

World Climate Declaration

# THERE IS NO CLIMATE EMERGENCY

**1944 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 1944



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### 5 Signatories

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## 179 SIGNATORIES FROM AUSTRALIA

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Professor Earth Sciences, The University of Melbourne

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- Jeremy Barlow
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- Gordon Batt
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Research Scientist

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industry researcher for many years but recently a high school educator.

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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
- Dr. Joseph Laszlo Szekeres
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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

MSc Physical Chemistry, entrepreneur, activist in civil society

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## 1 SIGNATORY FROM BANGLADESH

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### 1 Signatory

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



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Information Security and Quality Management Auditor in ICT and Aviation, Commercial Pilot, Flight Instructor

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MD, Honorary Professor of Environmental and Industrial Toxicology, Former President of the School of Public Health at the Université Libre de Bruxelles

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

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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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## Brazil continued

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Geographer and Professor of Climatology, Full Professor of the Geography Department at the University of Sao Paulo (USP)
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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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BSc. Doctor of Sciences – USP, MSc. Meteorology – SJSU, expert in environmental engineering
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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
- J. Claude Gobeil  
Retired Research Scientist Environment Canada, Advisor to the Georgian Bay Association
- Douglas Goodman  
MSc Soil Physics, Reclamation and Soil Scientist
- Kenneth B. Gregory  
Professional Engineer registered with the Association of Professional Engineers and Geoscientists of Alberta (APEGA)
- Jean-Francois Guay  
professional agrologist  
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 Saloniis 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



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### 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



## 111 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

### 110 Signatories

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



## 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 Fieux 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
- 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
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PhD philosophy of technics and PhD of practical philosophy
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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
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writer ("Afrika"), developer and author
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Retired CNRS Searcher, Géomorphology, Quaternary Palaeoenvironments, Soil and Desertification Remote Sensing
- Henry Voron  
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- Dr. Ing. Rolf Diederichs  
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- Manfred Hauptreif  
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- Dr. Fleck Helmut  
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- Heinz Hug  
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PhD, professor of evolutionary genomics
- Jörg Jensen  
Dipl.-Ing. Interested and committed to environmental issues
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Chemist, Dr. rer. nat. expert in environmental matters
- Professor Dr. Gerhard Kehrer  
Retired Physician, Internist and Physiologist
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PhD in physics, 20 years experience in academic research and education, condensed matter physics
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Dr. in Geosciences, Free University of Berlin and University of Cologne (Retired), specialized in Climate Change of the Sahara
- Dr. rer. nat Gunter Kümel  
lifetime career in virus research in the natural sciences
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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
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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'
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- Flo Osrainik Bestselling Author & Journalist
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- 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
- Hans Joerg Schmidt Chemical Engineer and Autor of certain books, explaining atmospheric energy exchange and providing arguments against global warming caused by mankind
- 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
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- Lothar Streng strategy and concept developer, full time writing on a large SF project
- Manuel Tacanho founder and president of the Afrindependent Institute



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- Ulrich O. Weber  
Exploration Geophysicist with lifetime interest in Paleoclimate
- Silvio Weeren  
Diplom in Physics, former IBM environmental affairs Germany, former chairs of EMI3 and ECMA TC38
- Thomas Weimer  
Process Engineer (Dr.-Ing.), worked on CO2 capture from atmosphere and during hydrogen generation
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MSc Climate- and Environmental Change (Geography)



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- Dr. Vassilios C. Kelessidis  
former Professor at Khalifa University, Texas A&M at Qatar and Technical University of Crete Greece, Lifetime of Experience in Petroleum Engineering
- Christos J. Kolovos  
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## Greece continued

- Michael Sidiropoulos

Principal Engineer, FortisBC



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### 2 Signatories

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- Christopher Lingle

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

PhD Economics Universidad Francisco Marroquín



## 9 SIGNATORIES FROM HUNGARY

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- Laszlo Szarka

Geophysicist, O.M.

### 8 Signatories

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- 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

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- Dornadula Chandrasekharam
- Vijay Jayaraj
- Prem raj Pushpakaran
- Sanjeev Sabhlok

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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

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- Purwono Wahyudi

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

Entrepreneur and informed climate realist



## 20 SIGNATORIES FROM IRELAND

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- Jim O'Brien

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

## Ireland continued

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- 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
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- 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  
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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  
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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  
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## 7 SIGNATORIES FROM ISRAEL

### 7 Signatories

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- Yakov Itenberg
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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  
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PhD in Physics at the Israel Institute of Technology, Professor of Physics at the Racah Institute at the The Hebrew University of Jerusalem



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Lettore

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Ingegnere idraulico, libero professionista
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Dottore di Ricerca in Antropologia Culturale
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- Peppe Caridi
- Franco Casali  
Professore di Fisica, Università di Bologna e Accademia delle Scienze di Bologna
- Andrea Casini  
Lifetime career in electronic engineering and radiocommunications, patent holder in wideband radio signals transmission over fiber optics, Member of The Climate Reality Project
- Giuseppe Cautero  
MSc in Physics, head of the Instrumentation & Detectors Laboratory, Elettra Synchrotron radiation Source
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Agronomist, specialisation in meteorology
- Giuliano Ceradelli  
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Membro del Comitato Glaciologico Italiano
- Franco di Cesare  
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Relazioni Internazionali, Scienza Politica, Università di Roma La Sapienza

## Italy continued

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- Carlo Colomba  
Chimico, Dirigente Industriale
- Enrico Colombo  
Onorevole, Membro della Camera dei Deputati italiana dal 2018
- Vito Comencini  
Physicist, Istituto Nazionale di Fisica Nucleare (INFN)
- Enrico Conti  
Fotografo e Lettore di Studi sul Clima
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- Rinaldo Genevois  
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- Roberto Graziano  
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- Luciano Lepori Ricercatore IPCF-CNR, Pisa
- Carlo Lombardi Professore di Impianti Nucleari, Politecnico di Milano
- Walter Luini Geometra
- 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
- Vania Mancinelli Geologo, Borsista presso l'Università di Chieti
- Ludovica Manusardi Fisico Nucleare e Giornalista Scientifico, UGIS
- Luigi Marino Geologo, Centro Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza
- Maurizio Marsigli Graduated in Geological Sciences and science author on the Sun and Space Meteorology
- Francesco Martelli 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"
- Maria Massullo Tecnologa, ENEA-Casaccia, Roma
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- Maurizio Montuoro Medico
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- Renzo Mosetti Professore di Oceanografia, Università di Trieste, già Direttore del Dipartimento di Oceanografia, Istituto OGS, Trieste
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- Alessandro Pagano  
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- Corrado Penna  
Docente di Matematica
- 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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founder of the scientific Facebook page of Klima and science (Klima e scienza)
- Benedetto de Vivo  
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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)

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- Junji Yamamoto

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### 1 Signatory

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## 1 SIGNATORY FROM MALTA

### 1 Signatory

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### 5 Signatories

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- Luis Frausto
- Armando Páez
- prof. dr. Rumen Tsonchev
- Victor Manuel Velasco Herrera

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

- Dr. Simon Idris Beshir

Cardiologist, currently involved in Green Project in Kalahari Desert



## 158 SIGNATORIES FROM NETHERLANDS

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- Dr. Kees Lepair

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Physicist, Former CEO Physics & Technology Research Organisations

### 156 Signatories

- Drs. Jan H. Akkerman
- Maarten van An del
- Tjeerd Andringa
- Jan Asselbergs
- Dries Ausems
- René Bakers
- Dr. Thomas W. Bakker
- Nanda Josina Sofia Bakker -Ait Arrami
- Robert Becht
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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

## Netherlands continued

- Jan Bernard Geologist dredging- and offshore industry and Royal Netherlands Navy Reserve (hydrography)
- Drs. A (Toine) J. A. Beukering Bgen (b.d.), Member of the Provincial Council of Zuid Holland, Member of the Senate (Eerste Kamer) of the Dutch Parliament (the States General)
- Jim van Beusekom Retired Captain B747-400 with KLM, 35 years observational knowledge of the Earth's atmosphere
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  - Paul de Groot
  - Lex A. van Gunsteren
  
  - Leo Halvers
  
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  - Maarten Hardon
  
  - Eduard Harinck
  - Drs. Godard Hazen
  
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  - Henri G. Kerkdijk-Otten
  
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  - Arjan Lenoir
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Marine propulsion expert, former director of Corporate Planning and R&D of the Royal Boskalis Westminster Group, former professor of Technology at TU Delft and Erasmus University  
Former Director Billiton Research Arnhem and Former Director Technology Foundation STW  
University Degree in Phonetic Sciences, expert in biomechanics of speech, supporter of plasma cosmology, former wireless communication officer  
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Emeritus Professor of Petroleum Engineering, Delft University of Technology  
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Msc History, University of Nijmegen, Founder and Chairman of Restoring Africa's Wildlife Foundation, Founder and former chairman of True Nature Foundation  
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Author, independent research journalist on energy transition and wind energy.
- Dolf van Wijk  
Formerly AkzoNobel Environmental Research Laboratory and Former Executive Director Cefic-Euro Chlor, Brussels
- Jaap Wijsman  
Mechanical Engineer, active in the offshore industry
- Jan Winkel  
MSc, Chemical Engineering, specialization in Natural Gas Projects, Lifetime Experience in the Geo-Energy Industry
- Theo te Winkel  
Geo Scientist and International Health Care Specialist
- 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



## 26 SIGNATORIES FROM NEW ZEALAND

### 1 WCD Ambassador

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

## New Zealand continued

### 25 Signatories

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



## 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
- 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

## Norway continued

- Stein Sorlie Bergsmark  
Physicist, Former Head of Renewable Energy Studies Program-mes, University of Agder
- Einar R. Bordewich  
multidiscipline Engineering
- Dr. Hans Borge  
Associate Professor in Mathematics, University of Stavanger
- Reidar Borgstrøm  
Professor Emeritus in Fishbiology and Nature Conservation, University of Life Sciences
- Dr. Erik Bye  
Retired Senior Scientist in Physical Chemistry, Crystallography, Chemometrics and Occupational Hygiene
- Ole Henrik Ellestad  
Physical Chemist. Former Research Director and Professor in Petrochemistry at the Centre for Industrial Research and University of Oslo
- Jon Gulbrandsen  
PhD, Biologist, Associate Professor NOFIMA and NOAA (USA)
- Arve Gleissner Gustavsen  
Msc in Cybernetics, Lifelong Experience in Design and Engineering
- Rögnavaldur Hannesson  
Professor Emeritus, Norwegian School of Economics
- Geir Hasnes  
Adjunct Associate Professor, Department of Engineering Cyber-netics, Norwegian University of Science and Technology
- Martin Torvald Hovland  
Geophysical and Geological Advisor, Former Lecturer at Universi-ty of Tromsø
- Ole Humlum  
Professor Emeritus in Physical Geography, University of Oslo
- Morten Jødal†  
Biologist, Former Employee of the Norwegian Research Council and the Centre for the Development and Environment at the University of Oslo. Passed away
- Dr. Ing. Hans Konrad Johnsen  
Emeritus Professor, Chemistry, Bergen University
- Olav Martin Kvalheim  
Professor Emeritus Biology, Norwegian University of Science and Technology
- Arnfinn Langeland  
MS Applied Phycs and electronics, PhD Chemical Physics, Prof Applied Physics (Optics) and Biophysics (spectroscopy)
- Mikael Lindgren  
Professor of Chemistry, University of Bergen
- Willy Nerdal  
Landscape Architect, Researcher for 11 years at the Norwegian Institute for Urban and Regional Research
- Johannes Oraug  
Dr. Eng. and Professor of Technology at UiT The Arctic University of Norway
- Egil Pedersen  
Emertitus Professor in Geology, University of Oslo, Former Direc-tor of Natural History Museum Oslo, Professor at Norwegian University of Science and Technology
- Elen Roaldset  
Master of Chemical Engineering, Norsk Hydro
- Ulf Torgny Rock  
Meteorologist with experience in operational forecasting (1997-2007) from the Norwegian Meteorological Institute.
- Gjertrud Røyland  
Geological Researcher, Trondheim
- Håkon Gunnar Rueslätten  
Associate Professor Emeritus of Geochemistry, University of Oslo
- Tom V. Segalstad  
PhD, Professor in the Dept of Chemistry, University of Bergen
- Einar Sletten  
Professor Emeritus Eco-Toxicology, University of Oslo
- 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
- Herman Bognot  
MA in Philosophy, Assistant Professor, Department of European Languages, University of the Philippines Diliman



## 4 SIGNATORIES FROM POLAND

### 4 Signatories

- Marek Boinski  
Chairman of the National Section of Energy Workers' Union NSZZ

## Poland continued

- Zbigniew Gidzinski
- Jaroslaw Grzesik
- Dominik Kolorz

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



## 10 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

### 9 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
- 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

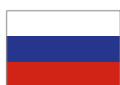
Aggregate Professor of Physical Chemistry, University of Algarve, discoverer of long-range energy transfer in biological systems

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

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 an 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
- Leif Åsbrink
- Sture Åström
- Erik Axelkrans
- Rolf Bergman
- Dr. Lars Bern

Bsc in biology, medical doctor, retired Chief Medical Officer at a battalion of the Swedish Airforce  
PhD, Technology at KTH in Molecular Physics, Stockholm  
MSc, Technology, Professional in Climate Issues, Secretary of the Swedish Network Klimatsans  
MSc in physics and physical oceanography, University of Gothenburg  
Emeritus Professor of Physical Chemistry, Uppsala University  
Member of The Royal Swedish Academy of Sciences, Retired CEO in Incentive AB



## Sweden continued

- Joakim Blomqvist Sr. Design Manager for design and energy solutions within a larger construction company
- Magnus Cederlöf Software Specialist, Stockholm
- Tore Dalväg 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
- 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

## Sweden continued

- Lech Wosinski  
Researcher Emeritus, Associate Professor, Royal Institute of Technology, Stockholm
- Orjan Wrangé  
PhD, Emeritus Professor in molecular Genetics Karolinska Institutet, Stockholm, Sweden



## 22 SIGNATORIES FROM SWITZERLAND

### 22 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 involement 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
- 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
- Ufuk Coscun  
columnist at Milat Newspaper
- Andrew Cullen  
Ph.D Geography



## 2 SIGNATORIES FROM UKRAINE

### 2 Signatories

- Vsevolod Lozitsky  
DrSci, Astronomical Observatory of Taras Shevchenko National University of Kyiv, expert in solar physics, solar activity and magnetic field, and solar-terrestrial connections
- Irina Vasiljeva  
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 PhD, Professional engineer in the energy industry
- Colin Address BSc Physics, MSc Astrophysics, MA (Oxon) Classics & Philosophy, Barrister, Fellow of the Royal Astronomical Society
- Neils C. Arveschoug Geophysicist, Private start-up Oil E&P Company
- Nigel Banks PhD Geology, Petroleum Geologist
- Andrew P. Barker Biological Chemist
- John Anthony Barney Retired Scientist and Technologist
- Nik Bartley Mechanical Engineer
- Nigel Beckwith professional graduate Podiatrist, Post Grad. in Sports Science, Post Grad. in Science Education
- Alan Richard Belk retired Mechanical Engineer with a 40+ year international career in energy, industrial gas and chemical industries
- Roshan Bhunoo Mathematics and Statistics, former Climate Data Analyst at the Meteorological Office
- Paul Binns Former Research Geoscientist and Climate Researcher
- David Blake BSc Applied Chemistry, Chair of East College Group & CME Futures Trader
- David Bodecott Geologist/Geophysicist, Fellow of the Geological Society of London
- Dr. Richard Booth retired Special Merit mathematician in the UK Civil Service
- D.Q. Bowen Emeritus Professor of Earth and Ocean Sciences, Fellow International Union for Quaternary Research, Cardiff University
- Dr Phillip A. W. Bratby Physicist, Member of the Institute of Nuclear Engineers, retired energy consultant
- Michael Brown Expert in Large Scale Thermal Fluid Dynamic Models
- Paul Burgess BSc, MSc, C. Eng (retired) Hydro Climate Specialist
- Derrick Byford BSc (Hons) holder of 10 patents, previously Deputy Director Research & Statistics Inner London Education Authority
- Gerry Byron BSc in Physics, MBA which included modules on statistical analysis
- Peter Cale Solicitor, co founder and fund raiser for wave energy research project as Director of Staithe Energy Products (1988 1995)
- George Carey BSc Hons. Physics and Geology, Lifetime Physics teacher and amateur astronomer
- Brian R. Catt Electrical Engineer, Retired, publishing papers on Energy and Climate Change
- Richard Ceen 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
- 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 Phenomena

## United Kingdom continued

- Robert Davies  
BSc Airline pilot
- Dr Philip George Davies  
Principal Lecturer in the Department of Computing and Informatics at Bournemouth University
- Isabel Davies  
Geophysicist and Entrepreneur
- Dr. Keith P. Dawson  
Environmental and Agricultural Researcher
- Jeremy Dawson  
retired Chartered Engineer with a career in the oil and gas industries
- John Dewey  
Emeritus Professor of Geology at the University College Oxford, Distinguished Emeritus Professor University of California, FGS, Geologist, Initiator Open Letter to the Geological Society of London
- Howard Dewhirst  
BSc Physics, DPhil Nuclear Physics, Former research physicist
- James Dillon  
FGS, Geologist, Former Member Geological Society of London
- Gregor Dixon  
BSc Physics, Senior Project Manager, (and unpaid educator & Climate Scientist)
- Peter Dorey  
Retired Mechanical Engineer in the Oil & Gas industry, Senior Auditor in Management/Facility/HSE
- Timothy (Tim) C. Duckworth  
international earth scientist, energy professional, author
- Dr. Michael Earle  
Retired Senior Lecturer in Biochemistry University of Liverpool, Research area: Protein chemistry, Enzymology, Metabolic Modelling
- Dr. John S. Easterby  
MBA FIET MCMI, Retired Consultant Energy Industry Analyst/ Management Consultant
- Roderick Paul Eaton  
Entrepreneur and Guest Lecturer in Business Management
- Debra Eddy  
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
- Dr. Andrew Edmonds  
Geologist/Oceanographer, Coral Reef Researcher, MSc Petroleum Engineering (Imperial), life-time international experience in developing countries, retired from BG
- Peter Etherington-Smith  
MSc, DIC, Dip. Met, AusIMM, IOM3, SME, Ch.Eng., President Tianshan Jade (UK) Ltd
- Kevin Foo  
BSc, FRAS, Geophysicist with expertise in forward and inverse modelling, stochastic modelling and resolution/scale change impacts
- Ashley Francis  
Project Manager Water and Wastewater Systems
- Sean Galbally  
PhD Aeronautical Engineering, Consultant Professor, 50 Years' experience in R&D in combustion, fuels and energy
- Kalghatgi Gauram  
Geophysicist
- Gil Gilchrist  
Physicist, Ex Chair Institute of Physics Energy Group, Ex London Branch Chair & Fellow of EI
- Peter Gill  
Retired Engineer in South Wales
- Alan Gill  
retired Professor of Radiology, University of the West of England
- Paul R. Goddard  
PhD Ecology, University of Aberdeen, Visiting Professor in the Department of Life and Environmental Sciences, Bournemouth University
- John D. Goss-Custard  
retired geologist, 50 years in oil exploration, production and asset evaluation
- Alastair Gray  
Former airline pilot, and parliamentary candidate for both the UK Independence Party and Brexit Party
- Delphine Gray-Fisk  
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
- Mick Greenway  
retired Unilever Research group leader and scientist, Author of studies of historical climate time series based on modern spectral analysis techniques
- David P. Gregg  
MA. in Natural Sciences, MSc. in Business Studies, Lifetime Career in the UK Chemical Industry, currently Policy Director of the Alliance of British Drivers
- Brian Gregory  
Independent Geological Consultant
- Jimmy Haigh  
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
- Stephen Hardcastle

## United Kingdom continued

- 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
- Robert Heath  
Retired Geophysicist, Honorary member of the Indian Society of Petroleum Geologists
- 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
- Robert Jones  
BSc and PhD Mining Engineering, Director at Warwick Energy
- Stephen Latimer Jones  
BA Chemistry, IT professional
- 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  
CO2 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
- 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

## United Kingdom continued

- Dr. Euan Mearns
  - Krov Menuhin
  
  - Geoffrey Middleton
  - Terence Mordaunt
  
  - Dr. William Morgan
  - Dr. Ian Mortimore
  
  - Philip Mulholland
  
  - Stuart Munro
  - Edward Nealon
  - Alex Nichols
  
  - Blair Nimmo
  
  - Michael John Oates
  
  - Gerard O'Donovan
  
  - Andrew O'Rourke
  - Peter Owen
  - Jonathan R. Partington
  - Dennis Paterson
  - Dr. James Petch
  
  - Peter Phillips
  
  - Graeme Phipps
  - Dr. James Pindell
  
  - Gerry A. Quinn
  
  - Clive Randle
  - Jonathan Charles Read
  
  - Dr. Colin Richard Reeves
  
  - Ceri Reid
  - Chris Rice
  - Steven Andrew Richards
  
  - Michael F. Ridd
  - Philip Risby
  - Anthony Robb
  - Salmaan Saleem
  - Dr. José Sánchez-Morales
  - Richard Saumarez
  - Charles Savage
  
  - Robert M. Schneider
  - Michael Seymour
  - Stephen Silverstein
  
  - Mike Sluman
- retired, freelance consultant, researcher, blogger and author  
Expert on ocean life, underwater filmmaker, professional diver, pilot and writer, explored the Earth's extremities, experiencing the oceans and the atmosphere first-hand  
Chartered Architect, Social Science  
Accomplished businessman, Self taught climate scientist mentored by Professor David Bellamy  
Retired Clinician  
BSc, Phd, MB, BS, FRCP, retired Consultant Respiratory Physician in the NHS with research affiliations to Edinburgh and Newcastle Universities  
Geoscientist, Life time experience in the Geo-Energy Industry, co-author of the DAET climate model  
Exploration Geologist and Geophysicist  
Geologist, Member of the Australian Institute of Mining & Metallurgy  
BSc Geography, MSc Environmental Assessment, 27 years in sustainability consultancy, programmes and projects  
Electronic Engineer, working in Computer Networking and Optical Surface Metrology and Fibre Optics  
Geologist, Lifetime Experience in the Geo-Energy Industry, Fellow of the Geological Society of London  
Entrepreneur, Business Owner, career in building international and multinational organisations  
journalist climate change  
FGS, Fellow of the Geological Society of London  
Emeritus Professor of Mathematics, University of Leeds  
Retired Geologist  
Physical Geographer, formerly Reader in Environmental Science at MMU and Head of Distributed Learning at the University of Manchester  
BSc Hons Mechanical Engineering, lifetime experience in the geo-energy industry  
geologist and geophysicist, Jersey Channel Islands  
Geologist, specialised in plate tectonics and palaeographic evolution, Director of Tectonic Analysis Ltd (UK), Adjunct Professor at Rice University (USA)  
Research Scientist, Ulster University, lifetime career in microbiology, biochemistry and environmentalism  
Geologist, Fellow of the Geological Society of London  
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)  
Emeritus Professor of Operational Research, Expert in Mathematical Modelling  
PhD Electrical and Electronic Engineering, Sonar Specialist  
BEng(Hons) Engineering & Environmental Science  
MSc, Retired Chartered Engineer, Retired Lecturer from Portsmouth University and Southampton Solent University  
Geologist, Fellow of the Geological Society of London  
BSc Engineering, Retired environmental consultant, patent holder  
PhD, Retired Chemist  
Family Medicine Doctor  
Doctor in Geology, analysing paleoclimate cycles and software expert  
Biomedical Engineer from Imperial College  
BA, BSc, MA (Oxon.) in Chemistry, CEO of CP Pharmaceuticals (Retired)  
MSCE, retired Civil Engineer  
Geologist, Fellow of the Geological Society of London  
BSc Graduate of Queen Mary University, London, in chemistry with geology  
Retired teacher with an honours Degree in Environmental Biology



## United Kingdom continued

- Dr. Ian Smith  
MSc Maritime Archaeology, PhD Chemistry  
Environmental Researcher
- Mike Stigwood  
Retired Vice President Operations, BP Exploration, Aberdeen
- Leslie Thomson  
Retired Principal Lecturer in Organisational Analysis and Crisis Management, University of Central Lancashire, Predton
- Edwin Thwaites  
BSc honours degree in chemistry, former research chemist and retired science teacher, currently councillor on New Forest District Council
- Derek Tipp  
retired Associate Member of the Institute of Bankers, Post Graduate Certificate in Business and Management
- David Todd  
PhD in Physics, Senior Computational Scientist
- Paolo Emilio Trevisanutto  
BSc of Science Geophysics, Serial Entrepreneur and Scientific Advisor to APPG for Industrial Hemp
- Mark Tucker  
Retired GP UK
- Neil Upton  
MD, PhD, Professor in Molecular Immunology
- prof. Anton van der Merwe  
Financial professional, strategic consultant on business investments
- Matthew David Waggener  
Emeritus Associate Professor Biological Science, Fellow of the Royal Society of Biology and member of The Anatomical Society
- Dr. Glenn K. Wakley  
Emeritus Professor of Information Systems at the University of Nottingham
- Professor David Wastell  
B.Sc. Physics, Durham University, Retired, Former Higher Scientific Officer Marine Climatology
- Paul White  
Life time Experience in Marine Biology
- Philip Linden Wilkes  
Marine Scientist, Associate of the OxNav Group of Oxford University.
- Jay Willis  
BSc in Metallurgy & Materials Science, Retired Airline Pilot, Patent holder
- Matt Wood  
BSc MSc. Systems Engineer, Energy Policy, Sustainable Development policy.
- Alison Wright  
Professor of Mathematics and Astrophysics, Northumbria University, Newcastle upon Tyne
- Valentina Zharkova  
International communications coach specialised in chaodynamics and NLP LP
- Ivor Zoefitig



## 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
- Lincoln Anderson  
Macroeconomist and Econometric Model Development
- Michael Anderson  
BS Chemical Engineering, PhD Information Science, writes about contemporary American politics, including global warming
- Michael Antonetti  
P.G., Professional geologist for 35+ years in Pennsylvania with Ms in glacial geomorphology
- Anthony J. Armini  
Retired Founder and CEO Implant Sciences Corp.
- Bob Armstrong  
MS, mathematical psychophysics
- Nicholas Ashcraft  
Materials Science and Engineering, Wright State University. Lifetime career in the oil and gas industry
- Dr. Malgorzata Askanas  
Senior R&D Associate at the Aurora Biophysics Research Institute
- Hans-Peter Bähr  
Emeritus Professor of Pharmacology, Canada and Former Dean of Basic Medical Sciences, American University of Barbados, Barbados
- George Baker  
Emeritus Professor, Applied Science, James Madison University

## United States of America continued

- 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
- David Boleneus
- Daniel Botkin
- Dr. Walter Bradley
- Robert L. Bradley jr.
- David Brand
- Donald Bretches
- Dr. William Briggs
- Daniel Brimhall
- 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
- Professional Geologist
- Emeritus Professor of Biology, Climate Researcher, Author of the Book: Twenty-five Myths That Are Destroying the Environment
- PhD, Emeritus Professor Mechanical Engineering, Texas A&M University, Baylor University
- CEO and Founder of the Institute for Energy Research
- PhD Biology, Immunology and Biochemistry Scientist since the early 1990's
- PhD Physical Organic Chemistry
- Alumnus Cornell University, Writer and Philosopher
- MS Extractive Metallurgy, University of Utah, retired Vice President Operations, American Chemet, East Helena, MT, now active as consultant

## United States of America continued

- 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
- 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

## United States of America continued

- 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
- 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

## United States of America continued

- 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
- 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

## United States of America continued

- 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 Gyorog  
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 Scientist Senior 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
- 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



## United States of America continued

- 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
- Robert Kernodle  
independent researcher in public health issues.
- Kevin T. Kilty  
Adjunct Prof. Mechanical Engineering at University of Wyoming
- Fred Kinsley  
Retired Geologist (MSc)
- Kevin Kirchman  
Editor of the Climate Science Journal, more than a decade in renewable energy engineering
- Floyd Lee Knapp  
BSc Portland State University, 300 level Geography and Climatology
- Stephen C. Knowles  
Marine Scientist and Geologist, Beacon, New York
- Kenneth D. Kok  
retired Nuclear Engineer, ASME Fellow, Past Chair of the ASME Nuclear Engineering Division and the ASME Energy Committee
- Mark Konya  
B.S. Ed. Mathematics, B.S. Physics, M.S. Nuclear Engineering, M.A. Physics
- Alex Kozinski  
Retired Judge on the US Court of Appeals
- Wayne P. Kraus  
Member American Institute of Chemical Engineers (AIChE)
- Kirk Laird  
retired Oceanographer and Meteorologist (US Navy), Geologist with US Bureau of Land Management
- Richard Lambert  
Retired Program Director for the Physical Oceanography Program at NSF: Tropical Ocean/Global Atmosphere (TOGA), and World Ocean Circulation Experiment (WOCE).
- Richard Lang  
MSc Geophysics
- Prof. Donald Langmuir  
PhD, Emeritus Professor of Geochemistry, Depts. of Chemistry, Geochemistry, and Environmental Sciences, Colorado School of Mines. Consultant and President of Hydrochem Systems Corp
- Dirk van Leenen  
Doctorate in Horticulture, Author of 5 books latest title: The Nonsense of Global Warming and Climate Change

## United States of America continued

- David R. Legates 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
- Jay Lehr† PhD, Senior Policy Analyst for the International Climate Science Coalition, Former Science Director of the Heartland Institute
- David P. Lentini Chemist and Patent Attorney, New Hampshire
- Dr. David H. Lester PhD in Chemical Engineering, Advisor to allaboutenergy.net
- James M. Leverentz Instructor UCI, Manager, California
- Ulf Lindqwister PhD theoretical particle physics, Princeton University, Business executive with 30+ years of industry experience
- Harry Lins PhD, U.S. Geological Survey (Retired), Past-President, Commission for Hydrology, World Meteorological Organization
- Ramon Lopez PhD, Distinguished Professor of Physics, expert in space physics and space weather modeling,
- Howard R. Lowe Prof. Eng., Geologist
- Ronald J. Lukas BS-Physics, PhD-Biophysics; Founder and CEO, Molecular Matters AZ
- Anthony Lupo PhD Atmospheric Science, Professor of Atmospheric Science, University of Missouri
- Dean Lusby IT professional, business owner, Pennsylvania
- James MacNeal Specialty Gases Chemist
- Frank Madarasz Ph.D. (Ret) Condensed Matter Theoretical Physics
- Michael Maguire Meteorologist/Scientist/Trader at MarketForum
- Jeffrey Mahn Retired Nuclear Engineer Sandia National Laboratories (New Mexico), Member Scientists for Accurate Radiation Information (SARI), Member Nuclear Society (ANS)
- Matt Malkan PhD, Distinguished Professor of Physics and Astronomy, UCLA
- Michael Maller Professor Emeritus of Mathematics, Queens College, CUNY
- John Maney Doctorate in Analytical Chemistry, career in environmental sampling, analysis and data quality
- Wally Manheimer 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”
- Prof. Paul Manner MD FRCS, Joint Replacement/Hip and Knee Arthritis, Department of Orthopaedics and Sports Medicine, University of Washington
- James A. Marsh Emeritus Professor of Immunology, Cornell University, Dept. of Microbiology and Immunology
- David Martinovich General Science Teacher, grades K-12, United States, China, and Belize
- David Matthews BS Meteorology and Oceanography, MS PhD Atmospheric Sciences, Manager, River Systems and Meteorology Group, Bureau of Reclamation, US Department of the Interior (Retired)
- John Mauer PhD in Atomic and Molecular Physics, 20 years experience as a physicist, currently business owner in statistical analysis and software
- Kirk Maxey BS Organic Chemistry, MD, President and Founder of Cayman Chemical Inc
- Donald May BS, PhD Chemistry, Research Fellow. (Retired)
- Andy May Writer and Retired Petrophysicist
- Gene McCall Consultant to the Defense Science Board, Former consultant to the Department of Energy on Issues related to Inertial Fusion
- 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

## United States of America continued

- 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. Michaelst†  
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
- 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

## United States of America continued

- 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
- 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 Unv, Evanston IL related to photosynthesis
- Marius Russo IT expert
- James H. Rust Emeritus Professor of Nuclear Engineering, Georgia Institute of Technology

## United States of America continued

- 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  
retired IT professional
- Harold Grant Scoggins  
PhD, Emeritus Professor of Economics, North Carolina State University
- John Seater  
PhD Systems Science, Modeling and Analysis of Complex Systems
- Mark W. Sellers  
Retired BS Electrical Engineering, Southern Methodist University 1960 Dallas Texas
- Edwin T. Sewall  
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)
- John A. Shanahan  
PhD Applied Science, Retired.  
meteorologist and portfolio manager
- William Sharp  
PhD in Physics at MIT, Chairman, Science & Environmental Policy Project, involved in energy-related research for 45 years
- Roscoe M. Shaw  
Ecologist, USDA-Agricultural Research Service; Editor-in-Chief of the international journal-Rangeland Ecology and Management
- Dr. Thomas P. Sheahen  
MD, MMSc, FACS, Professor of Ophthalmology, Microbiology & Immunology, Eastern Virginia Medical School
- Dr. Roger Sheley  
Meteorologist (CCM) and Atmospheric Researcher
- John D. Sheppard  
Institutional Investor
- John Shewchuk  
Environmental Attorney with a Masters of Law in Environmental Law practicing in the air emissions field
- Stephen W. Shipman  
University of Delaware, Dept. of Physics & Astronomy, specialised in Stellar Astrophysics, Annie Jump Cannon Fellow
- Ryan Shrout  
author, entrepreneur, critical thinker, communicator
- Dr. Matthew Eric Shultz  
PhD in Ethics, Graduate Engineer, 45 years of research science and engineering with patents in geological logging instrumentation and geophysical exploration methodologies
- David Siegel  
Retired, MSc Computer Science, "Angel" Investor with 20 start-ups in 56 countries
- Hal Simeroth  
airline pilot, climate realist, 30+ years of studying AGW data
- Benjamin Slivka  
PhD, PE, Environmental Scientist and Professional Engineer
- Elliot Smith  
Bachelor of Physics, Aircraft test and evaluation engineer
- Robert P. Smith  
Professor of Earth & Planetary Sciences, Astronomer and Planetary & Atmospheric Scientist, involved in the Analysis of the Earth's Climate and Renewable Energy Systems
- Robert J. Smith  
PhD, Retired Professor of Environmental and Sustainability Studies
- Professor William H. Smith  
Independent Scientist
- Nicholas Smith-Sebasto  
PhD, Space Resources, Colorado School of Mines
- Willie Soon  
Senior Scientist & Professor of Physics, University of Rochester, Laboratory for Laser Energetics
- Prof. George Sowers  
MSc in geology, owner of Mine Water Consulting LLC
- Prof. Rick Bernard Spielman
- Robert M. St. Louis

## United States of America continued

- 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
- 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



## United States of America continued

- 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  
Retired Engineer and Climate Researcher
- Steven E. Weismantel  
Lawyer in International Law and Foreign Affairs
- Isaac William Wells  
EPA, OGWDW/TSC, climate realist
- Dr. Steven C. Wendelken  
PhD, physical geography with specializations in climate science and remote sensing
- Gary S. Westerman  
PhD, Director Medical Affairs, Regeneron Pharmaceuticals, Inc.
- Stephen H. Westing  
MD from McGill U, Montreal, Fellow of the American College of Radiology
- Jim Whiting  
PhD in Geochemistry from UCLA, Assistant Professor of Geological Sciences at the University of Alabama
- Dr. Matthew Wielicki  
Professional Meteorologist
- Chuck F. Wiese  
PhD, University Distinguished Professor Emeritus, Oregon State University
- David Williams  
PhD, Lifetime research scientist with subjects from molecular to population pathology with a special interest in immunopathology and atopic disease
- Brock Williams  
B.Sc. Physics, Post Undergrad Studies: Atmospheric Physics & Chemistry, Industrial Capitalist and Innovator
- Jeff Wilmer  
Certified Petroleum Geologist
- Steven Wilmoth  
PhD in Geological Sciences, Retired, former Professor and Researcher on Plate Tectonics, Paleoclimate and Paleoceanography
- Kevin Wilson  
PhD in Chemistry, Writer, Member of CO2Coalition
- Terry Winters  
Cognitive Scientist
- David Wojick  
Adjunct Professor University of Houston at Clear Lake, Expertise in Energy Management
- Dr. Calvin M. Wolff  
BScE, MBA; former lead technical engineer in development of space station and space launch vehicles
- Michael Wood  
PhD, President, National Association of Scholars
- Peter Wood  
Expert Reviewer IPCC, Geologist, Author, Executive Director CO2 Coalition
- Gregory R. Wrightstone  
PhD, retired from Penn State
- Walter Yarbrough  
Past President of Yates Petroleum Corporation
- Frank Yates Jr  
publisher Youra media, creator and editor of Carbon Tax News
- Dan Youra  
Hydrologist, retired PH-WQ, U.S. Geological Survey (retired).
- Ronald B. Zelt  
PhD, Director of Environmental Health and Safety at Elevation Labs
- Matthew Ziska  
PhD Geophysics, Independent Geophysicist
- Hannes Zuercher  
Program Manager, Oregon Websites and Watersheds Project Inc.
- Bob Zybach



## 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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