, Dept. of Natural Resources & Agricultural Engineering.

### 17 Signatories

- Ioannis Benekos
  - Costas Fasseas
  - Anthony Foscolos†
  - Chris Fytas
  - Christos Georgiou
  - Dr. Vassilios C. Kelessidis
  - Christos J. Kolovos
  - Emmanouil Kopanakis
  - Prof. Demetris Koutsoyiannis
  - Aristotelis Liakatas
  - Prof. Nikos Mamassis
  - Charilaos Markopoulos
  - Spyridon Nikiforos
  - Dr Miltiadis Nimfopoulos
  - Sonia Perez†
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Emeritus Professor of Plant Anatomy & Electron Microscopy, Department of Crop Science, Agricultural University of Athens  
Emeritus Professor of Mineral Resources at the Technical University of Crete, Energy Consultant for the United Nations Development Program (UNDP)  
PhD, MSc in Chemistry, Chemist, Lyophilization Scientist  
MSc (with Honors) in Biochemistry, PhD in Biology-Biochemistry, Emeritus Professor of Biochemistry  
former Professor at Khalifa University, Texas A&M at Qatar and Technical University of Crete Greece, Lifetime of Experience in Petroleum Engineering  
PhD, Mining & Metallurgy Engineer; Former Director of Mine Planning & Contractor Works Dept., Public Power Corporation of Greece  
Mechanical Engineer; Teacher at the Environmental Education Center of Karpenisi  
Professor Emeritus of Hydrology and Analysis of Hydrosystems at the National Technical University of Athens  
Emeritus Professor of the Agricultural University of Athens on Agrometeorology, Member of the Greek Agricultural Academy  
Professor of Engineering Hydrology and Hydrometeorology at the National Technical University of Athens  
MSc in Waste Management  
Economist, MBA  
PhD in Earth, Atmospheric and Environmental Sciences, lifetime career in Applied and Environmental Geochemistry  
PhD, Biology/Immunology, Scientific Coordinator Cancer Immunology and Immunotherapy Center Saint Savas Cancer Hospital, Athens

## Greece continued

- Dr. G.-Fivos Sargentis
- Michael Sidiropoulos

Dr Engineer-Sculptor, Dept. of Water Resources; School of Civil Engineering, National Technical University of Athens  
Principal Engineer, FortisBC



## 2 SIGNATORIES FROM GUATEMALA

### 2 Signatories

- Jorge Chapas
- Christopher Lingle

agronomist, environmental economics specialist, writer, spokesman of climate realism and conservative politician.

PhD Economics Universidad Francisco Marroquín



## 9 SIGNATORIES FROM HUNGARY

### 1 WCD Ambassador

- Laszlo Szarka

Geophysicist, O.M.

### 8 Signatories

- Dr. Dezso Csejtei
- Dr. Endre Fuggerth
- István Héjjas
- Tom Kauko
- József Király
- Dr. József Majer
- Gábor Simon
- Dr. Gábor Szász

retired professor of philosophy at the University of Szeged

lifelong experience in gas-chromatography

PhD, Retired R&D Electrical Engineering

PhD Geography, Independent Researcher based in Budapest

Chemical Engineer and one of the Authors of the Hungarian site [www.klimarealista.hu](http://www.klimarealista.hu)

Senior Professor of Ecology and Environment Protection at University of Pecs

MSc Chemical Engineering, University teacher General, Anorganic, Environmental and Analytic Chemistry

Professor Emeritus, College Professor Dennis Gabor College

Department of Economics and Engineering



## 1 SIGNATORY FROM ICELAND

### 1 Signatory

- Dr. Helgi Tomasson

PhD in Econometrics/statistics, Estimation and Computation in time-series models



## 5 SIGNATORIES FROM INDIA

### 5 Signatories

- Dr. M.M. Ali
- Dornadula Chandrasekharam
- Vijay Jayaraj
- Prem raj Pushpakaran
- Sanjeev Sabhlok

MSc in Meteorology and Oceanography with a PhD in Meteorology, Center for Ocean-Atmospheric Prediction Studies, Florida State University, USA

retired professor from Indian Institute of Technology Bombay, currently working in Izmir Institute of Technology as TUBITAK Professor working on geothermal energy systems

Research Associate at CO2 Coalition, Contributor to Cornwall Alliance

PhD in BioTechnology, Professor

Economist with focus on Climate and Energy Policy



## 2 SIGNATORIES FROM INDONESIA

### 2 Signatories

- Dr. Dr Paul D Giammalvo
- Purwono Wahyudi

PhD, CDT, CCE (#1240), MScPM, MRICS, Senior Technical Advisor, retired

Entrepreneur and informed climate realist



## 20 SIGNATORIES FROM IRELAND

### 1 WCD Ambassador

- Jim O'Brien

Founder of the Irish Climate Science Forum, Expert Reviewer of IPCC AR6

## Ireland continued

### 19 Signatories

- Tom Baldwin
- dr. Dr Timothy Dunne
- Gerald Fitzgibbon
- David Horgan
- Seamus Hughes
- Mark Gerard Keenan
- Ultan Murphy
- Donal O'Callaghan
- Patrick L. O'Brien
- Owen O'Brien
- J. Philip O'Kane
- Peter O'Neill
- Fintan Ryan
- Christian Schaffalitzky
- Dr. Norman Stewart
- Brian N. Sweeney
- Pat Swords
- Sean Tangney
- David Thompson

Electrical Engineer, Specialist in Power System Security  
PhD Psychology, Consultant Clinical Psychologist working in private practice in Dublin  
Physical Chemist specializing in Electrochemistry and Thermodynamics  
MA (Cambridge), MBA (Harvard), Resource Company Director  
BAgricSc, Specialist in Genetics  
Former Science Advisor, Department of Energy and Climate Change, U.K., Former Environmental Affairs Officer, United Nations Environment Division, Geneva, Switzerland  
BSc (Hons) Chemistry, Industry Science Professional  
electrical engineer, retired food industry research scientist  
MSc, MPhil, Senior International Environmental Consultant  
Business Founder and Entrepreneur, MBA, DBA  
Emeritus Professor, School of Engineering, University College Cork  
Retired, School of Engineering, University College Dublin, Expert Reviewer of IPCC AR6  
Retired Senior Airline Captain, Fellow Royal Aeronautical Society  
FIMMM, Founder Institute of Geologists of Ireland, EurGeol  
PhD, former astrophysicist and meteorologist  
Founding Chairman of Science Foundation Ireland  
BE, CEng, FIChemE, PPSE, CEnv, MIEA, Challenger of Over-Reach in Environmental Legislation  
Business Entrepreneur, Former Technical Director, CRH plc  
BAgricSc, MA, Animal Nutritionist



## 7 SIGNATORIES FROM ISRAEL

### 7 Signatories

- Dr. Gaby Avital
- Uriel Cohen
- Prof. Yonatan Dubi
- Yakov Itenberg
- Micha Klein
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BSc of Meteorology and Climatology, MSc of Physics Education, 25 years reserve meteorological officer of Israeli Defense Forces Home Front Command  
PhD, Emeritus Professor, The Department of Geography and Environmental Studies  
PhD of Solid State Physics, Research scholarship awarded by Ministry of National Infrastructures, Energy and Water Resources. Industrial multidisciplinary experimental researcher  
PhD in Physics at the Israel Institute of Technology, Professor of Physics at the Racah Institute at the The Hebrew University of Jerusalem



## 206 SIGNATORIES FROM ITALY

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Professor of Geological Risks at Sapienza University of Rome, former Scientific Editor in Chief of the International Journal IJEGE, Director Research Centre CERI

### 205 Signatories

- Pietro Agostini
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Nuclear Engineer, Consultant in Power Plants, Cogeneration end District Heating  
Lettore

## Italy continued

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- Donato Barone
- Sergio Bartalucci
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- Francesco Battaglia
- Marco Benini
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- Antonio Bianchini
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- Mariano Bizzarri
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- Enrico Bongiovanni
- Paolo Bonifazi
- Roberto Bonucchi
- Giampiero Borrielli
- Francesca Bozzano
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- Paolo Budetta
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- Monia Calista
- Massimo Canali
- Dr. Andrea Capodaglio
- Cristiano Carabella
- Peppe Caridi
- Franco Casali
- Andrea Casini
- Giuseppe Cautero
- Dr. Fausto Cavalli
- Giuliano Ceradelli
- Augusta Vittoria Cerutti
- Franco di Cesare
- Alessandro Chiaudani
- Luigi Chilin
- Claudio Ciani
- Geologo, Agip-Eni
- Fisico, “Chief Artificial Intelligence Officer” della Pubblica amministrazione
- Professore Emerito di Astronomia, Università di Padova
- Ingegnere
- Fisico, Presidente Associazione Scienziati e Tecnologi per la Ricerca Italiana
- Astrofisico, Deputato, Già dirigente di ricerca dell’INFN
- Professore di Chimica Fisica, Università di Modena, Movimento Galileo 2001
- Ingegnere idraulico, libero professionista
- Dottore di Ricerca in Antropologia Culturale
- Ingegnere, già Dirigente Industriale, ALDAI
- Professore Emerito (Fisica) Università di Padova
- Professore di Astronomia, Università di Padova
- Emeritus Professor of Numerical and Graphic Calculations, Director of the Faculty of Mathematical, Physical and Natural Sciences of the University of Ferrara
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- Dottore Commercialista
- Ex Direttore dell’Istituto di Fisica dello Spazio Interplanetario (IFSI) dell’Istituto Nazionale Astrofisica (INAF)
- Insegnante in Pensione
- Ingegnere
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- Professore di Sedimentologia, Università di Trieste, Responsabile Progetto Paleoclima-mare del PNRA, già Presidente Commissione Nazionale di Oceanografia
- Geologo
- Professore di Geomorfologia, Università di Chieti-Pescara
- Professore di Geologia Applicata, Università di Napoli
- Ingegnere, Ricercatore, Consulente
- Ricercatore di Geologia Applicata, Università di Chieti-Pescara
- Associate Professor of Agricultural Economics and Policy, Department of Agriculture and Food Sciences, University of Bologna
- PhD, Professor, Environmental Engineering, University of Pavia
- Geologo, Borsista presso l’Università di Chieti
- Professore di Fisica, Università di Bologna e Accademia delle Scienze di Bologna
- Lifetime career in electronic engineering and radiocommunications, patent holder in wideband radio signals transmission over fiber optics, Member of The Climate Reality Project
- MSc in Physics, head of the Instrumentation & Detectors Laboratory, Elettra Synchrotron radiation Source
- Agronomist, specialisation in meteorology
- Ingegnere e Climatologo, ALDAI
- Membro del Comitato Glaciologico Italiano
- Dirigente, Agip-Eni
- PhD, Agronomo, Università di Chieti-Pescara
- Dirigente in Pensione
- Relazioni Internazionali, Scienza Politica, Università di Roma La Sapienza

## Italy continued

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- Enrico Colombo  
Onorevole, Membro della Camera dei Deputati italiana dal 2018
- Vito Comencini  
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Liceo Scientifico, Collaboratore Attività Solare.it
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Professore di Geologia Applicata, Università di Padova
- Alessio del Gatto  
Fisico dell'ENEA, Climatologo per il Progetto Antartide, ora in pensione
- Rinaldo Genevois  
Perito Fisico
- Umberto Gentili  
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Professore di Fisica Medica, Università di Cagliari
- Alberto Guidorzi  
Physicist
- Roberto Habel
- Nicola Iacovone

## Italy continued

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- Alberto Lagi  
Ingegnere, Presidente di Società Ripristino Impianti Complessi Danneggiati
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- Roberto Madrigali  
Meteorologo
- Angelo Maggiora  
PhD, INFN Senior Researcher, more than 40 years Experience in Research at CERN, Saclay, Dubna and Frascati
- Franco Maloberti  
Emeritus Professor, expert on microelectronics and modelling
- Ettore Malpezzi  
Ingegnere
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Professor Emeritus of University of Florence, Former President of European Turbomachinery Society
- Alessandro Martelli  
Ingegnere, già Dirigente ENEA
- Paolo Martini  
consultant petroleum geologist with 30+ years of experience
- Salvatore Martino  
Professore di Geologia Applicata all'Ingegneria al Territorio ed ai Rischi, Università di Roma "Sapienza"
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- Adriano Mazzarella  
Professore di Meteorologia e Climatologia, Università di Napoli
- Marcello Mazzoleni  
Teacher and entrepreneur in the training sector, Fondatore del Website MeteoSincero
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- Maurizio Montuoro  
Medico
- Maria Luisa Moriconi  
CNR researcher at Institute of Atmospheric Physics (retired) and associate to INAF until 2020
- Renzo Mosetti  
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## Italy continued

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Ambasciatore del Parco Nazionale del Gran Sasso e dei Monti della Laga nel Mondo nel 2017
- Corrado Penna  
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- Enzo Pennetta  
Professore di Scienze Naturali e Divulgatore Scientifico
- Gianni Pettinari  
Impiegato Amministrativo, Fondatore del gruppo Facebook: "Falsi allarmismi sul riscaldamento globale"
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Pensionato
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Geologo, Dirigente Protezione Civile Regione Lombardia
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- Masayuki Hyodo  
Professor of Earth Science, Kobe University, Japan
- Yoshihiro Muronaka  
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- Mototaka Nakamura  
Atmospheric and Oceanic Scientist (ScD in Meteorology, MIT)

## Japan continued

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## 1 SIGNATORY FROM MALTA

### 1 Signatory

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### 5 Signatories

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- Armando Páez
- prof. dr. Rumen Tsonchev
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Master degree in Applied Economics, Industrial Engineer

Chemical Engineer

PhD, Urbanism, Expert in Sustainability and Energy Transitions

PhD in Physics, Professor at Faculty of Physics, University of Zacatecas

PhD, Space Engineer



## 1 SIGNATORY FROM NAMIBIA

### 1 Signatory

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Cardiologist, currently involved in Green Project in Kalahari Desert



## 159 SIGNATORIES FROM NETHERLANDS

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- Dr. Kees Lepair

Emeritus Professor of Geophysics, Delft University of Technology,

Member of the Royal Netherlands Academy of Arts and Sciences

Physicist, Former CEO Physics & Technology Research Organisations

### 157 Signatories

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- Maarten van Andel
- Tjeerd Andringa
- Jan Asselbergs
- Dries Ausems
- René Bakers
- Dr. Thomas W. Bakker
- Nanda Josina Sofia Bakker -Ait Arrami
- Robert Becht
- Frans van den Beemt

MSc, Structural Geology, worked 19 years with Billiton in Mining and Geology and the last 20 years with DGA van Akkerman Exploration BV Author of the 'Groene Illusie'

MSc in Physics, PhD in Signal Processing, former Associate Professor of Sensory Cognition, Epistemologist

Mechanical Engineer who started his career with IHC. Since 1990 he is active in revitalizing medium sized companies

MSc, Earth Sciences, Lifetime Experience as Geologist in the Geo-Energy Industry

Former Lawyer and Attorney Liability and Insurance

Lifetime Experience in the Geo-energy Industry, Founder and former (or retired) CEO of Well Engineering Partners BV

MSc, MBA

Lifetime R&D Experience in Water Management with emphasis on water management in East Africa

Nuclear Physicist, Former Program Director Technology Foundation STW

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- Jan van Gils Teacher in Physics
- Ir. Henk Goemans MSc, Geosciences, specialized in Reservoir Engineering
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- Leo Halvers  
Former Director Billiton Research Arnhem and Former Director Technology Foundation STW
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University Degree in Phonetic Sciences, expert in biomechanics of speech, supporter of plasma cosmology, former wireless communication officer
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BSc, Civil Engineering, Lifetime Experience in Offshore Industry, Director Venty BV
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MSc, Geosciences, specialized in Geology, past Technical Director of the Dutch State Oil and Gas Company EBN
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Msc in Civil Engineering TU Delft, President of Allseas, worldwide active in offshore pipelaying and platform lifting
- J.R. Hetzler†  
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MSc, Geoscience, Lifetime Experience in the International Geo-Energy Industry
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Earth Scientist, Exploration Projects Oil & Gas ME & FE
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- Don Schäfer Former Director Shell Exploration & Production and New Business, Shell
- Juleon Schins PhD in Molecular Physics, specialist in near infrared spectroscopy
- Dr. Rob Schoevaart Biocatalist, Co-founder and Managing Director of ChiralVision, being specialised in making chemical processes greener
- Frans Schrijver Strategy Consultant and Climate Publicist
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Geo Scientist and International Health Care Specialist
- Jan Winkel  
MSc, Chemical Engineering, specialization in Natural Gas Projects, Lifetime Experience in the Geo-Energy Industry
- Wim Witteman  
Professor of Applied Physics and CO2 lasers, University of Twente
- Dr. Hans Wolkers  
PhD in Animal Physiology and Environment, Over 20 years of research experience, incl. Arctic ecotoxicology, Science journalist and university lecturer in ‘Writing about Science’
- Theo Wolters  
Chairman Environment, Science & Policy Foundation, Co-founder ‘Groene Rekenkamer’ and ‘Climategate.nl’
- Govert Zijderveld  
MSc Mining Engineering, Consultant for all Drilling, Mining and Naval Engineering activities
- Dr. E.J. (Ed) Zuiderwijk  
Retired Astrophysicist and Data Manager
- Diederik Zwager  
MSc Petroleum Engineering, CEO Air Drilling Associates



## 27 SIGNATORIES FROM NEW ZEALAND

### 1 WCD Ambassador

- Barry Edward Brill OBE, Previously Minister of Science and Technology

### 26 Signatories

- Deborah Alexander Agricultural Scientist
- Jock Allison Retired Agricultural Scientist, Ministry of Agriculture
- Mario Barbafiglia MSc Palaeoclimatology, Teacher
- Paul A. Catchpole Qualified Land Surveyor & Fellow of New Zealand Institute of Surveyors, Retired Ex Commissioner of the New Zealand Environment Court
- Roger High Dewhurst Retired, Geologist/Hydrogeologist
- Geoffrey G. Duffy Professor Emeritus, University of Auckland
- Terry Dunleavy† MBE, Co-Founder (2006) and Honorary Secretary New Zealand Climate Science Coalition; Former WCD Ambassador
- Doug Edmeades Managing Director agKnowledge Ltd.
- Joe Fone CAD Engineer, Enatel Ltd.
- Professor Michael J Kelly MA, PhD, SCD, MAE, Emeritus Prince Philip Professor of Technology at the University of Cambridge
- Gary Kerkin Retired Chemical Engineer, Upper Hutt. Executive Member New Zealand Climate Science Coalition
- Roman Leslie Research specialist in geochemistry of arc-magmatism, magma-wallrock interactions, mineralogy, melt inclusions, SW Pacific tectonics and geodynamics.
- Brian Leyland Power Systems Engineer and Experienced Renewable Energy Specialist
- Gerrit J. van der Lingen Geologist and Paleoclimatologist, New Zealand, Author of the Book The Fable of Stable Climate
- Nima Maleki MD specialist in family health, Bachelor in science
- Dr. John Maunder Climate Scientist, President of the WMO Commission for Climatology 1989-1996
- Dr Richard Reaney Climate Researcher, Post Graduate Qualification in Antarctic Studies, University of Canterbury New Zealand
- Darag S. Rennie MBChB, Lifetime explorer of truth
- John Scarry ME (Civil), Structural Engineer, Member of the New Zealand Climate Science Coalition
- John Sexton Member of the New Zealand Climate Coalition
- David Shelley Emeritus Associate Professor Geology and latterly Dean of Postgraduate Studies, University of Canterbury, Christchurch
- David Steward Electronic Engineer, Supporter of truth seeking in climate change
- Philip Strong Science Research Leader & Member of the New Zealand Climate Coalition
- Hugh Thorpe PhD, Retired Civil Engineer-Scientist.
- Richard Treadgold Executive Member NZ Climate Scienc Coalition, Convenor Climate Conversation Group
- Ian Wright Professional Geologist



## 32 SIGNATORIES FROM NORWAY

### 2 WCD Ambassadors

- Ivar Giaever Nobel Laureate Professor, Nobel Prize Winner in Physics, Emeritus Professor of the Rensselaer Polytechnic Institute, Chief Technology Officer of Applied Biophysics Inc., Fellow of the American Physical Society
- Jan-Erik Solheim Professor Emeritus Astrophysics, University of Tromsø – The Arctic University of Norway

### 30 Signatories

- Gunnar Abrahamsen Professor Emeritus Soil Science, University of Life Sciences

## Norway continued

- Knut Åm  
Retired Geoscientist, adjunct Professor of Geophysics at the University of Bergen, Norway, Honorary member of The Norwegian Academy of Technological Sciences
- Egil Bergsager  
MSc of UCLA and University of Oslo, Petroleum Geologist, Director Norwegian Petroleum Directorate, President Rogaland Science Park. Board member of advanced technology companies
- Stein Sorlie Bergsmark  
Physicist, Former Head of Renewable Energy Studies Programmes, University of Agder  
multidiscipline Engineering
- Einar R. Bordewich  
Associate Professor in Mathematics, University of Stavanger
- Dr. Hans Borge  
Professor Emeritus in Fishbiology and Nature Conservation, University of Life Sciences
- Reidar Borgstrøm  
Retired Senior Scientist in Physical Chemistry, Crystallography, Chemometrics and Occupational Hygiene
- Dr. Erik Bye  
Physical Chemist. Former Research Director and Professor in Petrochemistry at the Centre for Industrial Research and University of Oslo
- Ole Henrik Ellestad  
PhD, Biologist, Associate Professor NOFIMA and NOAA (USA)
- Jon Gulbrandsen  
Msc in Cybernetics, Lifelong Experience in Design and Engineering
- Arve Gleissner Gustavsen  
Professor Emeritus, Norwegian School of Economics
- Røgnvaldur Hannesson  
Adjunct Associate Professor, Department of Engineering Cybernetics, Norwegian University of Science and Technology
- Geir Hasnes  
Geophysical and Geological Advisor, Former Lecturer at University of Tromsø
- Martin Torvald Hovland  
Professor Emeritus in Physical Geography, University of Oslo
- Ole Humlum  
Biologist, Former Employee of the Norwegian Research Council and the Centre for the Development and Environment at the University of Oslo. Passed away
- Morten Jødal†  
Emeritus Professor, Chemistry, Bergen University
- Dr. Ing. Hans Konrad Johnsen  
Professor Emeritus Biology, Norwegian University of Science and Technology
- Olav Martin Kvalheim  
MS Applied Physics and electronics, PhD Chemical Physics, Prof Applied Physics (Optics) and Biophysics (spectroscopy)
- Arnfinn Langeland  
Professor of Chemistry, University of Bergen
- Mikael Lindgren  
Landscape Architect, Researcher for 11 years at the Norwegian Institute for Urban and Regional Research
- Willy Nerdal  
Dr. Eng. and Professor of Technology at UiT The Arctic University of Norway
- Johannes Oraug  
Emeritus Professor in Geology, University of Oslo, Former Director of Natural History Museum Oslo, Professor at Norwegian University of Science and Technology
- Egil Pedersen  
Master of Chemical Engineering, Norsk Hydro
- Elen Roaldset  
Meteorologist with experience in operational forecasting (1997-2007) from the Norwegian Meteorological Institute.
- Ulf Torgny Rock  
Geological Researcher, Trondheim
- Gjertrud Røyland  
Associate Professor Emeritus of Geochemistry, University of Oslo
- Håkon Gunnar Rueslåtten  
PhD, Professor in the Dept of Chemistry, University of Bergen
- Tom V. Segalstad  
Professor Emeritus Eco-Toxicology, University of Oslo
- Einar Sletten
- Jørgen Stenersen



## 1 SIGNATORY FROM PARAGUAY

### 1 Signatory

- Albrecht Glatzle  
Retired Director Research of INTTAS (Iniciativa para la Investigación y Transferencia de Tecnología Agraria Sostenible)



## 2 SIGNATORIES FROM PHILIPPINES

### 2 Signatories

- Melanchthon Bernil  
Professional Chemical Engineer



## Philippines continued

- Herman Bognot

MA in Philosophy, Assistant Professor, Department of European Languages, University of the Philippines Diliman



## 5 SIGNATORIES FROM POLAND

### 5 Signatories

- Marek Boinski
- Zbigniew Gidzinski
  
- Jaroslaw Grzesik
  
- Dominik Kolorz
- Karol Pietrak

Chairman of the National Section of Energy Workers' Union NSZZ  
Advisor to the Chairman of the Silesian Region of the Solidarity Union for climate policy, former Secretary of the National Energy Security Team of the Chancellery of the President

Chairman of the National Secretariat of Mine and Energy Workers' Union NSZZ

Chairman of the Slasko-Dabrowski Region of NSZZ

Assistant Professor at Warsaw University of Technology, PhD in Power Engineering



## 11 SIGNATORIES FROM PORTUGAL

### 1 WCD Ambassador

- Dr. Peter Stallinga

Professor Associado com Agregação, Universidade do Algarve, Portugal, Faculty of Sciences and Technology, Department of Electronic Engineering and Informatics

### 10 Signatories

- Demétrio Carlos Alves
  
- José Araújo
- Rui Cruz
  
- Pieter IJzerman
- Prof. Dr. Igor Khmelinskii
  
- Joao Manuel Silva Martins
- Pamela Matlack-Klein
- José Pinto de Sá
  
- Henrique Sousa
  
- João José Rodrigues Tilly

Chemical Engineer, specialized in Processes and Systems, Postgraduate in Legal Issues of Urban Planning, University of Lisbon

Environmental Engineer, Airline Pilot.

Pharmaceutical Development Scientist, PhD In Chemical and Biological Engineering (Material Science Focus for Solar Energy Applications)

entrepreneur in modern energy solutions and electric mobility

Aggregate Professor of Physical Chemistry, University of Algarve, discoverer of long-range energy transfer in biological systems

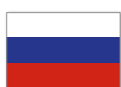
retired agrarian researcher

Member of Portuguese Sea Level Project, USA

PhD in Electrical and Computers Engineering, Professor of Power Systems (Electrical and Computers Engineering), Instituto Superior Técnico, Lisbon

Retired electrical engineer and teacher, wind energy expert and energy consultant

Mechanical Engineer and Maths teacher



## 8 SIGNATORIES FROM RUSSIA

### 8 Signatories

- Habibullo Abdussamatov
  
- Prof. Vladimir N. Bashkin
  
- Pavel Bizyukov
  
- Gleb I. Evgenev
- Vladimir G. Kossobokov
- Eugene Nagibin
  
- Henni Ouerdane
  
- Dr. Michael Petelin

Head of the Space Research Sector of the Sun, Pulkova Observatory RAS and Head of the Lunar Observatory Project on Monitoring of the Climate

Professor in Biogeochemistry, Principal Researcher of the Institute of Physicochemical and Biological problems of Soil Science of RAS, Moscow

PhD in Metallurgical Engineering, faculty member at Moscow State Institute of Steel and Alloys

Professor of Environment, Moscow State Technical University (MADI)

Chief Scientist, Professor Expert, Russian Academy of Sciences

MA in Economics, CIR, Territorial Development and Management Consultant

PhD in Physics, Associate Professor with extensive experience in the physics of energy conversion and the related technologies

Professor of the University of Nizhny Novgorod, head researcher of the Institute of Applied Physics, Nizhny Novgorod



## 1 SIGNATORY FROM SAUDI ARABIA

### 1 Signatory

- Christopher M. Fellows

Phd, physical chemist



## 1 SIGNATORY FROM SERBIA

### 1 Signatory

- Ivan Stefanovic

Curator of collection, Faculty of Mining and Geology, University of Belgrade



## 2 SIGNATORIES FROM SINGAPORE

### 2 Signatories

- Andrew Frazer
- Dr. Lars Schernikau

offshore drilling, earth sciences and renewables  
Energy Economist, Entrepreneur & Author



## 1 SIGNATORY FROM SLOVAKIA

### 1 Signatory

- Boris Divinsky

MSc, freelance researcher in geography, demography, and migration issues



## 4 SIGNATORIES FROM SLOVENIA

### 4 Signatories

- Borut Bohanec
- Tadej Ian
- Ján Lakota
- Rafael Mihalič

Emeritus Professor of Biotechnology, active to explain major missinterpretations of scientific discoveries  
MA, owner of a green-roof business, political publicist/columnist, and expert in international relations  
MD, PhD molecular biology  
Professor of Electrical Engineering, University of Ljubljana



## 13 SIGNATORIES FROM SOUTH AFRICA

### 13 Signatories

- Dr. Henrique J.S. de Barros Pinheiro
- Rosemary Falcon
- Dennis Shaun Garisch
- Dr. Hans Hofmann-Reinecke
- Rob Jeffrey
- Kelvin Kemm
- Dr. John Ledger
- Prof. Richard Meissner
- Don Mingay
- Professor Martin R. Sharpe
- Grant Son
- Jacques Theron
- Geert F de Vries

Geologist, Invited Associate Professor, Universidade Fernando Pessoa, Porto, Portugal  
Emeritus Professor Clean Coal Technology Research Group at the University of Witwatersrand, Director Fossil Fuel Foundation  
BSc (Civil) Eng, Professional Engineer registered with Engineering Council of South Africa (ECSA), over 30 years of practice, inclusive of many storm water management designs  
nuclear physicist, author of several books "Grün und Dumm", articles and videos on global warming and alternative energies for the general public  
Economic Risk Consultant: Senior Economist and Managing Consultant, leading expert in energy and electricity  
PhD, Nuclear Physicist, CEO Nuclear Africa, Pretoria  
Visiting Associate Professor at the University of the Witwatersrand, Energy and Environmental Consultant, Consulting Editor, Freelance Writer, Editor and Lecturer  
Associate Professor, Department of Political Sciences, University of South Africa  
Retired Professor of Nuclear Physics  
PhD from University of Exeter, retired Geologist, Geochemist, Analyst and Field Mapper at University of Pretoria, Founder of geological consulting and exploration companies  
PhD in Natural Science  
Retired Veterinarian  
Retired physicist / nuclear engineer



## 2 SIGNATORIES FROM SOUTH KOREA

### 1 WCD Ambassador

- Dr. Seok Soon Park

Professor of Environmental Science and Engineering, Ewha Womans University, Seoul, Founder of the Climate Truth Forum

### 1 Signatory

- Zonghie Han

economist at Daegu University



## 22 SIGNATORIES FROM SPAIN

### 1 WCD Ambassador

- Blanca Parga Landa

PhD, Modelling Expert, specialist in Environmental Law

### 21 Signatories

- Bernardo Armero
- Raquel Barquero
- Dr. Saúl Blanco
- Ferran Brunet
- Antonio de la Hoz
- Aitor Ercilla
- Maria Teresa Estevan Bolea
- José-Ramón Ferrandis
- Juan Miguel Gómez Menor Robles
- Antonio J. Huertas
- Isabel López García
- Alexander Keith Martin
- Jose Manuel Miranda Lopez
- Antonio Jesús Muñoz Cobo
- Luis Pomar
- Alejandro Rodríguez-Gómez
- Manuel Jesús Romero Rincón
- Manuel M. Sánchez del Pino
- Javier del Valle Melendo
- Javier Vinós
- Wynn Williamson

Engineer and Project Leader within Clean Aviation

PhD, lifetime career as nuclear engineer and medical physicist in Valladolid University Clinical Hospital

Associate Professor of Ecology at the University of León

Professor on the European Economy, Unniversitat Autònoma de Barcelona

BSc in in Business and International Economics, activist and expert in economics and political implications of causes and consequences of climate change

climate historian and computer scientist. Researches the importance of climate change in social processes

Engineering award 2019 Royal Spanish Academy of Engineering, World Award 2018 In Engineering WFEO, National Prize in Industrial Engineering 2019

Analyst, Writer, Communicator

PhD in Biology (Botany), High School Head of Department.

Engineer with 35 years experience in Energy Politics and Operation, and Environmental Care

PhD on Chemical Engineering, Assistant Professor of Physical Chemistry and applied Thermodynamics , University of Córdoba

PhD Geology and Geophysics, Consultant geologist

PhD, Professor at the University Santiago de Compostela , Department of Analytical Chemistry, Nutrition and Bromatology

PhD in Environmental Sciences from the University of Jaén, member of the research group Environmental Technologies of the Dept of Chemical, Environmental and Materials Engineering

Emeritus Professor of the University of the Balearic Islands, Sedimentologist specialized in the study of Carbonate Rocks which the Impact of CO2 and Paleoclimate

Associate Professor, Universitat Politècnica de Catalunya, Barcelona, Spain

PhD Civil Engineering, Professor at Miguel Hernández University of Elche, Spain CEO at ETRES Consultores

PhD, Department of Biochemistry and Molecular Biology, University of Valencia

Doctor in Climatology, Professor a Centro Universitario de la Defensa

PhD, Scientist and independent climate researcher

co-founder and managing partner of real estate developer BWRE



## 48 SIGNATORIES FROM SWEDEN

### 1 WCD Ambassador

- Ingemar Nordin

Emeritus Professor Philosophy of Science, Linköping University

#### 47 Signatories

- Michael Andersson  
Bsc in biology, medical doctor, retired Chief Medical Officer at a battalion of the Swedish Airforce
- Leif Åsbrink  
PhD, Technology at KTH in Molecular Physics, Stockholm
- Sture Åström  
MSc, Technology, Professional in Climate Issues, Secretary of the Swedish Network Klimatsans
- Erik Axelkrans  
MSc in physics and physical oceanography, University of Gothenburg
- Rolf Bergman  
Emeritus Professor of Physical Chemistry, Uppsala University
- Dr. Lars Bern  
Member of The Royal Swedish Academy of Sciences, Retired CEO in Incentive AB
- Joakim Blomqvist  
Sr. Design Manager for design and energy solutions within a larger construction company
- Magnus Cederlöf  
Software Specialist, Stockholm
- Tore Dalvåg  
Msc, Physics, Research Engineer in Hydrodynamics and Thermodynamics, Senior Advisor in Environmental Standards, Author of 'CO2 a source of life or a threat'
- Hans Eklund  
PhD, Technology, Acting Professor at the Department of Laser-and Electro-optics, Chalmers University of Technology, Gothenburg
- Per-Olof Eriksson  
Physicist, Former CEO of Sandvik Group
- Dr. Anders Flodin  
PhD, Mechanical Engineering, NC, USA
- Mats Freding  
MSc Mechatronics Test team leader, environmental and software test.
- David D. Gee  
Professor Emeritus Orogen Dynamics, Uppsala University
- Anders Grufman  
MSE, MA, Economics, Industrial and Environmental Economics
- Jan Hagberg  
PhD, Statistics, Stockholm
- Björn Hammarskjöld  
MD, PhD in Biochemistry, Assistant Professor in Pediatrics
- Lars Hässler  
PhD, Rock and Soil Mechanics, Bsc Chemistry and Biology, Msc Civil Engineering
- Eilif Hensvold  
PhD, Mathematics, Associate Professor of Mathematics (Retired), Simulation of Large-scale Industrial Systems, Uppsala University, Luleå Technical University
- Gunnar Holmgren  
PhD, Space Physics, Retired Head of Dept. of Engineering Sciences, Uppsala University
- Mats Janson  
MSc, Electrical Engineering, KTH Royal Institute of Technology, Stockholm
- Hans Jelbring  
Climate Researcher
- Göran Johansson  
specialist in Energy Systems
- Claes Johnson  
Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
- Gunnar Juliusson  
Professor of Hematology, Lund University, Senior Consultant, Skåne, University Hospital, Lund
- Sten Kaijser  
Emeritus Professor of Mathematics, Uppsala University
- Johnny Kronvall Mah  
Emeritus Professor in Building Physics, Malmö University and Lund University
- Lars E. Linder  
Associate Professor of Medicine, Gothenburg
- Jan Lindström  
Senior Medical Physicist, PhD, Former Head of Department of Medical Physics Karolinska, Worked and published in Environmental Science (Harwell UK). Long climate interest.
- Rune Lundgren  
MSc, Helsinki University of Technology, Energy System Expert
- Toomas Mathiesen  
MD, Retired
- Johan Montelius  
Associate Professor of Computer Science at the Royal Institute of Technology, Stockholm
- Jacob Nordangård  
PhD, Technology and Social Change at the University of Linköping, Researcher on Climate Change History
- Gabriel Oxenstierna  
PhD, retired, currently author for Klimatupplysningen.se
- Gösta Pettersson  
Emeritus Professor in Biochemistry, University of Lund
- Marian Radetzki  
Emeritus Professor of Economics, Luleå University of Technology
- Mats Rosengren  
Mathematics, Space Flight Trajectory Specialist
- Torsten Sandström  
Professor Emeritus, Department of Law, University of Lund
- Rabbe Sjöberg  
PhD, Geology, Member of Paleogeophysics & Geodynamics Institute

## Sweden continued

- Peter Stilbs  
Emeritus Professor of Physical Chemistry, Royal Institute of Technology (KTH), Stockholm
- Prof. Jan-Olov Strömberg  
Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
- Lars H. Thylen  
Professor Emeritus in Photonics, Dept. of Theoretical Chemistry and Biology, Royal Institute of Technology, Stockholm, specializing in Low Power Nanophotonics Technology
- Tege Tornvall  
Member of Klimatrealisterna and of its election committee, active in network Klimatsans
- Gösta Walin  
Professor Emeritus in Oceanography at University of Gothenburg
- Elsa Widding  
Consultant, Author on Climate Change, Stockholm
- Lech Wosinski  
Researcher Emeritus, Associate Professor, Royal Institute of Technology, Stockholm
- Orjan Wrangé  
PhD, Emeritus Professor in molecular Genetics Karolinska Institutet, Stockholm, Sweden



## 23 SIGNATORIES FROM SWITZERLAND

### 23 Signatories

- Dr. Denis Bednyagin  
researcher specialised in integrated (Energy-Economy-Environment) assessment modelling
- Thomas Binder  
Cardiologist and Internist
- Majed Chergui  
Emeritus Professor of Chemistry and Physics
- Helmut Elben  
PhD in Physics, working as Strategy, Technology and IT Consultant
- Dr. Michael Esfeld  
full professor of philosophy of science, University of Lausanne
- Ferruccio Ferroni  
Dipl.Ing. ETH, Energy Consultant
- René Funk  
Software Engineer, specialized in Analysing Satellite, Sea and Land Temperature
- Werner Furrer  
MSc, Mathematics and Physics, President of the Climate Realistic Group in Switzerland
- Christian Jacot  
Pharmacist
- Fabrizio Jauch  
PhD Earth Sciences, Expert for the Swiss Accreditation Service for geotechnical laboratory analysis
- Markus D. Knecht  
chemist, 15 years reserach on climate change
- Dr. Johannis Nöggerath  
40 years experience in Nuclear Power Engineering, Passionate amateur researcher in realistic climate science for more than 10 years
- Joseph Ongena  
Member of the Permanent Monitoring Panel for World Energy, World Federation of Scientists, Geneva
- Dr. Jean-Claude Pont  
Dr. Math., Emeritus Professor of The History of Philosophy of Sciences, University of Genève
- Dr. Franz-Karl Reinhart  
Emeritus Professor of Physics, Lausanne
- Claude Roessiger  
Entrepreneur and Author of several Books on Organizational Management and Public Policy, Organiser and Chairman of the Portsmouth Conference 2018 on Climate Policies
- Beat Dominic Roth  
Owner Filmcompany
- Heinz Schmid  
Dipl. Ing. Agr ETH, more than 10 years involvement in climate science and climate communication
- Dr. Ralf Lorenz Schmitt  
PhD in Chemistry, Product Manager
- Thomas Stadler  
MSc in Physics, ETH Zürich, Geophysics, Specialty in Geothermics
- Ivan Surace  
PhD in Geology, Geol Surace I.R.
- Prof. Dr. Eric P. Verrecchia  
Professor at the University of Lausanne, Chair of Biogeochemistry at the Institute of Earth Surface Dynamics, expert in terrestrial carbon cycle of the tropical and temperate zones
- Dr. Eric Vieira  
(retired), Ph.D (organic chemistry), 27 years at Roche Pharmaceuticals (Principal Scientist)



## 3 SIGNATORIES FROM TURKEY

### 3 Signatories

- Prof. Kerem Cankocak  
Professor in Particle Physics at Istanbul Technical University, author of more than 200 books in different scientific areas

## Turkey continued

- Ufuk Coscun
- Andrew Cullen

columnist at Milat Newspaper  
Ph.D Geography



## 2 SIGNATORIES FROM UKRAINE

### 2 Signatories

- Vsevolod Lozitsky
- Irina Vasiljeva

DrSci, Astronomical Observatory of Taras Shevchenko National University of Kyiv, expert in solar physics, solar activity and magnetic field, and solar-terrestrial connections

CSc, Research Fellow at the Main Astronomical Observatory of National Academy of Science of Ukraine, research interests include solar physics



## 165 SIGNATORIES FROM UNITED KINGDOM

### 1 WCD Ambassador

- Christopher The Viscount Monckton of Brenchley

Peer of the Realm and Author of several reviewed papers on Climate

### 164 Signatories

- Tom Agbabi
- Colin Andress
- Neils C. Arveschoug
- Nigel Banks
- Andrew P. Barker
- John Anthony Barney
- Nik Bartley
- Nigel Beckwith
- Alan Richard Belk
- Simon Bevan
- Roshan Bhunnoo
- Paul Binns
- David Blake
- David Bodecott
- Dr. Richard Booth
- D.Q. Bowen
- Dr Phillip A. W. Bratby

PhD, Professional engineer in the energy industry

BSc Physics, MSc Astrophysics, MA (Oxon) Classics & Philosophy, Barrister, Fellow of the Royal Astronomical Society

Geophysicist, Private start-up Oil E&P Company

PhD Geology, Petroleum Geologist

Biological Chemist

Retired Scientist and Technologist

Mechanical Engineer

professional graduate Podiatrist, Post Grad. in Sports Science, Post Grad. in Science Education

retired Mechanical Engineer with a 40+ year international career in energy, industrial gas and chemical industries

BSc Oceanography and Geology, WMO Qualified Meteorological Forecaster

Mathematics and Statistics, former Climate Data Analyst at the Meteorological Office

Former Research Geoscientist and Climate Researcher

BSc Applied Chemistry, Chair of East College Group & CME Futures Trader

Geologist/Geophysicist, Fellow of the Geological Society of London

retired Special Merit mathematician in the UK Civil Service

Emeritus Professor of Earth and Ocean Sciences, Fellow International Union for Quaternary Research, Cardiff University

Physicist, Member of the Institute of Nuclear Engineers, retired energy consultant

Expert in Large Scale Thermal Fluid Dynamic Models

BSc, MSc, C. Eng (retired) Hydro Climate Specialist

BSc (Hons) holder of 10 patents, previously Deputy Director Research & Statistics Inner London Education Authority

BSc in Physics, MBA which included modules on statistical analysis

Solicitor, co founder and fund raiser for wave energy research project as Director of Staithe Energy Products (1988 1995)

BSc Hons. Physics and Geology, Lifetime Physics teacher and amateur astronomer

Electrical Engineer, Retired, publishing papers on Energy and Climate Change

BSc Physical Oceanography with Physics, entrepreneur / engineer in Marine LNG Safety and Weather forecast dependent Optimising Voyage Control Systems

- Arthur Champion
- retired European Environmental Coordinator and CofE Diocesan Environmental Adviser

## United Kingdom continued

- John Church  
Earth Science Professional, Retired from Energy Sector
- David Coe  
MA(Oxon) in Physics, lifetime working on gaseous absorption spectroscopy, Lead author of “The Impact of CO<sub>2</sub>, H<sub>2</sub>O and Other Greenhouse Gases on Equilibrium Earth Temperatures”
- Professor John C.W. Cope  
Professor of Geology, National Museum Wales, Cardiff
- Dr. Douglas Cormack  
BSc in Chemistry, Maths, Physics and Microbiology, PhD in Physical Chemistry, Chief at Scientific Civil Service, Founder of the website “The campaign against belief consensus”
- Richard Courtney  
Retired Material Scientist, Expert Peer Reviewer of the IPCC
- Chas Cowie  
GDE Mining Engineering, Wits University, Retired IT Professional worked primarily in Mining and Logistics Industries
- Dr. David Critchley  
Senior Clinical Pharmacologist, mathematical modelling of complex systems
- Michael Cross  
Chemical Engineer
- Peter Cunningham  
Expert in Mathematical Modelling of Complex Physical Phenoma
- Dr Philip George Davies  
Principal Lecturer in the Department of Computing and Informatics at Bournemouth University
- Robert Davies  
BSc Airline pilot
- Isabel Davies  
Geophysicist and Entrepreneur
- Jeremy Dawson  
retired Chartered Engineer with a career in the oil and gas industries
- Dr. Keith P. Dawson  
Environmental and Agricultural Researcher
- John Dewey  
Emeritus Professor of Geology at the University College Oxford, Distinguished Emeritus Professor University of California,
- Howard Dewhirst  
FGS, Geologist, Initiator Open Letter to the Geological Society of London
- James Dillon  
BSc Physics, DPhil Nuclear Physics, Former research physicist
- Gregor Dixon  
FGS, Geologist, Former Member Geological Society of London
- Peter Dorey  
BSc Physics, Senior Project Manager, (and unpaid educator & Climate Scientist)
- Timothy (Tim) C. Duckworth  
Retired Mechanical Engineer in the Oil & Gas industry, Senior Auditor in Management/Facility/HSE
- Dr. Michael Earle  
international earth scientist, energy professional, author
- Dr. John S. Easterby  
Retired Senior Lecturer in Biochemistry University of Liverpool, Research area: Protein chemistry, Enzymology, Metabolic Modelling
- Roderick Paul Eaton  
MBA FIET MCMI, Retired Consultant Energy Industry Analyst/ Management Consultant
- Debra Eddy  
Entrepreneur and Guest Lecturer in Business Management
- Dr. Andrew Edmonds  
data scientist with a strong background in AI, past CTO of a publicly traded US tech company, currently CEO of a private US company, ThinkBase LLC
- Peter Etherington-Smith  
Geologist/Oceanographer; Coral Reef Researcher, MSc Petroleum Engineering (Imperial), life-time international experience in developing countries, retired from BG
- Kevin Foo  
MSc, DIC, Dip. Met, AusIMM, IOM3, SME, Ch.Eng., President Tianshan Jade (UK) Ltd
- Ashley Francis  
BSc, FRAS, Geophysicist with expertise in forward and inverse modelling, stochastic modelling and resolution/scale change impacts
- Sean Galbally  
Project Manager Water and Wastewater Systems
- Kalghatgi Gauram  
PhD Aeronautical Engineering, Consultant Professor, 50 Years’ experience in R&D in combustion, fuels and energy
- Gil Gilchrist  
Geophysicist
- Alan Gill  
Retired Engineer in South Wales
- Peter Gill  
Physicist, Ex Chair Institute of Physics Energy Group, Ex London Branch Chair & Fellow of EI
- Paul R. Goddard  
retired Professor of Radiology, University of the West of England
- John D. Goss-Custard  
PhD Ecology, University of Aberdeen, Visiting Professor in the Department of Life and Environmental Sciences, Bournemouth University
- Alastair Gray  
retired geologist, 50 years in oil exploration, production and asset evaluation

## United Kingdom continued

- Delphine Gray-Fisk Former airline pilot, and parliamentary candidate for both the UK Independence Party and Brexit Party
- Mick Greenway Research and Development of Flight Control Systems for Modern Civil and Military Aircraft, Retired Head of Research and Development within a Multi-Million-Dollar Company
- David P. Gregg retired Unilever Research group leader and scientist, Author of studies of historical climate time series based on modern spectral analysis techniques
- Brian Gregory MA. in Natural Sciences, MSc. in Business Studies, Lifetime Career in the UK Chemical Industry, currently Policy Director of the Alliance of British Drivers
- Jimmy Haigh Independent Geological Consultant
- Stephen Hardcastle Retired Electronics Engineer, 10 years experience in the design of NDIR gas detectors, for gases including CFC's CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O
- David Hardy Business Owner, Director and Experienced Chemical Engineer. 20+ years in Energy technology development including removal of pollution from conventional fossil fuel power sources
- Tim Harper Geomechanics Consultant and Researcher, previous Recipient of the Royal Academy of Engineering MacRobert Award for Engineering Innovation
- Ken Harrison Retired Chartered Physicist
- John Harrison Former Chartered Physicist and Chartered Engineer
- Peter Harvey Project Manager – Renewable offshore wind industry
- Raymond Hayes BA (Lond) M.Litt (Oxon) FRGS Solicitor Hong Kong and England and Wales
- Alex Henney Formerly London Electricity Board, Consultant on Electricity Matters
- Roger Higgs DPhil (Oxon), Independent Geological Consultant, Geoclastica Ltd.
- Tatiane Melchior Stefanello Hodson Oceanographer, author, undertaking a Master's degree in International Public Policy at Queen Mary University of London
- Dr. Sinclair Holland MBChB(Edin) Medical Doctor
- Paul Homewood Climate & Energy Policy Analyst
- Keith H. James PhD, Consultant Geologist
- James Barry Jamieson Retired Aeronautical Engineer, Co-author IPCC report 1999
- Anthony Janio PhD in Physics, Independent Elected Councillor in Brighton and Hove
- David A.L. Jenkins Geologist, Director Hurricane Energy plc
- Dr. Chris Jesshope Emeritus Professor University of Amsterdam, Director Techne Consulting Ltd.
- David Jessop C.Eng., M.I.C.E., lifetime career in the water industry
- Stephen Latimer Jones BA Chemistry, IT professional
- Robert Jones BSc and PhD Mining Engineering, Director at Warwick Energy
- Zana Juppenlatz Consultant in environment, environmental law and sustainability, including renewable energy projects
- Gavin Kenny Emeritus Professor of Anaesthesia, Intensive Care and Pain Medicine University of Glasgow
- John L.D. Kerr B.A. (Hons) in Environmental Science & Technology; B.Sc. (Hons) in Chemistry, active as Environmental Consultant
- Stephen King Experienced technically trained chemical engineer with experience in environmental consideration of major petrochemical projects, including technical and economic aspects
- David A. Kirkwood MSc MIET, Professional engineer working in IT, Deputy Chairman of Reform UK Scotland
- Geoffrey W. Lane retired Marine Engineer and Technical Author
- Eur.Ing Colin Leci CO<sub>2</sub> and Environmental Specialist
- Roger Longstaff Experimental Space Physicist and Company Director
- Anthony Lowe BSc Hons Polymer Chemistry and Physics, Consultant Polymer Solutions
- Peter Justin Lunt MSc Geology London, adjunct lecturer in geology (stratigraphy) at Universiti Teknologi Petronas and Shandong University of Science and Technology (SDUST) Qiangdao
- Tom Mackay BSc, Geologist, Fellow of the Geological Society (FGS) of London



## United Kingdom continued

- Chris MacKenzie  
MSc, Director and Geological & Environmental Consultant at Peak Minerals Ltd
- Ian Magness  
Geologist turned treasurer, Since retirement actively involved in the analysis of all aspects of climate change from a sceptical viewpoint
- Stephen Martin  
retired exploration geophysicist
- Chris Matchette-Downes  
Geologist and Geochemist, particularly involved in studies about past climates including glaciation
- William James McAuley  
M.Sc. from Imperial College and an M.B.A. from Lehigh University, retired Chemical Engineer with a 40+ year international career in energy, industrial gas and chemical industries
- Dr. Niall McCrae  
PhD in Mental Health
- Angela McKay  
retd Mechanical Engineer in Turbine Generator Industry. Retd Head of Physics St Mary's 6th Form College, Lancashire
- Dr. Euan Mearns  
retired, freelance consultant, researcher, blogger and author
- Krov Menuhin  
Expert on ocean life, underwater filmmaker, professional diver, pilot and writer, explored the Earth's extremities, experiencing the oceans and the atmosphere first-hand
- Geoffrey Middleton  
Chartered Architect, Social Science
- Terence Mordaunt  
Accomplished businessman, Self taught climate scientist mentored by Professor David Bellamy
- Dr. William Morgan  
Retired Clinician
- Dr. Ian Mortimore  
BSc, PhD, MB, BS, FRCP, retired Consultant Respiratory Physician in the NHS with research affiliations to Edinburgh and Newcastle Universities
- Philip Mulholland  
Geoscientist, Life time experience in the Geo-Energy Industry, co-author of the DAET climate model
- Stuart Munro  
Exploration Geologist and Geophysicist
- Edward Nealon  
Geologist, Member of the Australian Institute of Mining & Metallurgy
- Alex Nichols  
BSc Geography, MSc Environmental Assessment, 27 years in sustainability consultancy, programmes and projects
- Blair Nimmo  
Electronic Engineer, working in Computer Networking and Optical Surface Metrology and Fibre Optics
- Michael John Oates  
Geologist, Lifetime Experience in the Geo-Energy Industry, Fellow of the Geological Society of London
- Gerard O'Donovan  
Entrepreneur, Business Owner, career in building international and multinational organisations
- Andrew O'Rourke  
journalist climate change
- Peter Owen  
FGS, Fellow of the Geological Society of London
- Jonathan R. Partington  
Emeritus Professor of Mathematics, University of Leeds
- Dennis Paterson  
Retired Geologist
- Dr. James Petch  
Physical Geographer, formerly Reader in Environmental Science at MMU and Head of Distributed Learning at the University of Manchester
- Peter Phillips  
BSc Hons Mechanical Engineering, lifetime experience in the geo-energy industry
- Graeme Phipps  
geologist and geophysicist, Jersey Channel Islands
- Dr. James Pindell  
Geologist, specialised in plate tectonics and palaeographic evolution, Director of Tectonic Analysis Ltd (UK), Adjunct Professor at Rice University (USA)
- Gerry A. Quinn  
Research Scientist, Ulster University, lifetime career in microbiology, biochemistry and environmentalism
- Clive Randle  
Geologist, Fellow of the Geological Society of London
- Jonathan Charles Read  
Honours degree in Physics from the University of Durham, member of the Institute of Physics (MInstP), Fellow of the Chartered Association of Certified Accountants (FCCA)
- Dr. Colin Richard Reeves  
Emeritus Professor of Operational Research, Expert in Mathematical Modelling
- Ceri Reid  
PhD Electrical and Electronic Engineering, Sonar Specialist
- Chris Rice  
BEng(Hons) Engineering & Environmental Science
- Steven Andrew Richards  
MSc, Retired Chartered Engineer, Retired Lecturer from Portsmouth University and Southampton Solent University

## United Kingdom continued

- Michael F. Ridd  
Geologist, Fellow of the Geological Society of London
- Philip Risby  
BSc Engineering, Retired environmental consultant, patent holder
- Anthony Robb  
PhD, Retired Chemist
- Salmaan Saleem  
Family Medicine Doctor
- Dr. José Sánchez-Morales  
Doctor in Geology, analysing paleoclimate cycles and software expert
- Richard Saumarez  
Biomedical Engineer from Imperial College
- Charles Savage  
BA, BSc, MA (Oxon.) in Chemistry, CEO of CP Pharmaceuticals (Retired)
- Robert M. Schneider  
MSCE, retired Civil Engineer
- Michael Seymour  
Geologist, Fellow of the Geological Society of London
- Stephen Silverstein  
BSc Graduate of Queen Mary University, London, in chemistry with geology
- Mike Sluman  
Retired teacher with an honours Degree in Environmental Biology
- Dr. Ian Smith  
MSc Maritime Archaeology, PhD Chemistry
- Mike Stigwood  
Environmental Researcher
- Leslie Thomson  
Retired Vice President Operations, BP Exploration, Aberdeen
- Edwin Thwaites  
Retired Principal Lecturer in Organisational Analysis and Crisis Management, University of Central Lancashire, Preston
- Derek Tipp  
BSc honours degree in chemistry, former research chemist and retired science teacher, currently councillor on New Forest District Council
- David Todd  
retired Associate Member of the Institute of Bankers, Post Graduate Certificate in Business and Management
- Paolo Emilio Trevisanutto  
PhD in Physics, Senior Computational Scientist
- Mark Tucker  
BSc of Science Geophysics, Serial Entrepreneur and Scientific Advisor to APPG for Industrial Hemp
- Neil Upton  
Retired GP UK
- prof. Anton van der Merwe  
MD, PhD, Professor in Molecular Immunology
- Matthew David Waggener  
Financial professional, strategic consultant on business investments
- Dr. Glenn K. Wakley  
Emeritus Associate Professor Biological Science, Fellow of the Royal Society of Biology and member of The Anatomical Society
- Professor David Wastell  
Emeritus Professor of Information Systems at the University of Nottingham
- Paul White  
B.Sc. Physics, Durham University, Retired, Former Higher Scientific Officer Marine Climatology
- Philip Linden Wilkes  
Life time Experience in Marine Biology
- Jay Willis  
Marine Scientist, Associate of the OxNav Group of Oxford University.
- Matt Wood  
BSc in Metallurgy & Materials Science, Retired Airline Pilot, Patent holder
- Alison Wright  
BSc MSc. Systems Engineer, Energy Policy, Sustainable Development policy.
- Valentina Zharkova  
Professor of Mathematics and Astrophysics, Northumbria University, Newcastle upon Tyne
- Ivor Zoefitg  
International communications coach specialised in chaodynamics and NLP LP



## 441 SIGNATORIES FROM UNITED STATES OF AMERICA

### 2 WCD Ambassadors

- Dr. John F. Clauser  
Nobel Laureate Physicist
- Richard Lindzen  
Emeritus Professor Atmospheres, Oceans and Climate, MIT, USA

### 439 Signatories

- Edward Abbott  
MD, Retired obstetrician, BSc in math and chemistry
- Paul Berrick Abramson  
PhD. in Theoretical (Solid State) Physics, Juris Doctor, Registered Professional Nuclear Engineer
- Dr. Syun-Ichi Akasofu  
Professor of Geophysics, Founding Director of the International Arctic Research Center of the University of Alaska Fairbanks from 1998 until 2007
- Ralph B. Alexander  
Emeritus Professor of Physics, Science Writer
- Chapel Allen  
Geophysical Engineer with 49 years experience in earth science

## United States of America continued

- Lincoln Anderson  
• Michael Anderson  
• Michael Antonetti  
• Anthony J. Armini  
• Bob Armstrong  
• Nicholas Ashcraft  
• Dr. Malgorzata Askanas  
• Hans-Peter Bähr  
• George Baker  
• Jeffrey Baldwin  
• Lynne Balzer  
• Donna Barr  
• Dr. Bryan Barrilleaux  
• Joe Bastardi  
• Captain Walter Bates  
• Charles G. Battig  
• Eric Baum  
• Trenin Bayless  
• Scott Beattie  
• James Beilman  
• Dr. Ernest Calvin Beisner  
• Larry Bell  
• Frank X. Bellini  
• David J. Benard  
• Haym Benaroya  
• Dr. Shmuel Ben-Shmuel  
• Dr. Peter R. Bergethon  
• Robin Bernhoft  
• Edward X. Berry  
• Ronald Berti  
• Brent J. Bielema  
• Dr. David L. Black  
• Jared L. Black  
• Thomas Lindsay Blanton  
• Elliott D. Bloom
- Macroeconomist and Econometric Model Development
- BS Chemical Engineering, PhD Information Science, writes about contemporary American politics, including global warming
- P.G., Professional geologist for 35+ years in Pennsylvania with Ms in glacial geomorphology
- Retired Founder and CEO Implant Sciences Corp.
- MS , mathematical psychophysics
- Materials Science and Engineering, Wright State University. Lifetime career in the oil and gas industry
- Senior R&D Associate at the Aurora Biophysics Research Institute
- Emeritus Professor of Pharmacology, Canada and Former Dean of Basic Medical Sciences, American University of Barbados, Barbados
- Emeritus Professor, Applied Science, James Madison University
- petrophysicist and rock physicist specialist
- certification in Biology, Chemistry and Physics, founder of Faraday Science Institute, retired high school teacher (chemistry, physics, biology), adjunct college science professor
- lifetime career as investigative journalist worldwide
- MD, Physician of Internal Medicine
- Chief Meteorologist Weatherbell.com, Author: The Climate Chronicles: Inconvenient Revelations you won't hear from Al Gore and others; The Weaponization of Weather in the Phony Climate War
- Former pilot at United Airline
- Climate Adviser, Heartland Institute
- PhD in Theoretical Physics, Princeton University
- PhD in Materials Science, Post-doctoral research in metallurgy, Masters degree in Biomedical Engineering
- Juris Doctor Degree (Law), studied history of science for 25 years and climate science for ten years
- ASBOG Licensed Environmental Geologist
- Expert on the Ethics and Economics of Climate and Energy Policy, Founder and Spokesman of The Cornwall Alliance for the Stewardship of Creation
- Endowed Professor of Space Architecture, University of Houston
- Retired Geologist and Environmental Scientist, 45 years experience in earth science research including flooding studies
- Chemical Physicist & Co-inventor of the Oxygen-iodine Chemical Laser
- Distinguished Professor of Mechanical and Aerospace Engineering, Rutgers University
- PhD in Aerospace & Mechanical Engineering, retired aerospace engineer, worked on the Space Shuttle, doing Computational Fluid Dynamics simulations
- retired Professor of Biochemistry, Anatomy & Neurobiology, Biomedical Engineering and Neurology, Boston and Tufts Universities. Inventor of bioelectrochemical energy systems.
- MD, FACS, FAAEM, retired liver and pancreatic surgeon, retired clinical toxicologist, author of 3 books, 28 peer-reviewed papers
- PhD, Atmospheric Physicist, American Meteorological Society, Author, Climate Physics LLC
- lifetime career in the semiconductor industry
- studied Economics at Northern Illinois University, professional nutritional counselor
- Clinical and Forensic Toxicologist (Microbiology, Immunology, Pathology, Pharmacology), Vanderbilt University Nashville, adjunct of Department of Medicine Board of Visitors
- Numerical Analysis Consultant, ScD
- PhD in Tectonophysics, Texas A&M University, Consultant in geomechanics specializing in compaction, subsidence, and lithospheric stress determination
- Emeritus Professor of Particle Physics and Astrophysics, KIPAC-SLAG, Stanford University

## United States of America continued

- David Boleneus  
Professional Geologist
- Daniel Botkin  
Emeritus Professor of Biology, Climate Researcher, Author of the Book: Twenty-five Myths That Are Destroying the Environment
- Dr. Walter Bradley  
PhD, Emeritus Professor Mechanical Engineering, Texas A&M University, Baylor University
- Robert L. Bradley jr.  
CEO and Founder of the Institute for Energy Research
- David Brand  
PhD Biology, Immunology and Biochemistry Scientist since the early 1990's
- Donald Bretches  
PhD Physical Organic Chemistry
- Dr. William Briggs  
Alumnus Cornell University, Writer and Philosopher
- Daniel Brimhall  
MS Extractive Metallurgy, University of Utah, retired Vice President Operations, American Chemet, East Helena, MT, now active as consultant
- Clare Livingston (Bud) Bromley III  
BS Natural Sciences, scientific instruments
- Dr. Larry Frank Brown  
PhD in Range Plant Ecology (Ecophysiology) from Colorado State University (1974), President of L.F. Brown & Assoc. Inc.
- Joel M.G. Brown  
retired petroleum engineer
- James Brucher  
technology and business consultant for over 30-years in the telecommunications, transportation, aerospace, software, defense, manufacturing, and biotechnology industries.
- Gerald Brunetto  
Retired after lifetime career in engineering & building nuclear & fossil fuel fired steam power plants
- Clifford Brust  
Director of Engineering at Defense Engineering Corporation
- James W. Buell  
PhD, Aquatic Biologist, Consultant
- Robert Bugiada  
Senior Process Engineer at R.C. Costello & Assoc. Inc
- Frits Buningh  
Data Research Specialist
- Lior Burko  
PhD, Theoretical Physicist
- Dr. H. Sterling Burnett  
PhD, Applied Philosophy with a specialization in Environmental Ethics, past Senior Fellow of the National Center for Policy Analysis, now Senior Fellow Heartland Institute
- David Burton  
System and Computer Scientist, Expert Reviewer of AR5 and AR6, Member of the CO2 Coalition and Creator of the SeaLevel.info website
- Mark Shane Butler  
MA in mathematics, lifetime career in data science
- Barry Butterfield  
Civil Engineer Retired
- George Buzel  
BS and MS Engineering, Physics and Optics
- Roger Caiazza  
Pollution Meteorologist, life time experience in the electric generating business, retired Director of the Environmental Energy Alliance of New York
- Ron Cakebread  
mechanical engineer with 35 years in the industrial automation business; experience in modeling, simulation, and analysis of very complex systems
- Sharon R. Camp  
PhD, Retired Analytical Chemist and Environmental Scientist
- Nick Capaldi  
PhD, Author Books on Logic, the Scientific Method and the Philosophy of Science
- John M. Cape  
P.E. former military officer and economics instructor at West Point, Licensed Professional Engineer, Energy Consultant - Upstream Oil and Gas, now writing Net Zero themed novels
- John Carr  
Electronic Engineer, specialised in antenna and satellite installations
- Marion G. Ceruti  
PhD Chemistry, Retired Research Scientist, Space and Naval Warfare Systems Center Pacific
- Dr. Francis Cheng  
Professor of Chemistry with specialties in carbon materials, batteries and energy conversion, University of Idaho
- Mitchell R. Childress  
Archaeologist and Cultural Resource Environmental Compliance Specialist, Commonwealth Heritage Group
- Prof. Krishnan Chittur  
emeritus-professor in chemical engineering and biotech, Univ of ALabama Huntsville, cofounder of medical diagnostics startup (genecapture)
- Terigi Ciccone  
Engineer, author of "A Hitchhiker's Journey Through Climate Change," and a proud former Sierra Club member
- Prof. Claudio Cioffi-Revilla  
PhD, DSc Pol, University Professor Emeritus at George Mason University

## United States of America continued

- Roy Clark  
Climate Researcher, Retired Engineer, California
- Bob Cohen  
Certified Consulting Meteorologist (CCM), MS in physical oceanography from Texas A&M University and a BS in meteorology from Penn State University
- Dr. Richard Collingham  
PhD in Engineering, Professor for 16 years teaching Graduate Level Heat Transfer and Fluid flow courses
- David Collum  
PhD in Chemistry, Professor of Chemistry (organic/organometallic chemistry)
- Sabin W. Colton  
PhD, Biochemist and Marine Biologist
- Michael Combs  
Major, US Air Force, Retired; Retired Lockheed Missiles and Space Company Environmental Protection Auditor
- Gary Cooke  
MSc. Geophysical Sciences, Laboratory analyst and manager, studied sea level curves since the 1980s
- George Copeland  
PhD, Electrical Engineering, Computer Architect, Software Architect, Physicist, retired
- Martin Cornell  
Retired Senior Scientist, Dow Chemical Company
- David T. Cramer  
MS, Instructor of Sociology and Psychology, Pratt Community College
- Daniel Clyde Cummings  
M.D. University of Utah School of Medicine, B.A. mathematics, political advocate against all treaties and most legislative proposals to limit use of fossil fuels
- John Curtin  
Msc in Economics, lifetime experience in strategic planning and forecasting
- Joseph S. D'aleo  
Professor of Meteorology and Climatology at Lyndon Stage College, Founder of Icecap.us, First Director of meteorology of the Weather Channel
- Raphael D'Alonzo  
Analytical Chemist, Retired Associate Director, the Proctor & Gamble Company
- Stephen Dartt  
Retired from 19 years of Chemical Engineering and from 24 years of Teaching Mathematics, Physics, Chemistry & Applied Statistics.
- George Davey  
Physicist, University of Iowa
- Donn Dears  
GE Company Engineer, and Senior Executive, Retired, Author of 'Net-zero Carbon, The Climate Policy Destroying America'
- Ken DeGraaf  
MSc Engineering Mechanics, Structural Dynamics, Colorado House of Representatives, USAF pilot, Instructor: USAFA AP Calc; weather for pilots, Environmental Manager, Michigan ANG
- James DeMeo  
PhD, Retired Expert in Earth and Atmospheric Science, Oregon
- David Deming  
Professor of Arts & Sciences, University of Oklahoma
- Maaneli Derakhshani  
Ph.D in theoretical physics and philosophy of physics, Postdoctoral researcher in theoretical physics and philosophy of physics at Rutgers University--New Brunswick
- William Robert Detzner  
retired special education teacher, fighter against the continuing reduction of personal freedom
- David Dilley  
MSc, Meteorologist-Climatologist-Paleoclimatologist, CEO Global Weather Oscillations Inc.
- M.D. Robert G. Dillon  
retired physician and astronomist
- Robert G. Dodge  
Attorney
- Pedro Domingos  
Emeritus Professor of Computer Science and Engineering, leading AI researcher
- Terry Donze  
BS-Geological Engineering, Lifetime Career in Geophysical Consulting
- Michael Down  
Petroleum Engineer, lifetime experience in the geo-energy industry
- Jack D. Downing  
Geologist and Geophysicist
- Gordon A. Dressler  
MSc, 36-year professional career as a rocket and spacecraft propulsion engineer, awarded six patents in the field of rocket propulsion
- Paul Driessen  
Senior Policy Advisor, Committee for a Constructive Tomorrow (CFACT) and Congress of Racial Equality (CORE)
- John Droz jr.  
Physicist, Founder of AWED Alliance
- Dr. William DuBroff  
PhD Metallurgy, Former Director of Research Inland Steel, Former Asst. Professor Clemson University
- John Dueker  
MBA University of Houston, BSEE University of Notre Dame, 45 years of experience in environmental permit compliance

## United States of America continued

- Murray Duffin  
BSCEE, MBA, former Corporate Vice President for Total Quality and Environmental Management, Retired
- John Dale Dunn  
MD, JD, Lecturer Carl R. Darnall Army Medical Center, Fort Hood, Texas
- Jack Edwards  
AI research and development (Retired)
- Stephen Einhorn  
MSc in Chemistry, author of Climate Change: What they Rarely Teach In College
- Guy Ellison  
Second generation oil and gas explorationist
- Prof. James E. Enstrom  
PhD, MPH, FFACE, Retired UCLA Research Professor in Epidemiology, President of the Scientific Integrity Institute, Los Angeles
- Kenneth Epperson  
Nuclear Engineer
- Richard G. Eramian  
BA in mathematics and physics
- Willis Eschenbach  
Generalist and Author of many (peer-reviewed) critical Climate Articles with numerous Citations
- Vincent Esposito  
Adjunct Professor University of Pittsburg, PA, Doctor of Science in Nuclear Engineering (Un. Fo Virginia), Retired Manager from Westinghouse Electric Company
- Douglas Fairbent  
Retired Physicist trained in Condensed Matter Theory, PhD (Physics), University of Michigan, 1978
- Dennis Falgout  
BS chemistry, MSE air pollution measurement, PhD Photochemistry, Consulting environmental engineer
- Peter Farrell  
Fellow of the US National Academy of Engineering
- Ralph English Fisler  
professional aerospace engineer
- Edward Patrick Flaherty  
American lawyer based in Geneva, litigating against the UN, WMO, WIPO and other IOs on behalf of staff members, whistleblowers and injured third parties
- Rex Fleming  
Research Scientist, Author of Book on Carbon Dioxide Fallacy, Retired President Global Aerospace
- Jim Folcik  
Geosciences Manager Extraction Oil & Gas
- William Foley  
BS and MS in Geology, University of Kentucky, 30 plus years in the energy industry, including experience in uncertainty and probability analysis.
- James Forensky  
B.S.E.E. , M.D. Retired Engineer and Physician
- John Fortier  
Vice President of Geology/Geophysics
- Dr. Geoffrey Q. Fox  
Geoffrey Q. Fox, Retired Neuroscientist, PhD in Anatomy and Physiology from the University of California, Berkeley
- Dr. Neil Frank  
Lifetime of Experience in Research and Forecasting in Tropical Meteorology, Former Director National Hurricane Center
- Patrick Frank  
PhD, SLAC National Accelerator Laboratory, Stanford University
- Gary Freeman  
PhD, Water Resources, President, River Research & Design, Inc
- Robert S. (Steve) Friberg  
Trend Resources LLC, Resources Exploration Geologist with +55 years of experience in the geological sciences field
- Gordon J. Fulks  
Astrophysicist, Board of Directors CO2 Coalition, Co-founder Global Warming Realists
- S. Fuller Hunt  
Biology Teacher at Preparatory High School of Mathematics, Science, Technology and Careers, Calabash, North Carolina
- Lynn Warren Funk  
accelerator physicist, climate realist
- Terry Gannon  
Physicist, Retired Semiconductor Executive
- Dr. Philip Garrou  
PhD Chemistry 1974 Indiana Univ. Retired Director of Technology at Dow Chemical's electronics division. Serves DARPA and the DoD as a microelectronics subject matter expert (SME)
- Louis Genevie  
PhD, Epidemiologist, www.LitStrat.com
- Nicholas de Gennaro  
PhD, PE, Coastal Engineer, Southport North Carolina
- Prof. Lee C. Gerhard  
PhD. in Geology, Retired Getty Professor of Geological Engineering from the Colorado School of Mines and Retired Director and State Geologist of the Kansas Geological Survey
- Ulrich H. Gerlach  
Professor of Mathematics, Ohio State University
- Thomas A. Gilliam  
PhD, Professor of Accounting, Retired
- Alan Glabe  
PhD Organic Chemistry, University of California, Retired
- Dr. William Glassco  
PhD in Medicinal Chemistry, former researcher, currently Instructor
- Curtis Fred Goddard  
Retired Geologist

## United States of America continued

- Dr. Indur M. Goklany Science policy advisor in the US Dept of Interior, Co-developed the work plan for the IPCC's 1st, 2nd, 4th Assm. Reports, Expert Reviewer for several IPCC reports
- Dr. J.D. Gold lifetime experience in Clinical Psychology; worked in the frontlines of the war against the madness of terrifying people
- Leo Goldstein MSc in Mathematics, lifetime experience in computer software, computer networks and cyber security. He is also a successful author and start-up founder
- Timothy W. Gordon Retired USAF/USN Veteran, Independent Researcher
- Derek Gordon CEO HTS Engineering
- Steve Goreham Executive Director, Climate Science Coalition of America
- Laurence I. Gould Professor of Physics, University of Hartford, Past Chair, New England Section of the American Physical Society
- Ronald Graham Retired Scientist in Physics, Chemistry and Complex Modeling
- Jim Granato Dean of the Hobby School of Public Affairs, University of Houston, lifetime career in research methodology
- William Griffin Staff Oceanographer US Naval Forces Korea
- Charles F. Gritzner PhD, Professor Emeritus of Geography, author of the book "Changing Climates" (2010)
- Mike Gruntman Professor of Astronautics, Space Physics and Space Technology, Space and Rocket History, University of Southern California
- Thomas Gyrog P.E., Project Manager and Designer of transportation infrastructure projects
- Kenneth Haapala President of the Science and Environmental Policy Project (SEPP), Contributor to the NPCC reports. Energy and Economics Modeler
- Kent Halac BS Mechanical Engineering, Masters Nuclear Engineering, Executive Masters of Technology Management, Commercial Nuclear Power (Carbon Free Energy)
- Stephen Hallin Retired from Atmospheric Science (BA 81 MS 91)
- Dale B. Halling BSEE, MS Physics, JD, Retire Patent Attorney
- Lyle W. Hancock Professional Mathematician
- Kip Hansen Independent Science Research Journalist
- Dr. William Happer Professor Emeritus in the Department of Physics at Princeton University
- Brett T. Harding Materials Scientist in Sustainable Technology, over 20 granted patents in nanoceramics, OLED, photocatalyst, optical devices, and related materials
- Steven Harford PhD chemistry and lifetime career in renewable energy and aerospace research
- Richard Harris PhD, atmospheric physics and chemistry as applied to radiation transport modeling, laser propagation, high power microwave propagation
- Ilana Harrus PhD Physics, MS In Information Systems, Former Senior Research ScientistSenior Research Scientist NASA Goddard Space Flight Center
- Korbi Hart Marketing Director Inland Crude Purchasing
- Peter J. Hatgelakas Masters in Petroleum Engineering, petroleum geologist, geophysicist, and petroleum engineer at Hatgelakas Consulting
- Bryan Haycock PhD, Adjunct Faculty at a University in the state of Utah
- Howard C. Hayden Emeritus Professor of Physics, University of Connecticut
- David Heald Retired Electrical Engineer
- Donald R. Healy BS, Degree in Forest Management from Oregon State University, Participated in Anthony Watts' first Surface Station Project
- Dennis E. Hedke CEO-Hedke Geoscience Consulting, LLC, presented the 2018 testimony on Seal Level Rise before the Committee on Environmental Protection of the New York City Council
- Tony Heller Geologist, electrical engineer, climate communicator at realclimatescience.com
- Edward G. Helmig Environmental Engineering Professional in the field of Industrial Water Treatment and Environmental Protection
- Oliver Hemmers Retired Executive Director of the Harry Reid Center at the University of Nevada, Las Vegas

## United States of America continued

- James D. Henry Consulting Geologist, BS Geology, U Texas Austin, 1970, founder of Old Aulacogen, L.P. in 1991
- Glenn C. Hillam Big Data Architect/Scientist
- Gary L. Hoe PE, Retired Colonel USAF, Technical Director of several Nuclear Weapon Effects Tests at the Nevada Test Site, Member Scientists for Accurate Radiation Information (SARI)
- Aaron Hogue PhD, Associate Professor, Department of Biological Sciences, Salisbury University
- Jim Hollingworth Social Scientist, Book: 'Climate Change: A Convenient Truth'
- Dr. Gary M. Hoover Geophysicist, Lifetime Experience in the Geo-Energy Industry, Retired Member Board of Directors Geo-Service Company
- Christopher Paul Horger lifetime experience in optical network design
- Jerry C Hornbuckle Retired Rocket Scientist
- Walter Horsting Energy Expert, CEO of Global Village Utilities, Large Technology Projects Developer for 4th generation Thorium applications.
- Captain Thomas C. Houghton USNR (Rtd), Qualified Nuclear Engineering Officer; Sr. Director, Reactor Programs, Nuclear Energy Institute
- J. Stephen Huebner PhD, Retired Research Geologist, U.S. Geological Survey
- Edward Huff PhD, Retired NASA Senior Scientist
- John Hunt MD, pediatrician, former tenured Associate Professor of Pediatrics, medical missionary, patent holder, and writer about contamination of science by politics
- Richard W Hurst PhD, Emeritus Professor of Forensic Environmental Geochemistry and Planetary Sciences, California State University, Los Angeles
- Kanzan Inoue MS & PhD in Physics, President & Physicist of Exponential Future LLC
- Gamaliel Isaac PhD, Retired senior software engineer of the Department of Radiology of the Hospital of the University of Pennsylvania
- William Ivers PhD Scripps Oceanography, ocean current computer modeler, software designer, entrepreneur, economist, artificial intelligence innovator
- Jim Janota Developing and improving petroleum based Chemicals, Plastics and applications
- James Jaskie Career in renewable energy, over 50 patents in solar cells and other solid-state devices.
- Laurence N. Johnson Lt Col, USAF (Ret), MS in meteorology, MSE in aerospace engineering
- Randy Johnson Retired VP of Engineering and Geoscience Technology at two Fortune 500 independent oil companies
- Stephen Albert Johnston BS Molecular Biology, Phd Genetics, Phd Plant Breeding/Genetics, Postdoc Biochemistry, CEO, CSO Inventor
- John Joyce Climate Narrative Challenger
- Walter Kailey BA Physics with Honors, PhD Astronomy, Physicist, Inventor and high performance Computing Specialist
- Dr. Thomas J. Karr PhD physicist, Retired Principal Director in the U.S. Office of the Undersecretary of Defense for Research & Engineering
- James Kelly PhD Physics, data science executive
- Kerry Kelly Geology degree, Energy and Environment Professional
- Kathryn E. Kelly President Delta Toxicology
- Michael L. Kelly US Navy, BS, Tool Design Engineer (retired)
- Hugh Kendrick PhD, Retired Director Plans and Analysis, Office of Nuclear Reactor Research, US Dept. of Energy, Fellow American Physical Society independent researcher in public health issues.
- Robert Kernodle Adjunct Prof. Mechanical Engineering at University of Wyoming
- Kevin T. Kilty Retired Geologist (MSc)
- Fred Kinsley Editor of the Climate Science Journal, more than a decade in renewable energy engineering
- Kevin Kirchman BSc Portland State University, 300 level Geography and Climatology
- Floyd Lee Knapp Marine Scientist and Geologist, Beacon, New York
- Stephen C. Knowles retired Nuclear Engineer, ASME Fellow, Past Chair of the ASME Nuclear Engineering Division and the ASME Energy Committee
- Kenneth D. Kok B.S. Ed. Mathematics, B.S. Physics, M.S. Nuclear Engineering, M.A. Physics
- Mark Konya Retired Judge on the US Court of Appeals
- Alex Kozinski



## United States of America continued

- Wayne P. Kraus  
Member American Institute of Chemical Engineers (AIChE)  
retired Oceanographer and Meteorologist (US Navy), Geologist with US Bureau of Land Management
- Kirk Laird  
Retired Program Director for the Physical Oceanography Program at NSF: Tropical Ocean/Global Atmosphere (TOGA), and World Ocean Circulation Experiment (WOCE).
- Richard Lambert  
MSc Geophysics
- Richard Lang  
PhD, Emeritus Professor of Geochemistry, Depts. of Chemistry, Geochemistry, and Environmental Sciences, Colorado School of Mines. Consultant and President of Hydrochem Systems Corp
- Prof. Donald Langmuir  
Doctorate in Horticulture, Author of 5 books latest title: The Nonsense of Global Warming and Climate Change
- Dirk van Leenen  
PhD, Retired Professor of Climatology in the Department of Geography and Spatial Sciences at the University of Delaware, Cornwall Alliance for the Stewardship of Creation
- David R. Legates  
PhD, Senior Policy Analyst for the International Climate Science Coalition, Former Science Director of the Heartland Institute
- Jay Lehr†  
Chemist and Patent Attorney, New Hampshire
- David P. Lentini  
PhD in Chemical Engineering, Advisor to allaboutenergy.net
- Dr. David H. Lester  
Instructor UCI, Manager, California
- James M. Leverentz  
PhD theoretical particle physics, Princeton University, Business executive with 30+ years of industry experience
- Ulf Lindqwister  
PhD, U.S. Geological Survey (Retired), Past-President, Commission for Hydrology, World Meteorological Organization
- Harry Lins  
PhD, Distinguished Professor of Physics, expert in space physics and space weather modeling,
- Ramon Lopez  
Prof. Eng., Geologist
- Howard R. Lowe  
BS-Physics, PhD-Biophysics; Founder and CEO, Molecular Matters AZ
- Ronald J. Lukas  
PhD Atmospheric Science, Professor of Atmospheric Science, University of Missouri
- Anthony Lupo  
IT professional, business owner, Pennsylvania
- Dean Lusby  
Specialty Gases Chemist
- James MacNeal  
Ph.D. (Ret) Condensed Matter Theoretical Physics
- Frank Madarasz  
Meteorologist/Scientist/Trader at MarketForum
- Michael Maguire  
Retired Nuclear Engineer Sandia National Laboratories (New Mexico), Member Scientists for Accurate Radiation Information (SARI), Member Nuclear Society (ANS)
- Jeffrey Mahn  
PhD, Distinguished Professor of Physics and Astronomy, UCLA
- Matt Malkan  
Professor Emeritus of Mathematics, Queens College, CUNY
- Michael Maller  
Doctorate in Analytical Chemistry, career in environmental sampling, analysis and data quality
- John Maney  
Retired from the US Naval Research Lab and life fellow of APS and IEEE, Author of “Mass Delusions, how they harm sustainable energy, climate policy, fusion and fusion breeding”
- Wally Manheimer  
MD FRCSC, Joint Replacement/Hip and Knee Arthritis, Department of Orthopaedics and Sports Medicine, University of Washington
- Prof. Paul Manner  
Emeritus Professor of Immunology, Cornell University, Dept. of Microbiology and Immunology
- James A. Marsh  
General Science Teacher, grades K-12, United States, China, and Belize
- David Martinovich  
BS Meteorology and Oceanography, MS PhD Atmospheric Sciences, Manager, River Systems and Meteorology Group, Bureau of Reclamation, US Department of the Interior (Retired)
- David Matthews  
PhD in Atomic and Molecular Physics, 20 years experience as a physicist, currently business owner in statistical analysis and software
- John Mauer  
BS Organic Chemistry, MD, President and Founder of Cayman Chemical Inc
- Kirk Maxey  
BS, PhD Chemistry, Research Fellow. (Retired)
- Donald May  
Writer and Retired Petrophysicist
- Andy May  
Consultant to the Defense Science Board, Former consultant to the Department of Energy on Issues related to Inertial Fusion
- Gene McCall

## United States of America continued

- William McCann  
PhD Seismology, lifetime career in Earthquake Hazard modeling and analysis
- Dr. Neil J. McCarthy Jr.  
Financial Consultant at N J Mc Carthy & Assoc, PhD in Organic Chemistry Cornell University
- Craig McCluskey  
PhD, Physics
- Richard McFarland  
Retired NASA Physicist
- Sean McGrew  
Analytical Chemist, lifetime career in Chromatography/Mass Spectrometry, applications to semi-volatile organic compounds in the environment
- Edward P. McMahon  
PhD, career in remote sensing from spacecraft, and super computing analyses of physical phenomena
- Dr. Michael Meichle  
PhD in Physics, Research Imaging Scientist
- Mark Meier  
PhD, Professor of Physics, University of Houston
- Samuel H. Melfi  
Emeritus Professor of Physics, UMBC, Retired NASA Scientist
- Kenneth Melvin  
MD, Retired Professor of Medicine, Portland, Oregon
- Dr. Daniel M. Merfeld  
BSME U Wisconsin-Madison, MSE Princeton, PhD MIT, neuroscientist/neuroengineer, former Professor at the Harvard Medical School, Professor at the Ohio State University
- Dr. Peter B. Merkle  
Associate Professor in environmental science and engineering at the School of Engineering at Benedictine College
- Rodney Michael  
COL, US Army Medical Corps, Retired
- Patrick J. Michaels†  
Competitive Enterprise Institute, Washington DC
- Michelle Michot Foss  
PhD, fellow in energy, minerals and materials at Rice University's Baker Institute
- Miodrag Micic  
PhD Chemistry, Professor of Engineering Design Technology at Cerritos College in Norwalk, California and Life Sciences Marketing Executive
- Edward Mickelson  
Ph.D., Technology Transfer Professional, Oil & Gas Industry
- Christopher Miller  
PE, CEM, CBCP, Registered Professional Engineer for the Power and Energy Industry
- Steven Milloy  
MHS, JD, LLM, Publisher
- Ference M. Miskolczi  
Retired NASA/AS&M Senior Scientist, Foreign Associate Member of the Hungarian Academy of Sciences
- Michael J Mitchell  
Mechanical Engineer
- Guy K. Mitchell Jr.  
graduate mechanical engineer and physicist with extensive research in the field of anthropogenic global warming
- Josh Mitteldorf  
PhD, theoretical astrophysics, Independent scientist in computer modeling, Visiting scholar at MIT's Department of Earth, Atmospheric, and Planetary Sciences
- Matthias Mixon  
BBA Degree, University of Mississippi
- Michael Monce  
PhD in Physics, Emeritus Professor of Physics, Astronomy, and Geophysics, Connecticut College
- Brian Moody  
Former GET Specialist for SMS Equipment in Ft McMurray
- David Moore  
PhD Physical Chemistry, Los Alamos Laboratory Fellow, lifetime career in molecular spectroscopy of materials at extreme conditions as well as trace detection of illicit materials
- James Moore  
Commercial Fisherman, President Alaska Trawlers Association, Executive Committee Northern Southeast Regional Aquaculture Association, Board member Armstrong Keta Inc.
- James R. Morris  
Geophysical Exploration Oil & Natural Gas
- Thomas L. Moser  
Retired NASA Senior Executive, Program Manager of the Space Station and Space Shuttle, Founder of the "Right Climate Stuff", a group of former NASA Engineers & Scientists
- Steven Mosher  
first American social scientist to conduct field research in China, exposed human rights abuses in China's one-child policy.
- David R. Motes  
Chemical Engineer, lifelong experience in the geo-energy industry
- Steve Mroczkiewicz  
PhD in entomology, Crop Protection Field Research Scientist, student of climate change and climate policy
- James F. Mundy  
Retired Meteorologist
- Daniel W Nebert  
Emeritus Professor of Gene-Environment Science, University of Cincinnati College of Medicine and Cincinnati Children's Hospital, Ohio

## United States of America continued

- Prof. Eric L. Nelson PhD, Assistant Clinical Professor, Department of Public Health Sciences, University of California
- Gregg Neuendorf Retired Chemical Engineer, Cleveland
- Danny L. Newton Retired from Federal Aviation Administration (FAA), Experience in Working with NOAA with respect to Experimental Weather Data Collection
- Richard Nicholson MD University Of South Alabama 1988, Family Medicine
- Ned Nikolov PhD, Physical Scientist at the USFS Rocky Mountain Research Station in Fort Collins, CO, Managing a Fire-Weather Intelligence Project
- Paul Noel Research Scientist (retired)
- Jesús Ochoa MSc Earth Sciences
- Thomas O'Connor Member American Association of Petroleum Geologists, Washington
- Sidney Oldberg BME, MSE, MSEE
- Kenton Oma Retired PE Chemical Engineer, Environmental Engineering, Environmental Consultant, R&D at DOE Nuclear Facility
- Jane M. Orient President of Doctors for Disaster Preparedness
- Tench C. Page MSc & BSc in Geology including study of causes and effects of earth's climatic history
- Steven Palmieri, Ph.D., D.O. MSc & PhD in Chemistry, Doctor of Osteopathic Medicine, Former Chemist & Virologist, Medical Doctor - Retired
- Charlie Pappis retired Semiconductor Industry Executive
- Trueman D. Parish Retired Director of Engineering Research Eastman Chemical Company
- Arvid Pasto PhD in Ceramics, Retired from the Oak Ridge National Laboratory, TN
- Chad M. Paton PhD, Associate Professor at University of Georgia
- Bill Pekny MSc Physics, Retired Atmospheric Physicist, former U.S. Navy Meteorologist and Hurricane Hunter, Author of the book: A Tale of Two Climates—One Real, One Imaginary
- Pawel Penczek PhD in Physics, Retired Profesor of Biochemistry and Molecular Biology
- Charles W. Pennington Senior Vice President of Engineering NAC International (Retired), Secretary, XLNT Foundation, Board of Directors
- Morgan Perry MS, MBA, Founder and CEO of Stratus Aero, LLC an aviation technology company focusing on aerial directed energy for human betterment, patents in aerial directed energy.
- Jeffrey S. Philbin Retired Nuclear Engineer Sandia National Laboratories, Independent Consultant in Nuclear Facility Design and Safety Analysis, Nuclear Criticality Safety and Weapon Response
- Dr. Robert B. Phillips retired from radio astrophysics, specialised in calibration and validation of orbital IR and visible sensors (GOESS, STSS-1 and -2)
- Nina Pierpont MD, PhD. Ecology and medicine. Author, Wind Turbine Syndrome: A Report on a Natural Experiment.
- James Richard Poirier BS degree in Meteorology, Lifetime Career in Atmospheric Science
- James M. Policelli Registered Professional Engineer
- Herman A. Pope Retired Aerospace Engineer NASA-JSC
- Willem Post Independent Researcher regarding Energy and Environment
- Darrell Potter Retired Geologist/Environmental Hydrogeologist
- Dr. William H. Pound PhD Major in Industrial Engineering with Minor in Materials Science
- Dr. Victor Privalsky PhD in math, PhD in physics, lifetime career in applications of theory of random processes for analysis and extrapolation of scalar and multivariate time series
- Kenneth L. Purdy Management Consultant, Retired Naval Officer in Operational Intelligence
- Dr. Marisol Quintanilla PhD, Assistant Professor of Nematology, Michigan State University
- Jilong Rao PhD in Geochemistry from Yale University... A retiree in Virginia.
- Michael Rath BS in Forest Management, Michael Rath, 55 years in Forest Management
- Brian D. Ray PhD in science education from Oregon State University, Salem
- Dr. George Rebane Scientist with degrees from UCLA in Physics (BS) and Engineering (MSE and PhD), lectured at UCLA and California State University as an Adjunct Professor

## United States of America continued

- Edward A. Reid  
lifetime experience in the US energy industry in technical research and development, market development, marketing and consulting
- Fred A. Reitman  
professional career as a petroleum and petrochemical toxicologist.
- Forrest J. Remick  
Commissioner (Retired), US Nuclear Regulatory Commission
- Dr. Douglas Rigby  
Ph.D. in Geomechanics, B.S. in Hydrology, expertise in modeling complex phenomena under uncertainty
- Anthony Robledo IV  
MSc, Environmental Scientist, United States Environmental Protection Agency
- David K. Rogers  
PE, CEG MS, Geological Engineering, Member of the Boards of Consultants for the Federal Energy Regulatory Commission
- Dr. Jennifer Runquist  
PhD from Northwestern Univ, Evanston IL related to photosynthesis
- Marius Russo  
IT expert
- James H. Rust  
Emeritus Professor of Nuclear Engineering, Georgia Institute of Technology
- Ralph Sacrison  
MSc, lifetime career in earth sciences and engineering
- Charles L. Sanders  
Retired Radiobiologist, Author of Radiobiology and Radiation Hormesis: New Evidence and Its Implications for Medicine and Society (Springer)
- Rick Sanders  
MA, Scientists for Accuracy in Radiation Information (SARI), Associate Editor, 21st Century Science and Technology Magazine
- Dr. Steven Saterlie  
PhD in Physics, Chief Engineer with major corporation and author of numerous technical papers.
- Jeffrey Satinover  
MD, PhD, research theoretical physicist in unpredictability of complex systems; director of a Sterling Institute neuropsychiatric facility.
- Kent Satterlee  
Executive Director at Gulf Offshore Research Institute (GORI)
- Dana H. Saylor Sr.  
a lifelong agriculturalist, retired, article "Living a lifetime of climate change"
- Hans Schantz  
PhD Physics, Principal Scientist, Geeks and Nerds Corporation, physicist, author, and inventor on over forty patents
- John Schell  
BS Marine Biology, PhD Toxicology, Toxicologist who has participated in the assessment of environmental impacts of chemical releases
- Jesse Schilling  
Certified Management Accountant
- Mike Schimmelpfennig  
Degreed Mining Engineer with more than 40 years of experience
- Brian Schmidt  
Co-Founder and Chief Visionary Officer of Primary Ocean Aquaculture division and Primary Bio Agriculture - Agriculture division
- Harold Grant Scoggins  
retired IT professional
- John Seater  
PhD, Emeritus Professor of Economics, North Carolina State University
- Mark W. Sellers  
PhD Systems Science, Modeling and Analysis of Complex Systems
- Edwin T. Sewall  
Retired BS Electrical Engineering, Southern Methodist University 1960 Dallas Texas
- John A. Shanahan  
Civil Engineer with Career in Nuclear Power; Public Education about Fossil Fuels including question of man-made Global Warming and Nuclear Power through Website: [allaboutenergy.net](http://allaboutenergy.net)
- William Sharp  
PhD Applied Science, Retired.
- Roscoe M. Shaw  
meteorologist and portfolio manager
- Dr. Thomas P. Sheahan  
PhD in Physics at MIT, Chairman, Science & Environmental Policy Project, involved in energy-related research for 45 years
- Dr. Roger Sheley  
Ecologist, USDA-Agricultural Research Service; Editor-in-Chief of the international journal-Rangeland Ecology and Management
- John D. Sheppard  
MD, MMSc, FACS, Professor of Ophthalmology, Microbiology & Immunology, Eastern Virginia Medical School
- John Shewchuk  
Meteorologist (CCM) and Atmospheric Researcher
- Stephen W. Shipman  
Institutional Investor
- Ryan Shrout  
Environmental Attorney with a Masters of Law in Environmental Law practicing in the air emissions field
- Dr. Matthew Eric Shultz  
University of Delaware, Dept. of Physics & Astronomy, specialised in Stellar Astrophysics, Annie Jump Cannon Fellow
- David Siegel  
author, entrepreneur, critical thinker, communicator
- Hal Simeroth  
PhD in Ethics, Graduate Engineer, 45 years of research science and engineering with patents in geological logging instrumentation and geophysical exploration methodologies

## United States of America continued

- Benjamin Slivka Retired, MSc Computer Science, “Angel” Investor with 20 start-ups in 56 countries
- Elliot Smith airline pilot, climate realist, 30+ years of studying AGW data
- Robert P. Smith PhD, PE, Environmental Scientist and Professional Engineer
- Robert J. Smith Bachelor of Physics, Aircraft test and evaluation engineer
- Professor William H. Smith Professor of Earth & Planetary Sciences, Astronomer and Planetary & Atmospheric Scientist, involved in the Analysis of the Earth’s Climate and Renewable Energy Systems
- Nicholas Smith-Sebasto PhD, Retired Professor of Environmental and Sustainability Studies
- Willie Soon Independent Scientist
- Prof. George Sowers PhD, Space Resources, Colorado School of Mines
- Prof. Rick Bernard Spielman Senior Scientist & Professor of Physics, University of Rochester, Laboratory for Laser Energetics
- Robert M. St. Louis MSc in geology, owner of Mine Water Consulting LLC
- Kirk Douglas Stahnke MS Educ. Prof of Design Tech (Retired), Independent Climate Researcher
- Walter Starck PhD, Marine Science, Pioneer in Coral Reef Studies, Policy Advisor to The Heartland Institute
- Jess L. Stark Founder and CEO of Stark Industries, Houston, Texas
- Doug Stearns PE, Natural Gas Consultant
- Jim Steele Emeritus Director Sierra Nevada Field Campus, San Francisco State University
- Phil Stegemoeller Professional Forester, Partnership with the Quinault Indian Nation, a BS in forest management at the University of Minnesota, 1979
- Ronald Stein Professional Engineer, Policy Adviser to Heartland Institute on Energy, and Co-Author of the Amazon 5-Star rated books “Energy Made Easy” and “Just GREEN Electricity”
- Kenneth S. Stevens PhD, Professor, University of Utah, Electrical and Computer Engineering Dept
- Brent K. Stewart PhD, Professor Emeritus, Radiology, University of Washington School of Medicine
- Jonathan Stigant BSc Engineering Science
- Kenneth Stoller MD - Lifetime Fellow, American College of Hyperbaric Medicine, author of Incurable Me (Skyhorse 2016)
- David Stubbs MSc Physics, Sr. Research Scientist, Aerospace Materials and Nondestructive Testing, Retired
- Gerald M. Sulzer MS Chemical Engineer, Retired Director of Technology, Albemarle Corporation
- Soames Summerhays Marine Biologist, Film Maker
- Dr. Daniel P. Taggart PhD in Experimental Plasma Physics, life time career in Controlled Thermonuclear Research and Radiation Protection at Los Alamos National Laboratory
- Tomer D. Tamarkin Physicist, Founder and President/CEO of Energycite Inc., President and Chairman of ClimateCite Inc.
- Paul Taylor Energy Economist, Recipient Rossitor Raymond Award, Golden Colorado
- Bradley Thomas M.A. Air Pollution Meteorology
- Francis Thompson Space Vehicle Engineer, Masters in General Relativity
- Edward Thompson PhD, DIC, Mechanical Engineering, retired
- David E. Thompson Professor Emeritus Mechanical Engineering and Computer Science, Dean Emeritus College of Engineering, University of Idaho
- Roane Thorpe BSME California Polytechnic, MBA University of California, lifetime career in global energy projects
- Gordon Tomb Energy and climate writer, communications consultant, primary editor of Inconvenient Facts and Senior Advisor for the CO2 Coalition
- Cecil Joe Tomlinson Retired Boeing Senior Principle Engineer
- Frank Trask BS Degree in Mechanical Engineering, University of Maine
- Kip Trout Lecturer in Physics, The Pennsylvania State University – York Campus
- Karl Michael Frederick Truitt BSEE, IEEE, US Veteran, 6 US Patents, Climate Data Researcher, Host of the The Climate Change Hoax Podcast
- Richard Trzupek Chemist and Air Quality Expert

## United States of America continued

- Mark Twaalfhoven  
Executive CEO Technology Companies
- Mark Ulmer  
Esq., Mayor of Miami Shores, Florida, 1999-2001
- Peter Villucci  
MSc. Organic Chemistry, Lifetime science and communications professional
- Arthur Viterito  
PhD, Physical Geography, Policy Adviser to the Heartland Institute
- Dariusz Vogelsinger  
Psychologist
- Brian Volkman  
PhD, Professor of Biochemistry, Medical College of Wisconsin
- Whitson G. Waldo  
Scientist and Engineer with MS Chemical Engineering from Clemson Univ, lifetime career in the semiconductor industry, owner of 13 awarded patents
- William B. Walters  
Guggenheim Fellow, Professor of Atmospheric, Nuclear and Environmental Chemistry, University of Maryland
- James Wanliss  
Professor of Physics, Presbyterian College
- R. Peter Weaver  
lifetime career in energy, energy policy and sustainable operations
- Robert Webster  
More than 65 years of interest in Meteorology and Climatology, Author of "Looking Out the Window", an evidence based defense of CO2 charged with being a climate change force
- Steven E. Weismantel  
Retired Engineer and Climate Researcher
- Isaac William Wells  
Lawyer in International Law and Foreign Affairs
- Dr. Steven C. Wendelken  
EPA, OGWDW/TSC, climate realist
- Gary S. Westerman  
PhD, physical geography with specializations in climate science and remote sensing
- Stephen H. Westing  
PhD, Director Medical Affairs, Regeneron Pharmaceuticals, Inc.
- Jim Whiting  
MD from McGill U, Montreal, Fellow of the American College of Radiology
- Dr. Matthew Wielicki  
PhD in Geochemistry from UCLA, Assistant Professor of Geological Sciences at the University of Alabama
- Chuck F. Wiese  
Professional Meteorologist
- David Williams  
PhD, University Distinguished Professor Emeritus, Oregon State University
- Brock Williams  
PhD, Lifetime research scientist with subjects from molecular to population pathology with a special interest in immunopathology and atopic disease
- Jeff Wilmer  
B.Sc. Physics, Post Undergrad Studies: Atmospheric Physics & Chemistry, Industrial Capitalist and Innovator
- Steven Wilmoth  
Certified Petroleum Geologist
- Kevin Wilson  
PhD in Geological Sciences, Retired, former Professor and Researcher on Plate Tectonics, Paleoclimate and Paleoceanography
- Terry Winters  
PhD in Chemistry, Writer, Member of CO2Coalition
- David Wojcik  
Cognitive Scientist
- Dr. Calvin M. Wolff  
Adjunct Professor University of Houston at Clear Lake, Expertise in Energy Management
- Michael Wood  
BSChE, MBA; former lead technical engineer in development of space station and space launch vehicles
- Peter Wood  
PhD, President, National Association of Scholars
- Gregory R. Wrightstone  
Expert Reviewer IPCC, Geologist, Author, Executive Director CO2 Coalition
- Walter Yarbrough  
PhD, retired from Penn State
- Frank Yates Jr  
Past President of Yates Petroleum Corporation
- Dan Youra  
publisher Youra media, creator and editor of Carbon Tax News
- Ronald B. Zelt  
Hydrologist, retired PH-WQ, U.S. Geological Survey (retired).
- Matthew Ziska  
PhD, Director of Environmental Health and Safety at Elevation Labs
- Hannes Zuercher  
PhD Geophysics, Independent Geophysicist
- Bob Zybach  
Program Manager, Oregon Websites and Watersheds Project Inc.



## 1 SIGNATORY FROM VIETNAM

### 1 Signatory

- Dr. Thi Thuy Van Dinh  
PhD in Law, Master in environmental law, University of Limoges, former official of the UN Secretariat



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