

World Climate Declaration

# THERE IS NO CLIMATE EMERGENCY

**2037 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:

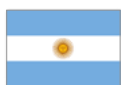
## WCD AMBASSADORS

NOBEL LAUREATE PROFESSOR JOHN F. CLAUSER / USA  
PROFESSOR GUUS BERKHOUT / THE NETHERLANDS  
DR. CORNELIS LE PAIR / THE NETHERLANDS  
PROFESSOR REYNALD DU BERGER / FRENCH SPEAKING CANADA  
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VIV FORBES / AUSTRALIA  
DR. PATRICK MOORE / ENGLISH SPEAKING CANADA  
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PROFESSOR BENOÎT RITTAUD / FRANCE  
DR. THIAGO MAIA / BRAZIL  
PROFESSOR FRITZ VAHRENHOLT / GERMANY  
THE VISCOUNT MONCKTON OF BRENCHELY / UNITED KINGDOM  
DUŠAN BIŽIĆ / CROATIA, BOSNIA AND HERZEGOVINA, SERBIA AND MONTE NEGRO



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# TOTAL SIGNATORIES 2037



## 5 SIGNATORIES FROM ARGENTINA

### 5 Signatories

- Dr. Cristián Antiba
- Mauro Borsella
- Aldo Brandani
- Rosa Compagnucci

Research professor at national universities and educational institutes  
Environmental Consultant & Auditor

Coastal Specialist and Environmental Scientist

PhD in Meteorological Sciences, Climate Researcher, Full-time  
Professor at the University of Buenos Aires and Principal Researcher  
at CONICET

- Sergio Heguilén

MSc, Director of Ecoativo Environmental Consulting, specialized in  
regenerative agriculture and livestock and energy revaluation of  
wastes



## 186 SIGNATORIES FROM AUSTRALIA

### 2 WCD Ambassadors

- Viv Forbes
- Ian Plimer

Geologist with Special Interest in Climate, Founder of [www.carbon-sense.com](http://www.carbon-sense.com), Queensland, Australia

Professor Earth Sciences, The University of Melbourne

### 184 Signatories

- D.Weston Allen
- Don Andersen
- David Archibald
- Rick Armstrong
- Michael Astén
- József Balla
- Stuart Ballantyne
- Dr. Priyanka Bandara
- Jim Bannister
- Jeremy Barlow
- Dr. Colin M. Barton

Physician and Medical Director of Kingscliff Health, New South Wales,  
Author of a number of Climate-related papers

Retired Teacher, Programmer

Research Scientist

retired metallurgist and strategic planner

Retired Professor in Geophysics and Continuing Senior Research  
Fellow at the Monash University, Melbourne

retired teacher and manager of a small business

PhD, Senior Ship Designer, Sea Transport Corp.

PhD, former academic medical researcher operating as a freelance  
researcher in environmental health since 2012.

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

Energy and Mining professional, Director and CEO

Geologist, Retired Civil Engineer with Experience in Project Control,  
Research and Professional Training, Honorary Fellow RMIT University,  
Australia

Director GCB Investments Pty Ltd.

B.Juris.LLB, lifetime experience in law, Retired Magistrate and Coroner

Retired Geologist, Victoria

PhD, Biologist and Environmental Scientist, Educator and University  
Lecturer in Sciences, Biology, Environmental Sciences, Water Quality  
and Water Resource Management

Professional Engineer

Engineer, Member of Parliament, Queensland State Parliament,  
Engineer, Farmer and Entrepreneur

Member Explorers Club of New York, Member of the Australian  
Academy of Forensic Sciences

Organizer of a Critical Climate Group

Exploration Geoscientist, Fellow AusIMM (CP), 50 Years Global  
Experience

- Gordon Batt
- Maxwell C.S. Beck
- Robert M. Bell
- Karen Benn

- Richard Blayden†
- Colin Boyce

- Howard Thomas Brady

- Geoff Brown
- Andrew Browne

## Australia continued

- Frank Brus  
holds a B. Comm from UNSW, spent most of his working life with the Electricity Commission of NSW
- Ernest Buchan  
Chartered Engineer MIET, Kardinya, W. Australia
- Alan Douglas Buerger  
Fellow Australasian Institute of Mining and Metallurgy, Member of Australian Institute of Company Directors
- Mike Bugler  
Retired Environmental Consultant
- Paul Buncle  
Medical Practitioner
- Tony Burns  
PhD in Chemical Engineering
- Paul Callander  
Retired Geologist BSc Melbourne, Extensive experience in energy economics
- Charles Camenzuli  
Structural Engineer specializing in Remedial Work, Catcam Group, Sydney
- Ray Carman  
Organic Chemist, Honorary Fellow University of Queensland
- Dr. Larry Cashion  
PhD in Psychology, Consultant Psychologist, Special interest in cognition and language of climate science
- Peter Champness  
Retired Radiologist
- Andrew E. Chapman  
Expert on Rainfall and Flood Events
- Michael F. Clancy  
Retired Civil Engineer, Brisbane
- Martin Clark  
Expert in Building Design, Planning and Landscaping, Townsville NQ
- Richard Corbett  
Member Royal Australian Chemical Institute, Member of The Clean Air Society of Australia and New Zealand
- Dr. Michael Creech  
lifetime active as Geologist; Dr. Creech informs the public by giving presentations on Climate Change
- Matt Crisanti  
BSc, UniSA, Science Faculty Coordinator at St. Columba College in 2008
- Majorie Curtis  
Retired Geologist, Stratigrapher and Palaeoclimatic Studies, Canberra
- Eric Daniel  
Retired IT Consultant
- Arthur Day  
Earth Scientist, Specialist in Geochemical Modelling of Volcanic Processes
- Dr. Geoff Deacon  
PhD., MSc., BSc (hons), geologist, palaeontologist, advocate for geological truth in Climate Science
- David H. Denham  
lifetime experience as Architect (B Arch), active in giving talks and writing opinion articles on climate change
- Geoff Derrick  
Geologist
- Trish Dewhurst  
Retired Geologist, Queensland
- Bevan Dockery  
BSc (UWA), Grad.Dip.Computing (Curtin U), Exploration Geophysicist in minerals world-wide
- Aert Driessen  
Geologist, Fellow Australian Institute of Geoscientists
- John A. Earthrowl  
Retired Geologist, Brisbane
- Mike Elliott  
Dux of School in Mathematics, Co-Founder of Climate Realists of Five Dock
- Jeremy K. Ellis  
Retired Chairman of BHP, now Chairman of the Saltbush Club in Australia
- Dr. Stephen David English  
PhD in Crop Physiology from University of New England, Retired Agricultural Scientist
- Matthew J. Fagan  
Founder and President of FastCAM Inc.
- Michael Foley  
BSc Microbiology, PhD Biochemistry, Professor of Biochemistry, La Trobe University Australia
- Paul S. Forbes  
Financial Advice Specialist
- Nick Franey  
MSc Mineral Exploration, NJFconsulting Pty Ltd (founder, MD), Director Australian Institute of Geoscientists
- Dr. Rodney Fripp  
Mining Geologist and Chemist by education, lifetime experience in the fields of Mining and Exploration Geology, Analytical Chemistry and Physics of the Earth
- Michael Fry  
PhD, retired Professor, ex Head of School and Dean of IT
- Christopher J.S. Game  
Retired Neurophysiologist
- Robin George  
PhD Geology Geologist and mining company executive, Canterbury
- David Gibson  
Experimental Physicist
- Andrew Gillies  
Geologist

## Australia continued

- Gavin Gillman  
Former Senior Principal Research Scientist with SCIRO Australia, Founding Director of the IITA Ecoregional Research Centre in Cameroon
- Paul R.C. Goard  
BSc Sydney University, Physics & Maths, + Two years geology, one year Chemistry, member of the Australian Meteorological & Oceanographic Society
- Brendan Godwin  
Weather Observations and General Meteorology, Radio (EMR and Radar) Technical Officer; Retired from Bureau of Meteorology
- Hamish Grant  
MR Spectroscopy & Imaging Consultant, Victoria
- Dr. Kesten C. Green  
University of South Australia. Forecasting for public policy; author of "The Scientific Method: A Guide to Finding Useful Knowledge" [thescientificmethod.info](http://thescientificmethod.info)
- Jeffrey R. Grimshaw  
MSc Information Technology, Author of Trigger Warming, Everything You Wanted To Know About Global Warming But Were Afraid To Ask
- Guy Grocott  
MSc Engineering Geology, Retired Consulting Engineering Geologist/Geotechnical Engineer
- Lindsay Hackett  
BSc, Author of the paper "Global Warming Misunderstood" and the paper "The Impact of Greenhouse Gases on Earth's Spectral Radiance"
- Markus O. Haering  
PhD Geologist, Energy geoscientist, Natural resources professional, retired
- Maureen Hanisch  
PhD Biochemistry, Medical Research 1997, Australian National University, Retired
- Erl Happ  
Managing Director at Happs
- John Happs  
Geoscientist, Retired University Lecturer
- Peter J.F. Harris  
Retired Engineer (Electronic), now Climate Researcher
- Paul Leonard Harrison  
Geophysicist with an M.Sc. in Geology and Geophysics, over 45 years experience in research and exploration for the geo-energy industry
- Jarvis Hayman  
Retired Surgeon, Recently retired Archaeologist and Visiting Fellow at the Australian National University
- Mark Henschke  
Retired Geologist in Mining, Oil and Gas
- Frederick Stewart Hespe  
Consulting Civil and Forensic Engineer; Critic of Government Policy on Climate Related Matters
- Gerhard Hofmann  
Geologist and Palaeontologist, Former Director of the Geological Survey of Queensland
- Robert Ian Holmes  
PhD in Climate Science/Mitigation, University Lecturer (retired) and Climate Scientist
- Selwyn Hopley  
MSSSI, Retired Land and Engineering Surveyor
- Antonia Howarth-Wass  
Mathematician, Author on Local Climate Articles
- Geraint Hughes  
Climate Researcher, Mechanical Building Engineer, Climate Researcher
- Douglas Hutchison  
BSc and MSc degrees in geology, consulting geologist in the mining industry, member of the Australian Institute of Geoscientists
- David Hyde  
MEnvSt, Environmental Biology, Former Scientific Chairman of Australian Underwater Federation (NSW)
- Paul Ingram  
Qualified Geologist, Member of the Australian Institute of Mining and Metallurgy, studying Palaeoanthropology and Human Evolution
- Mr. Anthony Jackson  
Bachelor of Arts degree, Bachelor of Laws degree, retired
- Ian Johnson  
Bachelor of Engineering, consultant
- Mike Jonas  
IT consultant, retired, frequent contributor to Watts Up With That?
- Prof. Aynsley Kellow  
Professor emeritus of Government, College of Arts, Law and Education, University of Tasmania
- Alison Kelsey  
PhD, Palaeoclimatologist and Archaeologist, University of Queensland
- Kevin Kemmis  
Climate Researcher, Expert in Information Technology
- Neil Killion  
Occupational Psychologist, author and Chairman and Co-Founder of Climate and Energy Realists Queensland
- Bill Kininmonth  
BSc (UWA), MSc (CSU) M. Admin. (Monash), Former Superintendent of the Bureau of Meteorology National Climate Center
- David Knox  
IT professional, bachelors in business (Uni of South Australia) and a Masters degree in business administration (Charles Sturt University)
- Rosemarie Kryger  
PhD, Biochemistry, Retired, University of Queensland, Brisbane
- Hugh H. Laird  
Retired Tropical Agriculture Executive

## Australia continued

- Peter Laznicka  
retired Professor of Economic Geology, co-founder of Data Metallogenica
- John Leahey  
retired Geologist and Finance Director; with career long interest in the natural resources sector;
- John Leisten  
OBE, Expert in Physical Chemistry
- Brian Levitan  
Worked for NASA, now Technology Consultant to Multinationals
- Ian Levy  
CEO Australian Bauxite Ltd.
- Matthew David Linn  
Fellow of the Institution of Engineers of Australia
- Ian Longley  
Geologist, Bsc (Hons) Petroleum Geologist, Fellow of the Geological Society
- Kevin A. Loughrey  
LtCol(Ret'd) BAppSc, BE Mech(hons), psc, jssc, Grad Dip Strategic Studies
- David Z. Lubowski  
Conjoint Professor in Surgery, University of New South Wales
- Finlay Macritchie  
Professor Emeritus in the Department of Grain Science and Industry at Kansas State University USA
- John Ross May  
Bsc, Adip, Cres., Management of Forests and National parks in Victoria
- Sandy Mcclintock  
BA(Science)TCD, MSc, PhD, Lifetime experience in modeling and data analysis; in retirement, 20 years of interest in climate data analysis
- Ian Andrew Mccoy  
System Engineering Manager - Energy Field Development Projects - Asset & Operations Professional
- Gerard Mcgann  
Technical Director Eon NRG
- Jim Mcgregor-Dawson  
Geologist and informed scientist on the subject of Climate Science
- Rodney Mckellar  
Retired Geologist, Queensland
- John Mclean  
PhD, independent climate data analyst
- Toby Mcleay  
General Medical Practitioner AM, MBBS, FRACGP, FACRRM
- Ross Mcleod  
Retired Environmental Health Officer
- Peter R. Meadows  
Agricultural Scientist
- Paul Messenger  
PhD, Earth Science
- John Michelmore  
Retired Industrial Chemist
- Des Moore†  
Former Deputy Secretary of the Federal Treasury, Founder and Leader of the Institute for Private Enterprise
- Alan Moran  
Contributor and Editor of the Mark Steyn Compilation: "Climate Change, the Facts", Author of Climate Change: "Treaties and Policies in the Trump Era"
- Hugh M. Morgan  
Prominent Australian Mining Executive, Fellow of the Australian Academy of Technology, Science and Engineering (FTSE)
- Peter Murphy  
PhD, Adjunct Professor, Social Sciences, La Trobe University (Melbourne) and the Cairns Institute, James Cook University
- John Edward Nethery  
BSc in Geology, DipEd in Geology, Physics, Chemistry, Biology, Consultant Geologist
- John Nicol†  
PhD, Retired Senior Lecturer Physics and one time Dean of Science, James Cook University, North Queensland
- Vasily Novozhilov  
Honorary Research Professor in Mathematics, Victoria University, Australia
- Paul John O'keeffe  
MB, BS, FRCS, FRACS, Retired Surgeon
- Clifford David Ollier  
DSc, Geologist, Emeritus Professor of Geology and Honorary Research Fellow
- David Parsons  
B.E Mech. FIE Aust CPEng NER, Principal Design Engineer, specialised in boiler design and gas radiation analysis
- M. Louise Petrick  
MSc Applied Science, Materials and Welding Engineer
- Suzana Podreka  
Environmental Scientist
- Alistair Pope  
PSc, CM, Sceptical Scientific Contrarian in the Climate Debate
- Robert Pyper  
Geologist and Director of Minnelex Pty Ltd.
- Tom Quirk  
Nuclear Physicist
- Art Raiche  
PhD, Mathematical Geophysics, Retired CSIRO Chief Research Scientist
- Geoff Rankin  
BVSc (Hons), MVSc, Veterinarian, retired, A long-time interest in Meteorology, Climate, and Geology
- Campbell Rankine  
Barrister and Solicitor
- Peter Ridd  
Oceanographer and Geophysicist
- Tim Riley  
Mining Geologist

## Australia continued

- John Cameron Robertson Author of CO2 Feeds the World and The Climate Change Delusion
- Philip Lance Robinson Chemical Engineer, lifetime experience in the aluminium and steel industry
  
- Nigel Rowlands Retired from Mining and Exploration Industry
- Judy Ryan† Editor Principia Scientific Institution Australia
- George (rob) Ryan Professional Geologist
- Tony Schreck Managing Director, 35 yrs experienced geologist, Member of the Australian Institute of Geoscientists, Member of the Australian Institute of Company Directors
  
- Pasquale Seizis Mechanical Engineer, climate critic
- Geoffrey Sherrington Geoffrey Sherrington, Retired Chief Geochemist, Geopeko Limited
- Jim Simpson Retired after 45 years in the international Telecoms industry - OTC(A), then Telstra. Nowadays Convenor, The Climate & Energy Realists of Five Dock, Sydney Australia
  
- Mark Sloan Earth Scientist
- Case Smit Retired Scientist; co-founder of the Galileo Movement
- Lee Smith University Lecturer in Spatial Technology, Responsible for State Government Precise Monitoring of Sea Level and International Sea Boundaries
  
- Edward Smith Chartered Chemist, member of the Royal Australian Institute of Chemistry (RACI), lifetime of experience in the Pharmaceutical industry
  
- Peter Smith Geologist (Retired), New South Wales
- Mark Sonter MSc(Hons)(Physics - Space Resources), Consultant & Principal, Asteriod Enterprises Pty Ltd at Asteroid Enterprise
  
- Dr. Libor Spacek PhD in Computer Science, Modelling & AI
- Darren Speirs Independent Business Owner, Rangeland NRM Consultants
- Geoffrey Stocker Professor and Head of Department of Forestry, PNG University of Technology, Director of PNG Forest Research Institute
  
- Dr. Nancy Enid Stone BSc (Hons), University of Western Australia (1950), PhD Cantab. (1956), Retired Research Biochemist
  
- John Stone Former Head of the Australian Treasury and Executive Director of both the IMF and the World Bank
  
- Rodney R. Stuart Retired Expert in Energy Industry, Tasmania
- Roger Symons Professional Engineer, Expert in Temperature Control of Industrial Buildings
  
- James Taylor Electrical Aerospace and Astrophysics Engineer, Computer Modelling Researcher
  
- Tony Thomas MA, B.Ec, journalist and author for more than 60 years
- Rustyn Wesley Thomas Retired Aircraft Engineer
- Baki M. Top Senior Agricultural Scientist, Freelance Consultant Agricultural and Food Production & Agribusiness
  
- John W. Turner Science Educator, Noosa Heads
- Ralph J. Tyler Retired Senior Principal Research Chemist, CSIRO, expert in conversion of coal and natural gas to liquid fuel
  
- Peter Tyrer Project Controls Engineer in Mining Industry
- Dr. Julian Vearncombe PhD, Geologist, Fellow Australian Institute of Geoscientists
- Terrence Vincent Security Engineer, Small Business Adviser AIST, ASIAL, SMBE
- John Vucko Electrical Engineer, Nationally Awarded Consultant
- James Walter Medical Doctor
- John Warnock Astro Economist
- Chris Warren Retired Engineer, Design and Construction of Dams and feasibility of Coal Mines
  
- Colleen J. Watts Retired Environmental Scientist with specialization in Aquatic Chemistry and Environmental Consequences of Renewable Energy
- Colleen J. Watts Retired Environmental Scientist with specialization in Aquatic Chemistry and Environmental Consequences of Renewable Energy
  
- Glyn Weatherall Energy Resources Advisor
- Chris Wijns PhD, 30-year career in exploration and solid earth geophysics
- Neil Wilkins Retired Geologist

## Australia continued

- Richard Willoughby
- Lawrence A. Wilson
- Michael Wilson

- P.C. Wilson
- Philip Wood

- Dr Michael Wort

retired electrical engineer with thirty years experience in the Australian mining and mineral processing industry

Professional Chemical Engineer, Melbourne

PhD, DSc, Emeritus Professor, former Executive Dean UWS, Former Chief Research Scientists CSIRO, Low Emissions Transport Fuels Leader

Former Journalist with the A.B.C. Queensland

Qualified Lawyer in four Jurisdictions (Australia, New York, UK and Hong Kong), CEO of two ASX-listed Companies operating in the Mining and Minerals Processing Fields

BSc Geology, MSc Mineral Process Design, PhD Mineral Technology, Geologist interested in impact of high levels of atmospheric CO<sub>2</sub> as trigger for formation of limestone deposits



## 10 SIGNATORIES FROM AUSTRIA

### 10 Signatories

- Dr. Wolf Bertling
- Dr. Ernst Hammel
- 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
- Konrad Falko Wutscher

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

Dipl. Ing., Mechanical Engineer with large experience in business

MD, PhD, Associate Professor at Medical University of Vienna, President of Vienna Medical Association

Doctor of Engineering Sciences, specialist in treatment of water and wastewater



## 1 SIGNATORY FROM BANGLADESH

### 1 Signatory

- Prof. Dr. Aftab Alam Khan

PhD, Active Professor Geological Oceanography, BSMR Maritime University, Retired Professor of Geology and Geophysics of Dhaka University



## 1 SIGNATORY FROM BARBADOS

### 1 Signatory

- Fred Corbin

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



## 42 SIGNATORIES FROM BELGIUM

### 2 WCD Ambassadors

- Henri A. Masson
- Ferdinand Meeus

Professor Emeritus Dynamic System Analysis and Data Mining, University of Antwerp, French speaking Belgium

Retired Dr. Sc (Chemistry, Photophysics, Photochemistry), IPCC expert Reviewer AR6

### 40 Signatories

- Rudy Berkvens
- Eric Blondeel
- retired civil engineer Christian Bouko
- Emiel Van Broekhoven†
- Christophe De Brouwer

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

Retired Civil Engineer

civil engineer specialized in road construction and in river hydraulics

Emeritus Professor of Economics, University of Antwerp

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

## Belgium continued

- Jan-Paul Buijs  
Biologist, Computer scientist, experienced business consultant and change manager, director of two NGOs around awareness for, and protection and restauration of fragile ecosystems  
Brussels Polytechnic, Civil Engineer
- Alexandre G. Clauwaert  
Surgeon, Brussels University (ULB), Professor of Laser Physics at Paris V René Descartes, Specialist in medical Ultrasound.
- Alain Colignon  
Eur. Ing. MSc Electronics-ICT, Network engineer/manager, retired since 2024
- Rudi Creemers  
PhD in Molecular biology and serial entrepreneur  
Former Chemical Process Automation Engineer, Akzo Nobel Chemicals
- Benjamin Damien  
Professor of Energy Geopolitics at the Free University of Brussels
- Ferdinand Engelbeen  
Emeritus Professor of Chemistry, Free University of Brussels and Expert Publicist on Climate Science
- Samuel Furfari  
PhD, Law, Author of several books
- Georges Geuskens  
Civil Engineer Applied Mechanics, Retired lecturer in thermo- and aerodynamics
- Drieu Godefridi  
degree in business administration and economy, retired coach of companies in increasing the effectiveness of their organization
- Jan Goffa  
Science Journalist Specializing in Climate and Energy Transition
- Dr. Volkmar Hierner  
MSc Applied Sciences (civil engineer electromechanics), MSc Nuclear Engineering, Reactor Sciences, experienced conventional electric power expert
- Jan Jacobs  
Retired biology teacher
- Guy Janssen  
Retired Research Director at Lab. Plasma Physics, RMA Brussels and Fellow Lecturer at UMons
- Vincent Kemme  
Publicist on Environmental and Climate Issues
- Raymond Koch  
Retired Meteorologist, Brussels Airport, Author of the Best Seller Astronomical Algorithms
- Rob Lemeire  
Honorary Research Scientist, Honorary Research Director, FNRS, Nuclear Engineering
- Jean Meeus  
Geologist & Geophysicist, Independent Scientist
- Ernest Mund  
“The agronomist-philosopher” (independent researcher), Agronomist (Soil science)
- Bart Ooghe  
Psychologist and Writer
- Luc Opdecamp  
Microcomputed Tomography Scientist, FNRS Senior Research Associate in Chemical Physics
- Jaak Peeters  
Safety & compliance expert
- Eric Perpète  
Civil Engineer and Environmental Engineer
- Wouter Pinxten  
MSc in Energy Science, Retired engineer. Lifetime career in industrial process water treatment and energy projects
- Paul Plissart  
Emeritus hoogleraar, Weer- en Klimaatkunde, KU-Leuven, 1966-2002
- Michel Pollyn  
PhD in Geology, Emeritus Professor at Université Libre de Bruxelles
- Dr. Hugo Poppe  
MSc. Engineering, lifetime career in energy conversion system development
- Alain R. Prétat  
Computer Tomography Scientist, Kontich
- Danie Roettger  
MSc Engineer in Chemistry and Nuclear Physics
- Phil Salmon  
Civil Engineer Retired CEO ‘RESPRO Languages & Consultancy’, Team H2 SALK/ ThinkTank/Engineering
- Paul Scheers  
PhD, Chemistry, Author
- Rémy Sproelants  
Retired Specialist in Space Weather
- Jozef Verhulst  
PhD in Molecular Biology, Free University of Brussels
- Jean Van Vliet  
Senior Development Engineer
- Dr. Marc Wathélet
- Appo Van Der Wiel



## 1 SIGNATORY FROM BOLIVIA

### 1 Signatory

- Ambassador José Brechner  
retired Congressman and Ambassador for the Bolivian Government, Chair of the Foreign Affairs Committee, currently Syndicated Columnist and Senior Political Analyst



## 22 SIGNATORIES FROM BRAZIL

### 1 WCD Ambassador

- Dr. Thiago Maia

Nuclear Physicist, PhD in Astrophysics

### 21 Signatories

- Jorge Luis Balino
- Dr. Peter Brian Bayley
- Jose Nestor Cardoso
- Mario de Carvalho Fontes Neto
- José Bueno Conti†
- Dr. Johnson Delibero Angelo
- Prof. Dr. Ricardo Augusto Felicio
- Richard Jakubazsko
- Dr. George Lentz Cesar Fruehauf
- Agnaldo Martins
- Prof. Luiz Carlos Badicero Molion
- Prof. Marcos José de Oliveira
- Fernando Paiva
- José Carlos Parente de Oliveira
- Paulo Pimenta
- Guilherme Polli Rodrigues
- Adelino de Santi
- Geraldo Luis Saraiva Lino
- Marcello Silva Sader
- Daniela de Souza Onca
- Igor Vaz Maquieira

PhD in Nuclear Engineering, Career in R&D and Education in topics related to Nuclear and Petroleum Engineering

PhD, lifetime experience in Aquatic Ecology and Fisheries, retired from Dep. Fisheries & Wildlife, Oregon State University

Professor on first oceanography course in Latin America, Pioneer on Brazilian expedition to Antarctic, First scientific diver for Brazil from CMAS

Agronomist, Editor of 'The Great Global Warming Swindle'

Geographer and Professor of Climatology, Full Professor of the Geography Department at the University of Sao Paulo (USP)

Master and Ph.D. in Material Science, Industrial Chemist, Emeritus Collaborating Professor of Postgraduate Studies in Mechanical Engineering at UFABC

BSc Meteorology - USP, MSc Antarctic Meteorology and Satellites - INPE, PhD in Climatology - Physical Geography - USP

Executive Editor of Agro DBO Magazine and Co-Author of the Book 'CO2, Warming and Climate Change: Are you kidding us?'

BSc. Doctor of Sciences – USP, MSc. Meteorology – SJSU, expert in environmental engineering

professor and researcher at the Department of Oceanography and Ecology at the Federal University of Espírito Santo

PhD, Retired from National Institute for Space Research (INPE) and Federal University of Alagoas (UFAL). Presently, Climate consultant for agribusiness

Environmental Engineer, Master in Climatology, Author of research articles about climate cycles and natural causes of climate change

PhD Animal Science, Full professor at the Federal University of Mato Grosso do Sul

Physicist, Professor at the Federal Institute of Education, Science and Technology of Ceará (IFCE), Retired Associate Professor of the Federal University of Ceará (UFC)

PhD in Aerospace Engineering, Professor for Solid and Structural Mechanics, University of São Paulo

Geographer, Master in Climatology, Environmental Consultant

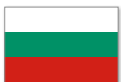
BSc Biology and Ecology, MSc Applied Ecology, Biologist, works with environmental education, licensing, restoration, sustainability management and staff supervision

Geologist, Author of 'How a Natural Phenomenon Was Converted into a False Global Emergency'

Graduated in Veterinary Medicine and Computer Sciences

Professor of the Geography Department of the State University of Santa Catarina (UDESC)

Biologist, Specialist in Environmental Management



## 2 SIGNATORIES FROM BULGARIA

### 2 Signatories

- Ivan Daraktchiev
- Fabrice Toussaint

MSc of Applied Science (Electronics engineering, Chemistry, Physics), Independent Researcher

lifetime of experience in the geo-energy industry, expert in complex numerical modelling



## 150 SIGNATORIES FROM CANADA

### 2 WCD Ambassadors

- Reynald Du Berger
- Patrick Moore

Retired Professor of Geophysics, Université du Québec à Chicoutimi, French Canada  
Ecologist, Chair CO2 Coalition, Co-Founder Green Peace

### 148 Signatories

- Steven Ambler
- John Andersen
- Peter Andreadis
- Dr. Grant Armstrong
- Russ Babcock
- Tim Ball†
- Ron Barmby
- Timothy J. Barrett
- Robert Douglas Bebb
- Callum Beck
- Rick Beingessner
- Jean Du Berger
- Mario Blais
- Alain Bonnier
- Andrew Bonvicini
- Dr. Don Bowen
- Jacques Brassard
- Kevin Burke
- Chris Carr
- Michel Chapdelaine
- Michel Chossudovsky
- Ian Clark
- Henry Clark
- Edmond (ted) Clarke
- Paulo N. Correa

Emeritus Professor, Université du Québec à Montréal, Département des sciences économiques  
BSc, Honours Geology, University of Alberta  
Satellite Systems Engineer  
Leadership development and coaching  
retired biochemist, lifetime experience in the mining and smelting industry with emphasis on pollution abatement  
Emeritus Professor Geography, University of Winnipeg and Advisor of the International Science Coalition  
M.Eng in Engineering with major in Geoscience, Author of 'Sunlight in Climate Change: A Heretic's Guide to Global Climate Hysteria'  
PhD, Geochemical Researcher, Ore Systems Consulting  
Professional Engineer (Mechanical), MBA  
PhD in Religious Studies, Sessional Professor in Religious and University Studies  
BSc, BA and LLB University of Alberta, lifetime experience in the Geo-Energy Industry, recently involved in researching Climate Change Matters  
Ingénieur Retraité, Bell  
Science and Mathematics Teacher  
PhD, Physique, INRS-Centre de Recherche en Énergie, Montréal  
Professional Geophysicist, Former President of Friends of Science Society  
PhD population ecology, Emeritus Research Scientist, Bedford Institute of Oceanography  
Minister of Recreation (1984), Minister of Environment (1994), Minister of Transport and Intergovernmental Affairs of Canada (1996), Minister of Natural Resources and House Leader  
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  
BSc (Hons) Engineering Geology and Geotechnics, retired Geoscientist  
MSc, Géologie, Montréal  
PhD of Economics, Professor of Economics, Emeritus, University of Ottawa  
Professor of Earth and Environmental Sciences, University of Ottawa  
Thermal/Power Engineer  
MSc, Engineering, Member of Friends on Science Society  
Biophysicist and Oncologist, Inventor, Author of numerous books and research papers, Director of Research at Aurora Biophysics Research Institute  
Ingénieur Géologue, Goldminds  
Zoologist and Polar Bear Expert, Former Adjunct Professor University of Victoria  
Technical College, Design Engineering-Mechanical Engineering, President of National Zephyr Research  
former veterinarian, scientific translator, author, and free-lance journalist.  
BSc Pysics and Mathematics, MSc Geoscience, PhD Geophysics and Astrophysics, awards for research on cosmology and fundamental physics.  
Professional Chemical Engineer, President of Friends of Science Society

## Canada continued

- Dr. E. David Day  
BSc, PhD, Chemistry
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Ingénieur Civil Retraité, Université d'Ottawa
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- Claude Duplessis  
BcSc, Géologie, Ingénieur Géologue, Goldminds
- Lee Eddy  
President of Blue Rock
- Craig A. Elliott  
MSc Mechanical Engineering, Design Consultant, President at CA Elliott Inc
- Ashton Embry  
Research Geologist, Embry Holdings
- Christopher Essex  
Emeritus Professor of Mathematics and Emeritus Professor of Physics, University of Western Ontario
- William Everitt  
Certified Engineering Technician (C.E.T.); British MCA 200 Ton Captain's License.
- 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.
- Paul M. Gagnon  
Professional Engineer
- George Gale  
PhD Geology, Mineral Deposit Geoscience
- Thomas P. Gallagher  
Earth Scientists, life-long career in the study of paleoclimate, geology and earth ocean systems, see <https://www.youtube.com/watch?v=pj-lu1i317E>
- J. Claude Gobeil  
BSc, Geology
- Douglas Goodman  
Engineer, life of time experience in the geo-energy industry
- Kenneth B. Gregory  
Retired Engineer, Director Friends of Science Society
- Dr. Jean-Francois Guay  
Regional planner and research professor - Environmental decision system modelling
- Dr. Paul Hamblin  
Retired Research Scientist Environment Canada, Advisor to the Georgian Bay Association
- John Hastie  
MSc Soil Physics, Reclamation and Soil Scientist
- Mark T. Hohm  
P.ENG., Director Friends of Science Society
- R.G. Holtby  
profesional agrologist
- Patrick Hunt  
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)
- Rick Ironside  
Director Fortress ESG, provides specialized expertise to help clients map out their journey to attempt to achieve the goal of net zero by 2050
- Eric Jelinski  
M. Eng. P. Eng., Alumni and Contract Lecturer, University of Toronto, Department of Chemical Engineering and Applied Chemistry, CHE568 Lecturer, Nuclear Plant Engineering
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Associate Professor, Paleontology, Paleoecology, Department of Earth and Environmental Sciences, Mount Royal University, Calgary, Alberta
- Richard T. Jones  
experimental physicist, researched in the field of fission energy
- E. Craig Jowett  
Geologist and Environmental Researcher PhD University of Toronto
- Andre Julien  
MSc Mechanical Engineering, Thermodynamics Expert, over 40 patents published
- Klaus L.E. Kaiser  
Retired Research Scientist, National Water Research Institute, Author of Numerous Press Articles
- Bogdan Kasprzak  
Professional Geoscientist, life time experience in data modelling, data analysing and data interpretation
- Madhav Khandekar  
Expert Reviewer IPCC 2007 AR4 Report

## Canada continued

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- Kees Van Kooten  
Professor of Economics and Canada Research Chair in Environmental Studies and Climate, University of Victoria
- Emil Koteles  
PhD in Solid State Physics, Max Planck Institute in Stuttgart, National Research Council of Canada, visiting professor at Zhejiang University in Hangzhou, retired
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- Sherri Lange  
CEO North American Platform Against Wind Power, Great Lakes Wind Truth
- M.J. Lavigne  
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- Professor Denis Leahy  
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- Dr. Catherine Lebrun  
PhD, Management, HEC Montreal
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PhD, Professeur Retraité en Géologie, Université Laval
- Dick Leppky  
Retired businessman and Independent Truth Seeker
- Richard Lewanski  
BSc (Hons) in Geophysics from the university of Manitoba, Exploration Geophysicist, Founder and CEO of several exploration and production companies in the oil industry
- H. Douglas Lightfoot  
Research Engineer in the Chemical Industry, Co-Founder of the Lightfoot Institute, papers on Alternative Energy and Atmospheric CO2
- Gerald Machnee  
Retired Meteorologist, Environment Canada
- Paul Macrae  
Independent Climate Researcher
- Allan M.R. Macrae  
Retired Engineer
- 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, BSc, 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

## Canada continued

- Gerald Ratzer  
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, Geologue Retraité
- John Robson  
Historian, Journalist, Documentary Filmmaker
- Peter Salenius  
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
- 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"

#### Canada continued

- William Van Wijngaarden
- Kenneth W. Wilson
- Daryl Youck
- Al Zeeper

Professor of Physics, York University  
Professional Engineer (retired)  
MSc, PEng, Oil Sands Pioneer  
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
- Rafael Muñoz Canessa
- Carlos Varea

Civil engineer in hydraulics, Universidad Católica de Chile, Master in hydraulic engineering, Universidad de Santander, Spain  
Part time Academic University of Talca, Economics and strategic management  
Energy Engineer



#### 4 SIGNATORIES FROM CHINA

##### 4 Signatories

- Dr. Robert Hanson
- Guang Bao Liu
- Wyss Yim
- NG Young

PhD, BA (Hons), MA, LL.M, PGCE, CPE, Barrister  
BSc and MSc in Atmospheric Physics, Author of "The Principle of Periodic Changes in Earth's Climate"  
Retired Professor, Dpt of Earth Sciences, University of Hong Kong, Dept Chairman Climate Change Science Implementation Team  
UNESCO year for Planet Earth, Expert Reviewer IPCC AR2  
Principal Geoscientist, Danxiashan Global Geopark of China



#### 2 SIGNATORIES FROM COLOMBIA

##### 2 Signatories

- William Antonio Lozano Rivas
- Felipe Villegas

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



#### 1 SIGNATORY FROM COSTA RICA

##### 1 Signatory

- Eugenio G. Araya

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



#### 2 SIGNATORIES FROM CROATIA

##### 1 WCD Ambassador

- Dušan Bižić

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

##### 1 Signatory

- Zorislav Gerber

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



#### 1 SIGNATORY FROM CYPRUS

##### 1 Signatory

- Darko Krstic

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



## 21 SIGNATORIES FROM CZECH REPUBLIC

### 21 Signatories

- Ladislav Bocak  
PhD, Professor of Entomology, Czech Advanced Technology and Research Institute
- Pavel Dudr  
Ing, Independent publicist and climatologist / Pravy prostor, EP Shark/  
expert in safety of nuclear installation
- Jiri Duspiva  
Agricultural Engineer and graduated in General Biology
- Marek Eiderna  
Head of Department, J. Heyrovsky Institute of Physical Chemistry
- Dr. Otakar Frank  
PhD, teacher of mathematics at Palacky University in Olomouc and a proponent of correct, i.e. Bayesian inference
- Tomas Furst  
statistics and geology. Retired from Norwegian Institute for Bioresearch NIBIO since 2022.
- Ketil Haarstad  
Retired Ambassador, Anthropologist.
- Václav Hubinger  
CSc., Coal Expert, private expert firm
- Pavel Kalenda  
Former President of the Czech Republic, Professor of Economics, Founder of the Václav Klaus Institute
- Václav Klaus  
Lawyer, Writer, Publisher, Founder of thinktanklatam.org
- Peter Kopa  
Professor, Faculty of Agriculture and Technology, Department of Applied Ecology, University of South Bohemia in České Budejovice
- Tomáš Kvítek  
PhD, former Harvard faculty, high energy theoretical physicist, co-author of the 2009 NIPCC report
- Lubos Motl  
PhD, geochemist, also dealing with paleoclimate and the solar energy in Earth crust
- Václav Procházka  
PhD, Freelance Meteorologist and Consultant
- Milan Šálek  
Professor of Internal Medicine at Charles University with speciality in Hemato-Oncology, Prague
- Ivan Spicka  
professor of Applied physics, Faculty of Fisheries and Protection of Waters, University of South Bohemia in České Budějovice
- Dalibor Štys  
PhD, Geology, Managing Partner and Analyst in Commodity Technology Advisory llc
- Gary M. Vasey  
Economist and International Lawyer
- LL.M. Šefrna Vladimír  
PhD., aplied geochemistry, been working on the climate for more than 10 years as a geochemist
- Ing. Miroslav Žáček  
MSc Chemical Engineering, Retired
- Josef Zboril



## 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  
Professor of Physics, Niels Bohr Institute, University of Copenhagen
- Claus Beyer  
Geologist, gen.manager for CB-Magneto, possessing palaeomagnetic laboratory
- Steffen Frederiksen  
MSc Economics, Climate Economics, Cost benefit analysis of CO2
- Dr. Hans Götzsche  
Emeritus Associate Professor, Linguistics and Philosophy of Science, President Nordic Association of Linguists (NAL), Director, Center for Linguistics, Aalborg University
- Frank Hansen  
Emeritus Professor, Department of Mathematics, University of Copenhagen
- Niels Harrit  
PhD, Emeritus Associate Professor of Chemistry, Dept. Chemistry, University of Copenhagen
- Sören Kjærsgaard  
Professional Chemical Engineer
- Johannes Krüger  
Emeritus Professor, Dr. Scient, Department of Geosciences and Natural Resource Management, University of Copenhagen
- Knud Larsen  
PhD, Natural Sciences
- Peter Locht  
Senior Lecturer, Business Academy Aarhus (statistics)

## Denmark continued

- Peter Kjær Poulsen
- Steen Rasmussen
- Niels Schrøder
- Pavel Svennerberg



## 1 SIGNATORY FROM ECUADOR

### 1 Signatory

- Fernando Villon

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

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



## 2 SIGNATORY FROM ESTONIA

### 2 Signatory

- Jaak Henno
- Andres Saukas

PhD, Mathematician, Information Technology

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



## 114 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

### 113 Signatories

- Jean-Charles Abbé
- Pascal Acot
- Bertrand Alliot
- Yacine Amara
- Frédéric Antoine
- Charles Aubourg
- Hervé Azoulay
- Guy Barbey
- Jean-Pierre Bardinnet
- Yorik Baunay
- Bernard Beauzamy
- Serge Bellotto

Former Research Director at CNRS, Labs Director (Strasbourg, Nantes) in Radiochemistry, Expert at NATO and IAEA

Centre National de la Recherche Scientifique, Paris

Environmentalist

PhD of Applied Physics, Professor of Electrical Engineering graduated from Sciences Politiques in France

Full Professor at the University of Pau, Geophysicist

Engineer (CNAM), Specialist of Networks and Systemics, CEO and President of several Associations

Alumnus of Harvard Business School, Retired Investment Banker, Founder and President of 'Climate et Vérité'

Ingénieur ENSEM, Publicist on Climate Issues

Geographer (Master 2) specialized in the natural risk and crisis management, CEO of Ubyrisk Consultants (firm specialized on natural hazard mitigation)

University Professor (Ret.), Chairman and CEO, Société de Calcul Mathématique SA (Paris)

PhD, Geology

## France continued

- Guy Bensimon Retired Associate Professor of Economics at Institute of Political Studies of Grenoble (SciencesPo Grenoble)
- Jean-Claude Bernier Emeritus Professor (University of Strasbourg), Former Director of the Institute of Chemistry of the CNRS
- Pierre Beslu† Former Researcher and Head of Department in the French Nuclear Energy Commission (CEA)
- Michel Bouillet PhD, Human Geography, Emeritus Professor, Former Associate Researcher at the MMSH (Aix-en-Provence)
- Christian Buson PhD, Agronomy, Director of Research in a Company (impact studies in Environmental Issues, Sewage Treatment)
- Jean-Louis Butré Head of Laboratory at Grenoble Nuclear Research Center, President of the Fédération Environnement Durable and the European Platform Against Windfarms
- Emmanuel Camhi Msc in Physics, life time experience in Complex Systems Modeling and Data Analysis in the Aerospace industry
- Bernard Capai Retired Chemistry Engineer, Specialist of Industrial Processes avoiding the use of Carcinogenic Solvents
- John Carr PhD in Physics, Directeur de Recherche CNRS (retired), Particle Physics and Astroparticle Physics
- Patrick de Casanove Doctor of Medicine, Chairman of the Cercle Frédéric Bastiat
- Philippe Catier Medical Doctor
- Vincent Chaplot PhD Soil Science, Senior Research Scientist
- Bruno Chaumontet Engineer ENSEA, specialized in Feedback Systems
- Pascal Chondroyannis Forest Engineer, Retired Director of the National Alpine Botanical Conservatory (2008-2013)
- Jean Michel Colin PhD, Retired Chemist Engineer, Expert for the French Academic Evaluation Agency (AERES)
- Philippe Colomban CNRS Research Emeritus Professor, Former Head of Laboratory at Université Piere-et-Marie Curie, Expert in Hydrogen-based Energy Storage
- Jacques Colombani Former Research Director ORSTOM-IRD, numerous Studies in Hydrology and Climatology and Specialist in Fluid Mechanics, Member of the Board of ORSTOM for twenty years
- Christian Coppe PhD, Organic & Analytical Chemistry
- Philippe Costa Energy Engineer at ENSEM Nancy, specialist in Industrial Process and Energy Saving
- 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

## France continued

- 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
- Denis Geraads PhD, Emeritus Directeur de Recherches, CNRS, Paris. Paleontologist and paleoecologist, specialized in Miocene to Pleistocene mammals.
- 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
- François 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 Famoux Châteaux 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
- René Guéron PhD, Soil Scientist, Institut Agro, Ecological Processes
- 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
- 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'

## France continued

- 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
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- Georges de Sablet Retired Associate Professor at University of Paris Descartes, formerly in charge of Operating Systems and Networks at IUT Paris
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- Michel Thizon Chemical engineer, ACR (Association des Climato-Réalistes, France) member, former researcher at the Ecole Polytechnique, consultant, retired
- David Uzal PhD philosophy of technics and PhD of practical philosophy
- Etienne Vernaz Former Director of Research of CEA (Commissariat à l'Énergie Atomique) in France, Professor at INSTN (Institut National des Sciences et Techniques Nucléaires)
- Camille Veyres Retired Engineer at École des Mines, specialist in Telecommunications and Broadband Networks
- Werner de Ville Vreden writer ("Afrika"), developer and author
- Brigitte van Vliet-Lanoë Geoscientist, Emeritus Research Director (CNRS, Université de Bretagne Occidentale), Stratigraphy and Palaeoenvironments, Quaternary and Holocene

## France continued

- Théa Vogt
- Henry Voron

Retired CNRS Searcher, Géomorphology, Quaternary  
Palaeoenvironments, Soil and Desertification Remote Sensing  
Retired Civil Chief Engineer, specialized in Water Management



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### 1 WCD Ambassador

- Fritz Vahrenholt

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

### 123 Signatories

- Detlef Ahlborn
- Prof. Dr. Peter Altmiks
- Patrick A. Baeuerle
- Hans-Jörgen Bandelt
- Dietrich Bannert
- Graham George Baumber

PhD, Expert on German Energy Transition (Energiewende)  
Professor of Economics, FOM Hochschule für Oekonomie und  
Management Hannover  
Serial entrepreneur, co-founder of eight biopharmaceutical companies,  
cancer drug developer, inventor, molecular biologist, and a member of  
the CO2 Coalition

- Dr. Lars Birlenbach
- Michael Bockisch
- Thomas Bode
- Klaus-Dieter Böhme
- Thomas Brey
- Stephan Bujnoch

Emeritus Professor of Mathematics, University of Hamburg  
Professor Honoris Causa, University of Marburg  
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investor

- Martin Bülow

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Emeritus Professor Chemistry at the Technical University of Berlin  
Spezialist Elektronik  
Dipl. Physicist, professional experience in X-ray spectroscopy  
PhD in Natural Sciences (Dr. rer. nat), Marine Ecological Researcher  
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Emeritus Professor of Physical Chemistry at the Leibniz Sozität der  
Wissenschaften zu Berlin, e.V.

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- Dr. Arthur Chudy
- Dr. Günter Dedié
- Prof. Dr. Hans Demanowski

Geoscientist  
Prof. (i.R.) Dr.rer.nat , Physics of New Materials, University of Rostock  
Agricultural Chemist, OT Warsaw  
Dipl. Physiker

- Dr. Joachim Dengler

Engineer, Professor of Packaging Technology, BHT, Berlin, expert in  
Counterfeit Protection, holder of several Patents in this field  
Physicist retired, PhD, patent holder in fingerprint analysis, work on  
relation between CO2 emissions and concentration

- Dr. Ing. Rolf Diederichs
- Prof. Dr. Klaus D. Döhler†
- Wolf Doleys
- Joerg Dornemann
- Jörg Eichner
- Friedrich-Karl Ewert
- Ludwig E. Feinendegen
- Dr. Dieter Freundlieb

Studie Eisenhüttenkunde in Clausthal-Zellerfeld, climate realist  
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Retired teacher (high school, college) and writer (essay, poetry, novel)  
Msc in Geology, lifetime career in the Geo-Energy Industry  
Specialist in situational awareness in crises and risk management  
Emeritus Professor Geology, University of Paderborn  
Emeritus Professor Medicine  
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- Gerhard Gerlich†
- Axel Robert Göhring
- Dr. Klaus-Jürgen Goldmann
- Dr. Christian Habermann
- Dr. Uwe Häcker
- Eberhard Happe
- Hermann Harde

Emeritus Professor of Mathematical Physics, TU Braunschweig  
Doctor of Natural Sciences, EIKE e.V.  
worldwide experienced petroleum geologist

- Prof. Dr. Bernd Hartke

Dr. in Economics, Investment Manager  
Pysicist/IT Specialist

- Manfred Hauptreif
- Dr. Fleck Helmut

Eisenbahningenieur  
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Helmut Schmidt-University, Hamburg  
Professor in Theoretical Chemistry, Expert Knowledge in Computer  
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Natural Scientist  
langjährige berufliche Tätigkeit als Projektkoordinator in einer  
Großforschungseinrichtung

## Germany continued

- Dennis J. Hendricks  
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- Dietmar Hildebrand  
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- Dr. Andreas Hoppe  
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- Heinz Hug  
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- Hartmut Hüne  
Author at Eike-klima-energie.eu, Studie über Sonnenwind u Protonen auf das Dipolmagnetfeld mit Nachweis der Zunahme der Sonnenscheinstunden
- Prof. Axel Janke  
PhD, professor of evolutionary genomics
- Jörg Jensen  
Dipl.-Ing. Interested and committed to environmental issues
- André Karutz  
Chemist, Dr. rer. nat. expert in environmental matters
- Professor Dr. Gerhard Kehrer  
Retired Physician, Internist and Physiologist
- Dr. Udo Kienle  
Agricultural Scientist at University of Hohenheim
- Werner Kirstein  
Emeritus Professor of Climatology, University of Leipzig
- Prof. Dr. Knut Kleesiek  
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PhD in Economics and Organizational Science
- Dr. Torsten Kreer  
PhD in physics, 20 years experience in academic research and education, condensed matter physics
- Stefan Kröpelin  
Dr. in Geosciences, Free University of Berlin and University of Cologne (Retired), specialized in Climate Change of the Sahara
- Dr. rer. nat. Gunther Kümel  
lifetime career in virus research in the natural sciences
- Max Kupillas  
Dipl.-Ing. Masch.-Bau, retired Prod.Ltr.
- Ulrich Kutschera  
Professor of Plant Physiology & Evolutionary Biology at the University of Kassel and Visiting Scientist in Stanford USA
- Jobst Landgrebe  
Scientist and Entrepreneur specialised in Artificial Intelligence and Theory of Science
- Wolfgang Laub  
Physics (J.W.Goethe University, 1977-1986), Medicine (Physiology-Biomechanics, Max-Planck Institute, 1980-1986), patent holder in different areas
- Michael Limburg  
Vice-President EIKE (Europäisches Institute für Klima und Energie)
- Martin Lindner  
PhD in Chemistry, Dipl. in Chemistry, President of the Bürger für Technik
- Dr. rer. nat. Rolf Lindner  
Chemist
- Dr. Alf Loeffler  
PhD in Theoretical Physics
- Prof. Dr. Kai Van De Loo  
Dr. rer. oec. Honorarprofessor der THGA und Senior Consultant im Forschungszentrum Nachbergbau
- Dr. Stephan Lorenzen  
PhD Theoretical Biology, Bioinformatician, worked with nonlinear modelling
- Rolf Loschek  
Ph.D. in Physics with a focus on Geophysics, Astrophysics and Biophysics. Consultant since 2011, currently working in Management of Research Institutions
- Professor Dr. Knut Löschke  
studied crystallography, chemistry, physics, mathematics and computer science. Honorary professor at the University of Leipzig, dealt with the energy industry and climate change
- Horst-Joachim Lüdecke  
Professor of Operations Research (i.R.) HTW of Saarland, Saarbrücken
- Hermann Luyken  
MSc Chemical Engineering
- Wolfgang Merbach  
Professor Dr. Agrar. Habil. at Institut für Agrar Ernährungswissenschaften
- Prof. Lothar W. Meyer  
Emeritus Professor of Material Engineering, Chemnitz University of Technology, Saxony Entrepreneur 'Nordmetall GmbH', Member of the Board of 'Vernunftkraft Niedersachsen'
- Prof. Dr. med. Marcus Moller  
University Professor of translational Nephrology, RWTH Aachen University, Germany
- Jens Möller  
graduate economist, climate realist

## Germany continued

- Wolfgang Monninger PhD, lifetime career in Petroleum Geology (Exploration, Petrophysics)
- Klaus Morawetz PhD Physics, Professor in Theoretical Physics, Quantum Kinetic Theory, Quantum Statistics
- Werner Mormann Emeritus Professor of Macromolecular Chemistry, Universität Siegen
- Dipl. Phys. Raimund Müller education in physics and thermodynamics, climate realist
- Holger Neulen retired mechanical engineer
- Prof. Dr.rer.nat Dr.med Peter Nielsen retired Biochemist and Physician from the Universital Hospital Hamburg-Eppendorf, medical faculty of the University of Hamburg
- Rainer Olzem Diplom-Geologe, Aachen
- Flo Osrainik Bestselling Author & Journalist
- Hans Penner PhD, Dipl.-Chem. Dr. rer. nat., Linkenheim-Hochstetten
- Lutz Peters Businessman with intensive experience as investor in carbon chemistry
- Dr. Dr. Wätzold Plaum Physicist and YouTuber
- Michael Principato MSc. in Electrical Engineering, specialised in control engineering and modeling
- Dieter Ramcke retired geophysicist
- Siegfried Reiprich Dipl.-Ing, Geoscientist and Oceanography
- Mathias Ricking Dr. rer.nat Geoscience, Environmental Geoscientist
- Andreas Salzman Dr. rer. nat. , Diplom Chemiker
- Prof. Dr. Dieter Schildknecht Professor of theoretical Physics, University of Bielefeld
- Dr. Hendrik Schlesing Environmental Expert and Consultant
- Christoph Schmidt MSc Mathematics, JWG-University Frankfurt
- 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
- Dr.-Ing. Stefan Schmidt Senior Numerical Modeller of Unsteady Turbulent Flows
- 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
- Dipl. Psych. Ulrike Schwan Professional psychotherapist, psychotherapist look at the IPCC organization
- W.H. Eugen Schwartz Emeritus Professor of Theoretical Chemistry, Universitaet Siegen
- Dr.-Ing. Christian Singewald Dipl.-Geologist, PhD Mining Engineering
- Attila Sonal Dipl.-Ing. der Elektrotechnik, Retired am Technischen Universität Kaiserslautern, Stadtratsmitglied Kaiserslautern, Preisträger Ansaldo Ricerche Price
- Dr. Fritz Sontheimer Retired Physicist, PhD in Condensed Matter Physics
- Dr. Gerhard Stehlik PhD Natural Science Physico-Chemiste
- Dr. Wolfgang Strehlau Phys. Chemist, Technology Fellow in Johnson Matthey Plc, UK
- Lothar Strenge strategy and concept developer; full time writing on a large SF project
- Manuel Tacanho founder and president of the Afrindependent Institute
- Matthias Thiermann Parliamentary adviser in the Bavarian Parliament
- Dr. Holger Thuss President EIKE Institute
- Dr. Martin Treiber PhD in Physics, Professorship of Econometrics and Statistics
- Jost Trier PhD, Retired Experimental Physicist at the Federal Institute in Braunschweig, Dept. of Atomic Physics
- Ralf D. Tscheuschner† PhD in Physics
- Dr. Stefan Uhlig Geologist
- Helmut Waniczek Dr. Dipl. Ing., Scientist, working 40 years in chemical industry
- 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

## Germany continued

- Thomas Weimer
- Toon Weisenborn
- Carl-Otto Weiss
- Roland Wiesendanger
- Dr. Peter Willingmann
- Lutz Wimmer

Process Engineer (Dr.-Ing.), worked on CO<sub>2</sub> capture from atmosphere and during hydrogen generation

PhD in Theoretical Physics, Emeritus scientist

Emeritus Professor in Non-linear Physics, Advisor to the European Institute for Climate and Energy, Former President of the German Meteorological Institute, Braunschweig

Professor of Experimental Physics, University of Hamburg, Germany

Dr. rer.nat

MSc Climate- and Environmental Change (Geography)



## 27 SIGNATORIES FROM GREECE

### 1 WCD Ambassador

- Dr. G.-Fivos Sargentis

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

### 26 Signatories

- Prof. Dr. Stavros Alexandris
- Dr. Andreas Angelakis
- Ioannis Benekos
- Dr. Konstantinos Chartzoulakis
- Michalis Chiotinis
- Prof. Dimitrios Christakis
- Antonis Christofides
- Dionysis Drosos
- Costas Fasseas
- Anthony Foscolos†
- Chris Fytas
- Christos D. Georgiou
- Dr. Nikolaos Katsoulakos
- Dr. Vassilios C. Kelessidis
- Dr. Christos J. Kolovos
- Emmanouil Kopanakis
- Prof. Demetris Koutsoyiannis
- Aristotelis Liakatas
- George Maglaras

Former Professor of Agricultural Meteorology at the Agricultural University of Athens, Dept. of Natural Resources & Agricultural Engineering

PhD in Soil Physics, Researcher in Water Science and Technology

PhD in Civil and Environmental Engineering, Senior Researcher, Head of the Laboratory on Risk Management and Resilience at the Centre for Research and Technology Hellas

Ex Director of Olive Tree & Subtropical Plants, Head of Irrigation Dept.

Architect Engineer NTUA, PhD Candidate, Department of Water Resources and Environmental Engineering, National Technical University of Athens

Emeritus Professor, Power Systems Synthesis Lab. Hellenic Mediterranean University

PhD, Senior developer with decades-long research activity on the Climate

Emeritus Professor of Moral and Political Philosophy, Aristotle University of Thessaloniki

Emeritus Professor of Plant Anatomy & Electron Microscopy, Department of Crop Science, Agricultural University of Athens

Emeritus Professor of Mineral Resources at the Technical University of Crete, Energy Consultant for the United Nations Development Program (UNDP)

PhD, MSc in Chemistry, Chemist, Lyophilization Scientist

MSc (with Honors) in Biochemistry, PhD in Biology-Biochemistry, Emeritus Professor of Biochemistry

Current: Associate Professor; School of Marine Engineers, Aspropyrgos Merchant Marine Academy; Research and Teaching Associate, National Technical University of Athens. Past: Postdoctoral fellow, National Technical University of Athens

PhD in Chem. Engineering, former Professor of Petr. Engineering at, Khalifa University Abu-Dhabi, Texas A&M at Qatar, Technical University of Crete Greece

Independent Energy Consultant, Mining & Metallurgy Engineer, Former Director of Mine Planning & Contractor Works Dept., PPC SA/ WMLC, ck-energy.blogspot.com

Mechanical Engineer, Teacher at the Environmental Education Center of Karpenisi Germany continued

Professor Emeritus of Hydrology and Analysis of Hydrosystems at the National Technical University of Athens

Emeritus Professor of the Agricultural University of Athens on Agrometeorology, Member of the Greek Agricultural Academy

Associate Director in Bioresources and Waste Management in multinational multidisciplinary engineering consultancy

## Greece continued

- Prof. Dr. Nikolaos Malamos
- Prof. Nikos Mamassis
- Charilaos Markopoulos
- Spyridon Nikiforos
- Dr Miltiadis Nimfopoulos
- Sonia Perez†
- Michael Sidiropoulos

Associate Professor of Soil Hydrology and Drainage, Department of Natural Resources Development and Agricultural Engineering, Agricultural University of Athens

Professor of Engineering Hydrology and Hydrometeorology at the National Technical University of Athens

MSc in Waste Management

Economist, MBA

PhD in Earth, Atmospheric and Environmental Sciences, lifetime career in Applied and Environmental Geochemistry

PhD, Biology/Immunology, Scientific Coordinator Cancer Immunology and Immunotherapy Center Saint Savas Cancer Hospital, Athens

Principal Engineer, FortisBC



## 2 SIGNATORIES FROM GUATEMALA

### 2 Signatories

- Jorge Chapas
- Christopher Lingle

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

PhD Economics Universidad Francisco Marroquín



## 9 SIGNATORIES FROM HUNGARY

### 1 WCD Ambassador

- Laszlo Szarka

Geophysicist, O.M.

### 8 Signatories

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

retired professor of philosophy at the University of Szeged

lifelong experience in gas-chromatography

PhD, Retired R&D Electrical Engineering

PhD Geography, Independent Researcher based in Budapest

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

Senior Professor of Ecology and Environment Protection at University of Pecs

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

Professor Emeritus, College Professor Dennis Gabor College Department of Economics and Engineering



## 1 SIGNATORY FROM ICELAND

### 1 Signatory

- Dr. Helgi Tomasson

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



## 5 SIGNATORIES FROM INDIA

### 5 Signatories

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

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

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

Research Associate at CO2 Coalition, Contributor to Cornwall Alliance

PhD in BioTechnology, Professor

Economist with focus on Climate and Energy Policy



## 2 SIGNATORIES FROM INDONESIA

### 2 Signatories

- Dr. Dr Paul D Giammalvo
- Purwono Wahyudi

PhD, CDT, CCE (#1240), MScPM, MRICS, Senior Technical Advisor, retired  
Entrepreneur and informed climate realist



## 20 SIGNATORIES FROM IRELAND

### 1 WCD Ambassador

- Jim O'Brien

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

### 19 Signatories

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

Electrical Engineer, Specialist in Power System Security  
PhD Psychology, Consultant Clinical Psychologist working in private practice in Dublin  
Physical Chemist specializing in Electrochemistry and Thermodynamics  
MA (Cambridge), MBA (Harvard), Resource Company Director  
BAgricSc, Specialist in Genetics  
Former Science Advisor, Department of Energy and Climate Change, U.K., Former Environmental Affairs Officer, United Nations Environment Division, Geneva, Switzerland  
BSc (Hons) Chemistry, Industry Science Professional  
electrical engineer, retired food industry research scientist  
Business Founder and Entrepreneur, MBA, DBA  
MSc, MPhil, Senior International Environmental Consultant  
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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, FICHEM, PPSE, CEnv, MIEA, Challenger of Over-Reach in Environmental Legislation  
Business Entrepreneur, Former Technical Director, CRH plc  
BAgricSc, MA, Animal Nutritionist



## 8 SIGNATORIES FROM ISRAEL

### 8 Signatories

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- Uriel Cohen
- Prof. Yonatan Dubi
- Yakov Itenberg
- Micha Klein
- Avner Niv
- Nir J. Shaviv

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MSc in Computer Science from Technion - Israel Institute of Technology  
PhD, Professor of Theoretical Physics and Chemistry at Ben-Gurion University, co-founder of the Israeli Forum For Rational Environmentalism  
BSc of Meteorology and Climatology, MSc of Physics Education, 25 years reserve meteorological officer of Israeli Defense Forces Home Front Command  
PhD, Emeritus Professor, The Department of Geography and Environmental Studies  
PhD of Solid State Physics, Research scholarship awarded by Ministry of National Infrastructures, Energy and Water Resources. Industrial multidisciplinary experimental researcher  
PhD in Physics at the Israel Institute of Technology, Professor of Physics at the Racah Institute at the The Hebrew University of Jerusalem

- Yehoshua Socol

PhD, Multi-Disciplinary Physicist and Public Health Researcher



## 214 SIGNATORIES FROM ITALY

### 1 WCD Ambassador

- Alberto Prestininzi

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

### 213 Signatories

- Pietro Agostini
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- Achille Balduzzi
- Antonio Ballarin
- Donato Barone
- Sergio Bartalucci
- Giuseppe Basini
- Francesco Battaglia
- Marco Benini
- Eliseo Bertolasi
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- Alessandro Bettini
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- Luciano Biasini
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- Peppe Caridi

Ingegnere, Associazione Scienziati e Tecnologi per la Ricerca Italiana  
Nuclear Engineer, Consultant in Power Plants, Cogeneration end District Heating

Medieval historian, PhD on the muludisciplinary approach to archeological excavation.

Lettore

Geologo, Agip-Eni

Fisico, "Chief Artificial Intelligence Officer" della Pubblica amministrazione

Ingegnere

Fisico, Presidente Associazione Scienziati e Tecnologi per la Ricerca Italiana

Astrofisico, Deputato, Già dirigente di ricerca dell'INFN

Professore di Chimica Fisica, Università di Modena, Movimento Galileo 2001

Ingegnere idraulico, libero professionista

Dottore di Ricerca in Antropologia Culturale

Ingegnere, già Dirigente Industriale, ALDAI

Professore Emerito (Fisica) Università di Padova

Professore di Astronomia, Università di Padova

Emeritus Professor of Numerical and Graphic Calculations, Director of the Faculty of Mathematical, Physical and Natural Sciences of the University of Ferrara

PhD, M.D., is Professor of Clinical Pathology in the Department of Experimental Medicine at University Sapienza, Rome

Professore Emerito (Fisica) e già Rettore dell'Università di Firenze; già Presidente della Conferenza dei Rettori delle Università Italiane

Dottore Commercialista

Ex Direttore dell'Istituto di Fisica dello Spazio Interplanetario (IFSI) dell'Istituto Nazionale Astrofisica (INAF)

Insegnante in Pensione

Ingegnere

Professional Engineer with 27 experience in applied thermodynamics in oil and gas

Professore di Geologia Applicata, Università di Roma La Sapienza, Direttore del Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI)

Professore di Sedimentologia, Università di Trieste, Responsabile Progetto Paleoclima-mare del PNRA, già Presidente Commissione Nazionale di Oceanografia

Geologo

Professore di Geomorfologia, Università di Chieti-Pescara

Professore di Geologia Applicata, Università di Napoli

Ingegnere, Ricercatore, Consulente

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Lifetime career in electronic engineering and radiocommunications, patent holder in wideband radio signals transmission over fiber optics, Member of The Climate Reality Project
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Member of the C.I.R.N (Italian Nuclear Relaunch Committee) and of the "Atoms for peace" association, former employee of a Radiological Medical Center. Currently in the IT sector
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Geologo Agip-Eni
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MSc in Geology, former first researcher CNR IGAG, retired  
Geologo, Dirigente Protezione Civile Regione Lombardia  
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- Jan Horstink  
Earth Scientist, Exploration Projects Oil & Gas ME & FE
- A. Huijser  
Physicist and Former CTO Royal Philips Electronics
- Jan De Jager  
emeritus professor Geology (VU University Amsterdam, University of Utrecht)
- Jan De Jong  
former director Sampo Industrial Insurance NV. Benelux and Electrorisk Verzekeringsmaatschappij N.V.
- Jan J.C. De Jong  
Msc Process Engineering TU Delft, expert in energy-and thermal process engineering, lifetime career in the oil and gas industry
- Wouter Keller  
Emeritus Professor of Statistical Methods, Former Member Board of Directors, Central Bureau of Statistics (CBS)
- Jacques Van Kerchove  
Economist and Marketeer, Former CFO Rabobank, now Climate and Environment Researcher
- Henri G. Kerkdijk-Otten  
Msc History, University of Nijmegen, Founder and Chairman of Restoring Africa's Wildlife Foundation, Founder and former chairman of True Nature Foundation
- Rob De Kok  
Principal Geophysicist, researching Influence of CO2 on Atmospheric Temperatures
- Hans Kolmschate  
Chemical Engineer, University of Twente
- Henk De Koning  
MSc, former Principal Management Consultant Atos Consulting with specialisation Logistics, IT and Information Security
- Rob Kouffeld†  
Emeritus Professor of Energy Conversion, Delft University of Technology
- Hans H.J. Labohm  
Former Expert Reviewer IPCC
- Prof. dr. Cornelis A. De Lange  
Emeritus Professor of Atmospheric Chemistry and Physics, and Complex Modelling, Former Senator in the Dutch Senate
- Arjan Lenoir  
MSc Industrial Sciences
- Christopher Lingle  
PhD Economics Universidad Francisco Marroquín
- Dr. ir. B.G. Linsen  
Former Director Unilever Research Vlaardingen
- Jaap M. Van Luijk  
Msc. Petroleum Engineering, lifetime experience in the international geo-energy industry
- PROF. DR. Pieter Lukkes†  
Emeritus Professor of Economic and Human Geography, University of Groningen
- Ronald Luttikhuisen  
Studied Physical Geography, retired economist and statistician
- Hugo Matthijssen  
Former Teacher Meteorology, now Publicist on Climate Matters
- Leo D. Minnigh  
PhD, retired scientist in structural geology, lecturer/speaker for non-professionals
- Dr. Rob Mooij  
PhD in Nuclear Physics at University of Utrecht, MS Computer Science at Drexel University, Philadelphia, Retired as Medical Physicist from University of Pennsylvania
- Ir. J.M. Mulderink  
Former General Director Akzo-Nobel
- Rob Nijssen  
Radar Engineer and Publicist on Climate Matters
- Rutger Van Den Noort  
PhD, advisor in Innovation Processes, CEO Newcalf
- Ir. Kees Van Onselen  
Developer, Marketeer and Business Intelligence Manager at Medical Supply Companies. Retired.
- Ir. Peter Oosterling  
Former Scientist E & P Shell, now active as Climate Researcher
- Daan Osinga  
Geologist
- Ir. Kees Pieters  
Mathematician, Former Operational Research and ICT manager at Shell
- Robert J. Van Der Plas  
MSc Applied Physics, MSc Development Studies, Sustainable Energy Management and Development Specialist

## Netherlands continued

- Reynier Pronk  
Former IT Manager, Accredited Project Management Consultant and Trainer
- Paul Ras  
Msc Geophysics TU Delft, Geophysical Consultant, climate realist
- Ir. B. Peter Rauwerda  
Msc in nuclear engineering, TU Delft
- Louis M.P.T. Van Den Reek  
PharmD, Member of 'De Groene Rekenkamer'
- Jan C. Reinoud  
retired CEO Dutch chain of Supermarkets
- A.G. Reitsma  
MSc in Social technology, planned change (University of Groningen 1978) Social Technician
- Kees Remi  
Electrical Engineer, lifetime experience in Energy Distribution and Industrial Automation
- George T. Robillard  
Emeritus Professor of Biochemistry and Biophysics
- Jaap Romijn  
Msc in Civil Engineering TU Delft, lifetime experience in water management projects
- Kees Roos  
Emeritus Professor of Optimization Technology, Delft University of Technology
- Albertus F. Rooze  
MSc in Chemistry, mathematics and natural sciences, retired
- Robert Sambell  
PhD, Physics, Professional Geophysicist
- Rutger Van Santen  
Emeritus Professor of Anorganic Chemistry and Catalysis, Former Rector Magnificus, Eindhoven University
- Don Schäfer  
Former Director Shell Exploration & Production and New Business, Shell
- Juleon Schins  
PhD in Molecular Physics, specialist in near infrared spectroscopy
- Dr. Rob Schoevaart  
Biocatalist, Co-founder and Managing Director of ChiralVision, being specialised in making chemical processes greener
- Frans Schrijver  
Strategy Consultant and Climate Publicist
- Bert Sigmond  
Geologist, Founder of EuGeNe Company in Geothermal Energy
- Prof.Dr.Ir. Jos De Smit  
Emeritus Professor of Stochastic Operations Research and Former Rector Magnificus of the University of Twente
- Hendrick Smit  
Chemical Engineer, specialised in Environmental Instrumentation
- Barend-Jan Smits  
Geologist, Former Director of Wintershall Nederland, BASF Group
- Jack Van Soest  
BSc, Geography teacher (retired)
- Dr. Engel Van Spronsen  
PhD in Physics, Lifetime career in Shell as researcher, reservoir engineer, and technical manager. After Shell he also worked for Maersk Oil, IMPaC Engineering, and Eneco
- Chris Stenger  
PhD in inorganic chemistry and materials engineering. Lifetime research and development career in Billiton and Shell. .
- Albert Stienstra†  
Emeritus Professor of Computer Simulation and Micro-Electronics, Delft University of Technology.
- Dr Hans Van Suijdam  
Former Executive Vice President Research and Development DSM
- Dick Swart  
MSC, worldwide drilling expert, lifetime of experience in the geo-energy industry
- Dr. Harrie C. M. De Swart  
Emeritus Professor of Logic and Language Analysis, University of Tilburg, Author of the book 'Philosophical and Mathematical Logic'
- Peter Van Toorn  
Former Research Geophysicist Shell
- Fred Udo  
Emeritus Professor of Nuclear Physics, Vrije Universiteit Brussels
- Ir. Arnold Uijlenhoet  
retired Electrical Engineer, TU Delft, Postgraduate at University of Pittsburgh, Lifetime international experience in power generation, transmission, and distribution
- Maarten Vasbinder  
MD, specialized in prion theories and practice
- J.F. Van De Vate  
Former Director ECN, Petten, The Netherlands. Former UN Delegate IPCC
- prof. dr. ir. Jan Verheij  
Retired Scientist Applied Physics at TNO Delft, Emeritus Professor of Noise Control Engineering at Eindhoven University of Technology
- Hans Verschuur  
MSc, Geosciences, specialized in Mining
- Ing. Henk Verveer  
Civil Engineering HTS Rotterdam, lifetime experience in maritime infrastructure and building services
- Jannes. J. Verwer  
Former Director ECN and Former Chairman Supervisory Board State Owned Radio Active Waste Storage Facilities
- Koen Vogel  
Geologist and Geostatistician, lifetime experience in numerical modelling, proficient in evaluating and developing global energy projects

## Netherlands continued

- Henk Van Der Vorst  
Emeritus Professor of Numerical Mathematics, University of Utrecht
- Bart Vos  
Msc Petroleum Engineering, Lifetime of Experience in the Geo-energy Industry
- Rob De Vos  
Geographer and Editor of “Klimaatgek”
- Jaap Van Der Vuurst De Vries  
Emeritus Professor of Petroleum Engineering, Former Dean Faculty of Applied Earth Sciences, Delft University of Technology
- Henk De Vries  
lifetime experience in organised crime, expert in digital forensics
- Dr. Jules De Waart  
PhD Physical Geography, Exploration Geologist in Africa, Past member of the Dutch Parliament, author of the book on Climate Change and Energy Transition “Don’t believe everything”
- Dr. André Wakker  
energy expert, lifetime experience in nuclear energy, speaker and writer on energy transition
- Karel Wakkert†  
Emeritus Professor of Astrodynamics & Geodynamics, Delft University of Technology
- Robert N. Walter  
MSc E.E., member Advisory Board ‘De Groene Rekenkamer’
- Cyril Wentzel  
Multi-Physics Engineer and Chairman of Environmental Think Tank ‘Groene Rekenkamer’
- Frans A. Van Der Werf  
Owner int. business and IT consulting and AI-firm & project leader St. Milieu & Mens in higher appeal case Milieudefensie - Shell as independent party
- Bert Weteringe  
Author, independent research journalist on energy transition and wind energy.
- Dr. Dolf Van Wijk  
Retired, formerly AkzoNobel Environmental Research Laboratory and Former Executive Director Cefic-Euro Chlor, Brussels
- Jaap Wijsman  
Mechanical Engineer, active in the offshore industry
- Theo Te Winkel  
Geo Scientist and International Health Care Specialist
- Jan Winkel  
MSc, Chemical Engineering, specialization in Natural Gas Projects, Lifetime Experience in the Geo-Energy Industry
- Wim Witteman  
Professor of Applied Physics and CO2 lasers, University of Twente
- Dr. Hans Wolkers  
PhD in Animal Physiology and Environment, Over 20 years of research experience, incl. Arctic ecotoxicology, Science journalist and university lecturer in ‘Writing about Science’
- Theo Wolters  
Chairman Environment, Science & Policy Foundation; researcher and speaker on climate and energy
- Govert Zijdeveld  
MSc Mining Engineering, Consultant for all Drilling, Mining and Naval Engineering activities
- Dr. E.J. (ed) Zuiderwijk  
Retired Astrophysicist and Data Manager
- Diederik Zwager  
MSc Petroleum Engineering, CEO Air Drilling Associates



## 27 SIGNATORIES FROM NEW ZEALAND

### 1 WCD Ambassador

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

### 26 Signatories

- Deborah Alexander  
Agricultural Scientist
- Jock Allison†  
Retired Agricultural Scientist, Ministry of Agriculture
- Mario Barbafiera  
MSc Palaeoclimatology, Teacher
- Paul A. Catchpole  
Qualified Land Surveyor & Fellow of New Zealand Institute of Surveyors, Retired Ex Commissioner of the New Zealand Environment Court
- Roger High Dewhurst  
Retired, Geologist/Hydrogeologist
- Geoffrey. G. Duffy  
Professor Emeritus, University of Auckland
- Terry Dunleavy†  
MBE, Co-Founder (2006) and Honorary Secretary New Zealand Climate Science Coalition; Former WCD Ambassador
- Doug Edmeades  
Managing Director agKnowledge Ltd.
- Joe Fone  
CAD Engineer, Enatel Ltd.
- Professor Michael J Kelly  
MA, PhD, SCD, MAE, Emeritus Prince Philip Professor of Technology at the University of Cambridge
- Gary Kerkin  
Retired Chemical Engineer, Upper Hutt. Executive Member New Zealand Climate Science Coalition

## New Zealand continued

- Roman Leslie  
Research specialist in geochemistry of arc-magmatism, magma-wallrock interactions, mineralogy, melt inclusions, SW Pacific tectonics and geodynamics.
- Brian Leyland  
Power systems engineer with experience in all forms of renewable energy
- Gerrit J. van der Lingen  
Geologist and Paleoclimatologist, New Zealand, Author of the Book The Fable of Stable Climate
- Nima Maleki  
MD specialist in family health, Bachelor in science
- Dr. John Maunder  
Climate Scientist, President of the WMO Commission for Climatology 1989-1996
- Dr Richard Reaney  
Climate Researcher, Post Graduate Qualification in Antarctic Studies, University of Canterbury New Zealand
- Darag S. Rennie  
MBChB, Lifetime explorer of truth
- John Scarry  
ME (Civil), Structural Engineer, Member of the New Zealand Climate Science Coalition
- John Sexton  
Member of the New Zealand Climate Coalition
- David Shelley  
Emeritus Associate Professor Geology and latterly Dean of Postgraduate Studies, University of Canterbury, Christchurch
- David Steward  
Electronic Engineer, Supporter of truth seeking in climate change
- Philip Strong  
Science Research Leader & Member of the New Zealand Climate Coalition
- Hugh Thorpe  
PhD, Retired Civil Engineer-Scientist.
- Richard Treadgold  
Executive Member NZ Climate Scienc Coalition, Convenor Climate Conversation Group
- Ian Wright  
Professional Geologist



## 35 SIGNATORIES FROM NORWAY

### 1 WCD Ambassadors

- Jan Erik Solheim  
Professor Emeritus Astrophysics, University of Tromsø – The Arctic University of Norway

### 34 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
- Stein Sorlie Bergsmark  
Phycisist, Former Head of Renewable Energy Studies Programmes, 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
- John Fuglerud  
MSc in Chemical Engineering, Norwegian University of Science and Technology, career in chemical, mining and IT industry
- 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
- Jon Gulbrandsen  
PhD, Biologist, Associate Professor NOFIMA and NOAA (USA)
- Arve Gleissner Gustavsen  
Msc in Cybernetics, Lifelong Experience in Design and Engineering
- Rögnvaldur Hannesson  
Professor Emeritus, Norwegian School of Economics
- Geir Hasnes  
Adjunct Associate Professor, Department of Engineering Cybernetics, Norwegian University of Science and Technology

## Norway continued

- Martin Torvald Hovland  
Geophysical and Geological Advisor, Former Lecturer at University 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 Physics and electronics, PhD Chemical Physics, Prof Applied Physics (Optics) and Biophysics (spectroscopy)
- Mikael Lindgren  
Engineer in several large international oil companies with solid experience in building and using numerical simulation models.
- Oddbjørn Melberg  
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  
Emeritus Professor in Geology, University of Oslo, Former Director of Natural History Museum Oslo, Professor at Norwegian University of Science and Technology
- Elen Roaldset  
Master of Chemical Engineering, Retired
- Ulf Torgny Rock  
Meteorologist with experience in operational forecasting (1997-2007) from the Norwegian Meteorological Institute.
- Gjertrud Røyland  
Geological Researcher, Trondheim
- Håkon Gunnar Rueslåtten  
Associate Professor Emeritus of Geochemistry, University of Oslo
- Tom V. Segalstad  
PhD, Professor in the Dept of Chemistry, University of Bergen
- Einar Sletten  
Emeritus University of Oslo
- Can real PhD equivalent Arne S. Stabel  
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



## 5 SIGNATORIES FROM POLAND

### 5 Signatories

- Marek Boinski  
Chairman of the National Section of Energy Workers' Union NSZZ
- Zbigniew Gidzinski  
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
- Jaroslaw Grzesik  
Chairman of the National Secretariat of Mine and Energy Workers' Union NSZZ
- Dominik Kolorz  
Chairman of the Slasko-Dabrowski Region of NSZZ
- Karol Pietrak  
Assistant Professor at Warsaw University of Technology, PhD in Power Engineering



## 12 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

### 11 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
- Helder Marques Da Silva
- Henrique Sousa
- João José Rodrigues Tilly

PhD in Spatial Planning; Postgraduate Diploma in Legal Issues of Territorial Planning and Urbanism, Degree in Engineering; Researcher at HTC/UNL.

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

PhD, Senior Research Scientist, University of the Azores

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

Mechanical Engineer and Maths teacher



## 4 SIGNATORIES FROM REPUBLIC OF KOREA

### 1 WCD Ambassador

- Dr. Seok Soon Park

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

### 3 Signatories

- Zonghie Han
- Kihong Kim
- Dong Yeop Lee

economist at Daegu University

PhD, Professor of Urban Planning and Development

Engineering Consultant and Author of Correct Sounds of Climate



## 8 SIGNATORIES FROM RUSSIAN FEDERATION

### 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 of Russian Academy of Sciences, Foreign Member of Accademia Nazionale delle Scienze detta dei XL (Rome, Italy)

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



## 5 SIGNATORIES FROM SLOVENIA

### 5 Signatories

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

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

independent energy expert



## 14 SIGNATORIES FROM SOUTH AFRICA

### 14 Signatories

- Dr. Henrique J.S. de Barros Pinheiro
- Prof. Rosemary Falcon
- Dennis Shaun Garisch
- Dr. Hans Hofmann-Reinecke
- Dr. Rob Jeffrey
- Dr. Kelvin Kemm
- Dr. John Ledger
- Prof. Richard Meissner
- Dr. Don Mingay
- Mike Sankey
- Professor Martin R. Sharpe

Geologist, Invited Associate Professor, Universidade Fernando Pessoa, Porto, Portugal

Emeritus Professor Clean Coal Technology Research Group at the University of Witwatersrand, Director Fossil Fuel Foundation

BSc (Civil) Eng, Professional Engineer registered with Engineering Council of South Africa (ECSA), over 30 years of practice, inclusive of many storm water management designs

nuclear physicist, author of several books "Grün und Dumm", articles and videos on global warming and alternative energies for the general public

Economic Risk Consultant: Senior Economist and Managing Consultant, leading expert in energy and electricity

PhD, Nuclear Physicist, Chairman: Stratek Global (Pty) Ltd, 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, University of the Witwaterstand. Involved since 1995.

Co- Author of two books : Climate Actually Vol1 Nothing to Fear, Climate Actually Vol 2 The Science Behind it

PhD from University of Exeter, retired Geologist, Geochemist, Analyst and Field Mapper at University of Pretoria, Founder of geological consulting and exploration companies

## South Africa continued

- Dr. Grant Son
  - Dr. Jacques Theron
  - Geert F de Vries
- PhD in Natural Science  
Retired Veterinarian  
Retired physicist / nuclear engineer



## 25 SIGNATORIES FROM SPAIN

### 1 WCD Ambassador

- Blanca Parga Landa

PhD, Modelling Expert, specialist in Environmental Law

### 24 Signatories

- Bernardo Armero
  - Raquel Barquero
  - Dr. Saúl Blanco
  - Maria Teresa Estevan Bolea
  - Ferran Brunet
  - Antonio Jesús Muñoz Cobo
  - Aitor Ercilla
  - José-Ramón Ferrandis
  - Isabel López García
  - Antonio De La Hoz
  - Antonio J. Huertas
  - Jose Manuel Miranda Lopez
  - Juan Mallo
  - Alexander Keith Martin
  - Javier Del Valle Melendo
  - Dr. Chris Oldenhof
  - Manuel M. Sánchez Del Pino
  - Luis Pomar†
  - Manuel Jesús Romero Rincón
  - Juan Miguel Gómez Menor Robles
  - Alejandro Rodríguez-Gómez
  - Geologist Antonio De La Torre
  - 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  
Engineering award 2019 Royal Spanish Academy of Engineering, World Award 2018 In Engineering WFEO, National Prize in Industrial Engineering 2019  
Professor on the European Economy, Unniversitat Autònoma de Barcelona  
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  
climate historian and computer scientist. Researches the importance of climate change in social processes  
Analyst, Writer, Communicator  
PhD on Chemical Engineering, Assistant Professor of Physical Chemistry and applied Thermodynamics , University of Córdoba  
BSc in in Business and International Economics, activist and expert in economics and political implications of causes and consequences of climate change  
Engineer with 35 years experience in Energy Politics and Operation, and Environmental Care  
PhD, Professor at the University Santiago de Compostela , Department of Analytical Chemistry, Nutrition and Bromatology  
Retired Geologist since 2009, Involved in the creation of the Spanish Association of Climate Realists (ARC)  
PhD Geology and Geophysics, Consultant geologist  
Doctor in Climatology, Professor a Centro Universitario de la Defensa  
PhD in Photochemistry, Retired from the Dutch chemical company DSM  
PhD, Department of Biochemistry and Molecular Biology, University of Valencia  
Emeritus Professor of the University of the Balearic Islands, Sedimentologist specialized in the study of Carbonate Rocks which the Impact of CO2 and Paleoclimate  
PhD Civil Engineering, Professor at Miguel Hernández University of Elche, Spain CEO at ETRES Consultores  
PhD in Biology (Botany), High School Head of Department.  
Associate Professor, Universitat Politècnica de Catalunya, Barcelona, Spain  
Private companiesMarcel: geologist  
PhD, Scientist and independent climate researcher  
co-founder and managing partner of real estate developer BWRE



## 48 SIGNATORIES FROM SWEDEN

### 1 WCD Ambassador

- Ingemar Nordin

Emeritus Professor Philosophy of Science, Linköping University

#### 47 Signatories

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

## Sweden continued

- Peter Stilbs  
Emeritus Professor of Physical Chemistry, Royal Institute of Technology (KTH), Stockholm
- Jan-Olov Strömberg  
Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
- Lars H. Thylen  
Professor emeritus in photonics, Dept. of Applied Physics, Royal Institute of Technology, SE-106 91 Stockholm, Sweden
- Tege Tornvall  
Automotive and transport editor and expert. On election committee of association Klimatrealisterna, regular contributor to blog Klimatupplysningen and network Klimatsans
- Gösta Walin†  
Professor Emeritus in Oceanography at University of Gothenburg
- Elsa Widding  
Consultant, Author on Climate Change, Stockholm
- Lech Wosinski  
Researcher Emeritus, Associate Professor, Royal Institute of Technology, Stockholm
- Orjan Wrangé  
PhD, Emeritus Professor in molecular Genetics Karolinska Institutet, Stockholm, Sweden



## 25 SIGNATORIES FROM SWITZERLAND

### 25 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
- Robert James Hopkirk  
PhD, Energy Consultant, R&D in thermodynamics, heat and mass transfer in engineering, aquatic, atmospheric and geothermal environments
- Christian Jacot  
Pharmacist
- Fabrizio Jauch  
PhD Earth Sciences, Expert for the Swiss Accreditation Service for geotechnical laboratory analysis
- Markus D. Knecht  
chemist, 15 years research 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
- Jacques Perret-Gentil  
Professor of Physics for 40 years and co-author of physics-chemistry books intended for teaching
- Dr. Jean-Claude Pont  
Dr. Math., Emeritus Professor of The History of Philosophy of Sciences, University of Genève
- Dr. Franz-Karl Reinhart  
Emeritus Professor of Physics, Lausanne
- Claude Roessiger  
Entrepreneur and Author of several Books on Organizational Management and Public Policy, Organiser and Chairman of the Portsmouth Conference 2018 on Climate Policies
- Beat Dominic Roth  
Owner Filmcompany
- Heinz Schmid  
Dipl. Ing. Agr ETH, more than 10 years involvement in climate science and climate communication
- Dr. Ralf Lorenz Schmitt  
PhD in Chemistry, Product Manager
- Thomas Stadler  
MSc in Physics, ETH Zürich, Geophysics, Specialty in Geothermics
- Ivan Surace  
PhD in Geology, Geol Surace I.R.
- Prof. Dr. Eric P. Verrecchia  
Professor at the University of Lausanne, Chair of Biogeochemistry at the Institute of Earth Surface Dynamics, expert in terrestrial carbon cycle of the tropical and temperate zones
- Dr. Eric Vieira  
(retired), Ph.D (organic chemistry), 27 years at Roche Pharmaceuticals (Principal Scientist)



## 1 SIGNATORIES FROM THAILAND

### 1 Signatories

- Annet Aarts

Biologist



## 3 SIGNATORIES FROM TURKEY

### 3 Signatories

- Prof. Kerem Cankocak
- Ufuk Coscun
- Andrew Cullen

Professor in Particle Physics at Istanbul Technical University, author of more than 200 books in different scientific areas  
columnist at Milat Newspaper  
Ph.D Geography



## 172 SIGNATORIES FROM UK

### 1 WCD Ambassador

- Christopher The Viscount Monckton Of Brechley

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

### 171 Signatories

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

PhD, Professional engineer in the energy industry  
BSc Physics, MSc Astrophysics, MA (Oxon) Classics & Philosophy, Barrister, Fellow of the Royal Astronomical Society  
Geophysicist, Private start-up Oil E&P Company  
PhD Geology, Petroleum Geologist  
Biological Chemist  
Retired Scientist and Technologist  
Mechanical Engineer  
professional graduate Podiatrist, Post Grad. in Sports Science, Post Grad. in Science Education  
BSc, Mechanical Engineering, MBA, 40 years with a global Industrial Gases, Chemicals and Energy company  
BSc Oceanography and Geology, WMO Qualified Meteorological Forecaster  
Mathematics and Statistics, former Climate Data Analyst at the Meteorological Office  
Former Research Geoscientist and Climate Researcher  
BSc Applied Chemistry, Chair of East College Group & CME Futures Trader  
Geologist/Geophysicist, Fellow of the Geological Society of London  
retired Special Merit mathematician in the UK Civil Service  
Emeritus Professor of Earth and Ocean Sciences, Fellow International Union for Quaternary Research, Cardiff University  
Physicist, Member of the Institute of Nuclear Engineers, retired energy consultant  
Expert in Large Scale Thermal Fluid Dynamic Models  
BSc, MSc, C. Eng (retired) Hydro Climate Specialist  
BSc (Hons) holder of 10 patents, previously Deputy Director Research & Statistics Inner London Education Authority  
BSc in Physics, MBA which included modules on statistical analysis  
Solicitor, co founder and fund raiser for wave energy research project as Director of Staithe Energy Products (1988 1995)  
BSc Hons. Physics and Geology, Lifetime Physics teacher and amateur astronomer  
Electrical Engineer, Retired, publishing papers on Energy and Climate Change  
BSc Physical Oceanography with Physics, entrepreneur / engineer in Marine LNG Safety and Weather forecast dependent Optimising Voyage Control Systems  
retired European Environmental Coordinator and CofE Diocesan Environmental Adviser

- Dr Phillip A. W. Bratby
- Michael Brown
- Paul Burgess
- Derrick Byford
- Gerry Byron
- Peter Cale
- George Carey
- Brian R. Catt
- Richard Ceen
- Arthur Champion

## UK continued

- Konrad Chapman
  - John Church
  - David Coe
  
  - Professor John C.W. Cope
  - Dr. Douglas Cormack
  
  - Richard Courtney
  - Chas Cowie
  
  - David Crabtree
  - Dr. David Critchley
  
  - Michael Cross
  - Peter Cunningham
  - Dr Philip George Davies
  
  - Robert Davies
  - Isabel Davies
  - Dr. Keith P. Dawson
  - Jeremy Dawson
  - John Dewey
  
  - Howard Dewhirst
  
  - James Dillon
  - Gregor Dixon
  - Peter M.J. Dorey
  
  - Tilak Doshi
  
  - Timothy (tim) C. Duckworth
  
  - Dr. Michael Earle
  - Dr. John S. Easterby
  
  - Roderick Paul Eaton
  
  - Debra Eddy
  - Dr. Andrew Edmonds
  
  - Peter Etherington-Smith
  
  - Kevin Foo
  
  - Ashley Francis
  
  - Sean Galbally
  - Gil Gilchrist
  - Alan Gill
  - Peter Gill
  
  - Paul R. Goddard
  - John D. Goss-Custard
- Energy & Environmental Consultant,  
Earth Science Professional, Retired from Energy Sector  
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”  
Hon Research Associate, University of Bristol  
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”  
Retired Material Scientist, Expert Peer Reviewer of the IPCC  
GDE Mining Engineering, Wits University, Retired IT Professional worked primarily in Mining and Logistics Industries  
retired assistant professor biology  
Senior Clinical Pharmacologist, mathematical modelling of complex systems  
Chemical Engineer  
Expert in Mathematical Modelling of Complex Physical Phenomena  
Principal Lecturer in the Department of Computing and Informatics at Bournemouth University  
BSc Airline pilot  
Geophysicist and Entrepreneur  
Environmental and Agricultural Researcher  
retired Chartered Engineer with a career in the oil and gas industries  
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  
BSc Physics, DPhil Nuclear Physics, Former research physicist  
FGS, Geologist, Former Member Geological Society of London  
BSc Physics, MInstP, MIET, Senior Project Manager/Physicist (Ret’d) 45 years experience in Engineering.  
Economist, CO<sub>2</sub> Coalition member, ex-Forbes contributor, frequent op-ed contributor (Daily Sceptic, RealClearEnergy, South China Morning Post, etc.)  
Retired Mechanical Engineer in the Oil & Gas industry, Senior Auditor in Management/Facility/HSE  
international earth scientist, energy professional, author  
Retired Senior Lecturer in Biochemistry University of Liverpool, Research area: Protein chemistry, Enzymology, Metabolic Modelling  
MBA FIET MCMI, Retired Consultant Energy Industry Analyst/Management Consultant  
Entrepreneur and Guest Lecturer in Business Management  
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  
Geologist/Oceanographer, Coral Reef Researcher, MSc Petroleum Engineering (Imperial), life-time international experience in developing countries, retired from BG  
MSc, DIC, Dip. Met, AusIMM, IOM3, SME, Ch.Eng., President Tianshan Jade (UK) Ltd  
BSc, FRAS, Geophysicist with expertise in forward and inverse modelling, stochastic modelling and resolution/scale change impacts  
Project Manager Water and Wastewater Systems  
Geophysicist  
Retired Engineer in South Wales  
Physicist, Ex Chair Institute of Physics Energy Group, Ex London Branch Chair & Fellow of EI  
retired Professor of Radiology, University of the West of England  
PhD Ecology, University of Aberdeen, Visiting Professor in the Department of Life and Environmental Sciences, Bournemouth University

## UK continued

- Alastair Gray retired geologist, 50 years in oil exploration, production and asset evaluation
- Delphine Gray-Fisk Former airline pilot, and parliamentary candidate for both the UK Independence Party and Brexit Party
- Robin Monotti Graziadei Architect and former postgraduate lecturer in Architecture at London Metropolitan University
- Mick Greenway Research and Development of Flight Control Systems for Modern Civil and Military Aircraft, Retired Head of Research and Development within a Multi-Million-Dollar Company
- David P. Gregg retired Unilever Research group leader and scientist, Author of studies of historical climate time series based on modern spectral analysis techniques
- Brian Gregory MA. in Natural Sciences, MSc. in Business Studies, Lifetime Career in the UK Chemical Industry, currently Policy Director of the Alliance of British Drivers
- Jimmy Haigh Independent Geological Consultant
- Stephen Hardcastle Retired Electronics Engineer, 10 years experience in the design of NDIR gas detectors, for gases including CFC's CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O
- David Hardy Business Owner, Director and Experienced Chemical Engineer. 20+ years in Energy technology development including removal of pollution from conventional fossil fuel power sources
- Tim Harper PhD (Engineering, rock mechanics), CEng., Geomechanics Consultant and Researcher, Recipient of the Royal Academy of Engineering MacRobert Award
- John Harrison Former Chartered Physicist and Chartered Engineer
- Ken Harrison Retired Chartered Physicist
- Peter Harvey Project Manager – Renewable offshore wind industry
- Raymond Hayes BA (Lond) M.Litt (Oxon) FRGS Solicitor Hong Kong and England and Wales
- MA, MSc Kes Heffer Director, Reservoir Dynamics Ltd.
- Alex Henney Formerly London Electricity Board, Consultant on Electricity Matters
- Roger Higgs DPhil (Oxon), Independent Geological Consultant, Geoclastica Ltd.
- Tatiane Melchior Stefanello Hodson BSc Oceanographer, MSc International Public Policy, author of "How to Recognize Totalitarians".
- 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 BSc Hons, LL.Dip, MPhil, MA; Specialist in Environmental Policy & Law, Environmental Impact Assessment & Sustainable Development (Retired)
- Gautam Kalghatgi PhD Aeronautical Engineering, Consultant Professor, 50 Years' experience in R&D in combustion, fuels and energy
- Gavin Kenny Emeritus Professor of Anaesthesia, Intensive Care and Pain Medicine University of Glasgow
- John L.D. Kerr B.A. (Hons) in Environmental Science & Technology; B.Sc. (Hons) in Chemistry, active as Environmental Consultant
- Stephen King Experienced technically trained chemical engineer with experience in environmental consideration of major petrochemical projects, including technical and economic aspects
- David A. Kirkwood MSc MIET, Professional engineer working in IT, Deputy Chairman of Reform UK Scotland
- Geoffrey W. Lane retired Marine Engineer and Technical Author
- Eur.Ing Colin Leci CO<sub>2</sub> and Environmental Specialist

## UK continued

- 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
- Prof. David Marshall  
Emeritus Professor, Dept. of Computer Science & Informatics, Cardiff University
- Stephen Martin  
retired exploration geophysicist
- Chris Matchette-Downes  
Geologist and Geochemist, particularly involved in studies about past climates including glaciation
- William James Mcauley  
M.Sc. from Imperial College and an M.B.A. from Lehigh University, retired Chemical Engineer with a 40+ year international career in energy, industrial gas and chemical industries
- Dr. Niall McCrae  
PhD in Mental Health
- Angela Mckay  
retd Mechanical Engineer in Turbine Generator Industry. Retd Head of Physics St Mary's 6th Form College, Lancashire
- Dr. Euan Mearns  
retired, freelance consultant, researcher, blogger and author
- Krov Menuhin  
Expert on ocean life, underwater filmmaker, professional diver, pilot and writer, explored the Earth's extremities, experiencing the oceans and the atmosphere first-hand
- prof. Anton Van Der Merwe  
MD, PhD, Professor in Molecular Immunology
- Geoffrey Middleton  
Chartered Architect, Social Science
- Terence Mordaunt  
Accomplished businessman, Self taught climate scientist mentored by Professor David Bellamy
- Dr. William Morgan  
Retired Clinician
- Dr. Ian Mortimore  
BSc, PhD, MB, BS, FRCP, retired Consultant Respiratory Physician in the NHS with research affiliations to Edinburgh and Newcastle Universities
- Philip Mulholland  
Geoscientist, Life time experience in the Geo-Energy Industry, co-author of the DAET climate model
- Stuart Munro  
Exploration Geologist and Geophysicist
- Edward Nealon  
Geologist, Member of the Australian Institute of Mining & Metallurgy
- Alex Nichols  
BSc Geography, MSc Environmental Assessment, 30 years in sustainability consultancy, programmes and projects
- Blair Nimmo  
Electronic Engineer, working in Computer Networking and Optical Surface Metrology and Fibre Optics
- Michael John Oates  
Geologist, Lifetime Experience in the Geo-Energy Industry, Fellow of the Geological Society of London
- Gerard O'donovan  
Entrepreneur, Business Owner, career in building international and multinational organisations
- Andrew O'rourke  
journalist climate change
- Peter Owen  
FGS, Fellow of the Geological Society of London
- Jonathan R. Partington  
Emeritus Professor of Mathematics, University of Leeds
- Dennis Paterson  
Retired Geologist
- Dr. James Petch  
Physical Geographer, formerly Reader in Environmental Science at MMU and Head of Distributed Learning at the University of Manchester
- Peter Phillips  
BSc Hons Mechanical Engineering, lifetime experience in the geo-energy industry
- Graeme Phipps  
geologist and geophysicist, Jersey Channel Islands
- Dr. James Pindell  
Geologist, specialised in plate tectonics and palaeographic evolution, Director of Tectonic Analysis Ltd (UK), Adjunct Professor at Rice University (USA)
- Gerry A. Quinn  
Research Scientist, Ulster University, lifetime career in microbiology, biochemistry and environmentalism

## UK continued

- 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
- Mr Tim Smith
  
- Dr. Ian Smith
- Mike Stigwood
- Leslie Thomson
- Edwin Thwaites
  
- Derek Tipp
  
- David Todd
  
- Paolo Emilio Trevisanutto
- Mark Tucker
  
- Neil Upton
- Matthew David Waggener
- Dr. Glenn K. Wakley
  
- Professor David Wastell
  
- Paul White
  
- Philip Linden Wilkes
- Jay Willis
- Matt Wood
  
- Alison Wright
  
- Valentina Zharkova
  
- Ivor Zoeftig

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, Coventry University, 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

Director of Motvind UK helping communities oppose unwelcome wind farm developments through planning representations and legal action

MSc Maritime Archaeology, PhD Chemistry

Environmental Researcher

Retired Vice President Operations, BP Exploration, Aberdeen

Retired Principal Lecturer in Organisational Analysis and Crisis Management, University of Central Lancashire, Predton

BSc honours degree in chemistry, former research chemist and retired science teacher, currently councillor on New Forest District Council

retired Associate Member of the Institute of Bankers, Post Graduate Certificate in Business and Management

PhD in Physics, Senior Computational Scientist

BSc of Science Geophysics, Serial Entrepreneur and Scientific Advisor to APPG for Industrial Hemp

Retired GP UK

Financial professional, strategic consultant on business investments

Emeritus Associate Professor Biological Science, Fellow of the Royal Society of Biology and member of The Anatomical Society

Emeritus Professor of Information Systems at the University of Nottingham

B.Sc. Physics, Durham University, Retired, Former Higher Scientific Officer Marine Climatology

Life time Experience in Marine Biology

Marine Scientist, Associate of the OxNav Group of Oxford University.

BSc in Metallurgy & Materials Science, Retired Airline Pilot, Patent holder

BSc MSc. Systems Engineer, Energy Policy, Sustainable Development policy.

Professor of Mathematics and Astrophysics, Northumbria University, Newcastle upon Tyne

International communications coach specialised in chaodynamics and NLP LP



## 2 SIGNATORIES FROM UKRAINE

### 2 Signatories

- Vsevolod Lozitsky
- Irina Vasiljeva

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

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



## 459 SIGNATORIES FROM UNITED STATES

### 2 WCD Ambassadors

- Dr. John F. Clauser
- Richard Lindzen

Nobel Laureate Physicist

Emeritus Professor Atmospheres, Oceans and Climate, MIT, USA

### 457 Signatories

- Edward Abbott
- Paul Berrick Abramson
- Dr. Syun-Ichi Akasofu

MD, Retired obstetrician, BSc in math and chemistry

PhD. in Theoretical (Solid State) Physics, Juris Doctor, Registered Professional Nuclear Engineer

Professor of Geophysics, Founding Director of the International Arctic Research Center of the University of Alaska Fairbanks from 1998 until 2007

- Ralph B. Alexander
- Chapel Allen
- Lincoln Anderson
- Michael Anderson

Emeritus Professor of Physics, Science Writer

Geophysical Engineer with 49 years experience in earth science

Macroeconomist and Econometric Model Development

BS Chemical Engineering, PhD Information Science, writes about contemporary American politics, including global warming

P.G., Professional geologist for 35+ years in Pennsylvania with Ms in glacial geomorphology

- Michael Antonetti
- Anthony J. Armini
- Bob Armstrong
- Nicholas Ashcraft

Retired Founder and CEO Implant Sciences Corp.

MS, mathematical psychophysics

Materials Science and Engineering, Wright State University. Lifetime career in the oil and gas industry

- Dr. Malgorzata Askanas
- Hans-Peter Bähr

Senior R&D Associate at the Aurora Biophysics Research Institute

Emeritus Professor of Pharmacology, Canada and Former Dean of Basic Medical Sciences, American University of Barbados, Barbados

Emeritus Professor, Applied Science, James Madison University

petrophysicist and rock physicist specialist

certification in Biology, Chemistry and Physics, founder of Faraday Science Institute, retired high school teacher (chemistry, physics, biology), adjunct college science professor

- Donna Barr
- Dr. Bryan Barrilleaux
- Joe Bastardi

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

- Scott Beattie

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

- Larry Bell
- Frank X. Bellini

Endowed Professor of Space Architecture, University of Houston

Retired Geologist and Environmental Scientist, 45 years experience in earth science research including flooding studies

## United States continued

- David J. Benard
  - Haym Benaroya
  
  - Dr. Shmuel Ben-Shmuel
  
  - Dr. Peter R. Bergethon
  
  - Robin Bernhoft
  
  - Dr. Edwin Berry
  
  - Ronald Berti
  - Brent J. Bielema
  
  - Professor Joseph Biello
  - Jared L. Black
  - Dr. David L. Black
  
  - Thomas Lindsay Blanton
  
  - Elliott D. Bloom
  
  - David Boleneus
  - Daniel Botkin
  
  - Cameron Boyce
  
  - Dr. Walter Bradley
  
  - David Brand
  
  - Donald Bretches
  - Dr. William Briggs
  - Daniel Brimhall
  
  - Dr. Larry Frank Brown
  
  - Joel M.G. Brown
  - James Brucher
  
  - Gerald Brunetto
  
  - Clifford Brust
  - James W. Buell
  - Robert Bugiada
  - Frits Buningh
  - Bohdan Burban
  
  - Lior Burko
  - Dr. H. Sterling Burnett
  
  - David Burton
- 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
- Professor of Mathematics, University of California, Davis
- Numerical Analysis Consultant, ScD
- Clinical and Forensic Toxicologist (Microbiology, Immunology, Pathology, Pharmacology), Vanderbilt University Nashville, adjunct of Department of Medicine Board of Visitors
- 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
- Ecologist, 20+ years of experience in ecological restoration, wildland fire, paleo-endemic plant management, wildlife habitat management.
- PhD, Emeritus Professor Mechanical Engineering, Texas A&M University, Baylor University
- 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
- PhD in Range Plant Ecology (Ecophysiology) from Colorado State University (1974), President of L.F. Brown & Assoc. Inc.
- retired petroleum engineer
- technology and business consultant for over 30-years in the telecommunications, transportation, aerospace, software, defense, manufacturing, and biotechnology industries.
- Retired after lifetime career in engineering & building nuclear & fossil fuel fired steam power plants
- Director of Engineering at Defense Engineering Corporation
- PhD, Aquatic Biologist, Consultant
- Senior Process Engineer at R.C. Costello & Assoc. Inc
- Data Research Specialist
- retired geologist. Field geologist/manager with decades of experience in exploration (minerals & coal), mine development (gold, copper, coal & magnesite) and environmental monitoring .
- PhD, Theoretical Physicist
- PhD, Applied Philosophy with a specialization in Environmental Ethics, past Senior Fellow of the National Center for Policy Analysis, now Senior Fellow Heartland Institute
- System and Computer Scientist, Expert Reviewer of AR5 and AR6, Member of the CO2 Coalition and Creator of the SeaLevel.info website

## United States continued

- Mark Shane Butler  
Civil Engineer Retired
- Barry Butterfield  
BS and MS Engineering, Physics and Optics
- George Buzel  
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, Distinguished 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
- 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
- Steven Palmieri, Ph.D., D.O.  
MSc & PhD in Chemistry, Doctor of Osteopathic Medicine, Former Chemist & Virologist, Medical Doctor - Retired
- 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

## United States continued

- 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)
- 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  
Author of Climate Change: What they Rarely Teach in College, 50 years experience in the Chemical Industry including Mergers and Acquisitions, Venture Capital and a Paint Company
- Guy Ellison  
Second generation oil and gas explorationist
- Prof. James E. Enstrom  
PhD, MPH, FFACE, Retired UCLA Research Professor in Epidemiology, President of the Scientific Integrity Institute, Los Angeles
- Kenneth Epperson  
Nuclear Engineer
- Richard G. Eramian  
BA in mathematics and physics
- Willis Eschenbach  
Generalist and Author of many (peer-reviewed) critical Climate Articles with numerous Citations
- Vincent Esposito  
Adjunct Professor University of Pittsburgh, PA, Doctor of Science in Nuclear Engineering (University of Virginia), Retired Manager from Westinghouse Electric Company
- Douglas Fairbrent  
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.

## United States continued

- James Forensky  
B.S.E.E. , M.D. Retired Engineer and Physician
- John Fortier  
Vice President of Geology/Geophysics
- Michelle Michot Foss  
PhD, fellow in energy, minerals and materials at Rice University's Baker Institute
- Dr. Geoffrey Q. Fox  
Geoffrey Q. Fox, Retired Neuroscientist, PhD in Anatomy and Physiology from the University of California, Berkeley
- Patrick Frank  
PhD, SLAC National Accelerator Laboratory, Stanford University
- Dr. Neil Frank  
Lifetime of Experience in Research and Forecasting in Tropical Meteorology, Former Director National Hurricane Center
- 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
- 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
- Derek Gordon  
CEO HTS Engineering
- Timothy W. Gordon  
Retired USAF/USN Veteran, Independent Researcher
- Steve Goreham  
Executive Director, Climate Science Coalition of America
- Laurence I. Gould  
Professor of Physics, University of Hartford, Past Chair, New England Section of the American Physical Society
- Ronald Graham  
Retired Scientist in Physics, Chemistry and Complex Modeling
- Jim Granato  
Dean of the Hobby School of Public Affairs, University of Houston, lifetime career in research methodology
- William Griffin  
Staff Oceanographer US Naval Forces Korea
- Charles F. Gritzner  
PhD, Professor Emeritus of Geography, author of the book "Changing Climates" (2010)
- Mike Gruntman  
Professor of Astronautics and author, Space Physics and Space Technology, 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

## United States continued

- 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](http://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)
- Harald Hoegberg Independent Geologist
- Aaron Hogue PhD, Associate Professor, Department of Biological Sciences, Salisbury University
- Jim Hollingworth Social Scientist, Book: 'Climate Change: A Convenient Truth'
- Dr. Gary M. Hoover Geophysicist, Lifetime Experience in the Geo-Energy Industry, Retired Member Board of Directors Geo-Service Company
- Christopher Paul Horger lifetime experience in optical network design
- Jerry C Hornbuckle Retired Rocket Scientist
- Walter Horsting Energy Expert, CEO of Global Village Utilities, Large Technology Projects Developer for 4th generation Thorium applications.
- Captain Thomas C. Houghton USNR (Rtd), Qualified Nuclear Engineering Officer; Sr. Director, Reactor Programs, Nuclear Energy Institute
- J. Stephen Huebner PhD, Retired Research Geologist, U.S. Geological Survey
- Edward Huff PhD, Retired NASA Senior Scientist
- John Hunt MD, pediatrician, former tenured Associate Professor of Pediatrics, medical missionary, patent holder, and writer about contamination of science by politics
- S. Fuller Hunt Biology Teacher at Preparatory High School of Mathematics, Science, Technology and Careers, Calabash, North Carolina
- Richard W Hurst PhD, Emeritus Professor of Forensic Environmental Geochemistry and Planetary Sciences, California State University, Los Angeles
- Clare Livingston (bud) Bromley Iii BS Natural Sciences, scientific instruments
- Gamaliel Isaac PhD, Retired senior software engineer of the Department of Radiology of the Hospital of the University of Pennsylvania
- Anthony Robledo Iv MSc, Environmental Scientist, United States Environmental Protection Agency

## United States continued

- 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.
- Byron Jenkinson PhD, consulting soil scientist , patent holder of Indicator of Reduction in Soils, (IRIS tubes)
- Randy Johnson Retired VP of Engineering and Geoscience Technology at two Fortune 500 independent oil companies
- Laurence N. Johnson Lt Col, USAF (Ret), MS in meteorology, MSE in aerospace engineering
- Stephen Albert Johnston BS Molecular Biology, Phd Genetics, Phd Plant Breeding/Genetics, Postdoc Biochemistry, CEO, CSO Inventor
- John Joyce Climate Narrative Challenger
- Frank Yates Jr Past President of Yates Petroleum Corporation
- Robert L. Bradley Jr. CEO and Founder of the Institute for Energy Research
- John Droz Jr. Physicist, Founder of AWED Alliance
- Guy K. Mitchell Jr. graduate mechanical engineer and physicist with extensive research in the field of anthropogenic global warming
- Dr. Neil J. McCarthy Jr. Financial Consultant at N J Mc Carthy & Assoc, PhD in Organic Chemistry Cornell University
- Walter Kailey BA Physics with Honors, PhD Astronomy, Physicist, Inventor and high performance Computing Specialist
- Thomas Karr Principal Director of Critical Technology for the Undersecretary of Defense for Research and Engineering(ret.), and MITRE Chief Scientist for Sensing and Directed Energy.
- Kerry Kelly Geology degree, Energy and Environment Professional
- James Kelly PhD Physics, data science executive
- 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 P.E., 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)
- Ernest Laflure Geoscientist and Energy executive for 45 years. Key interests in paleoclimate, climate change and energy policy. Currently a member scientist in the CO2 Coalition.
- 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 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,
- Robert M. St. Louis  
MSc in geology, owner of Mine Water Consulting LLC
- 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  
15 United States patents, founding and Managing Partner at Pangaea Gases, LLC
- 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
- Chris Martz  
Meteorologist and policy analyst for the Committee for a Constructive Tomorrow (CFACT), SIGNATORY 2000 OF THE DECLARATION
- 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
- David Mauriello  
Geologist, researcher and public speaker against the corruption in science, government and the media
- Kirk Maxey  
BS Organic Chemistry, MD, President and Founder of Cayman Chemical Inc
- Andy May  
Writer and Retired Petrophysicist
- Donald May  
BS, PhD Chemistry, Research Fellow. (Retired)
- 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
- 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

## United States continued

- Edward P. McMahon  
PhD, career in remote sensing from spacecraft, and super computing analyses of physical phenomena
- Dr. Michael Meichle  
PhD in Physics, Research Imaging Scientist
- Mark Meier  
PhD, Professor of Physics, University of Houston
- Samuel H. Melfi  
Emeritus Professor of Physics, UMBC, Retired NASA Scientist
- Kenneth Melvin  
MD, Retired Professor of Medicine, Portland, Oregon
- Dr. Daniel M. Merfeld  
BSME U Wisconsin-Madison, MSE Princeton, PhD MIT, neuroscientist/neuroengineer, former Professor at the Harvard Medical School, Professor at the Ohio State University
- Dr. Peter B. Merkle  
Associate Professor in environmental science and engineering at the School of Engineering at Benedictine College
- Rodney Michael  
COL, US Army Medical Corps, Retired
- Patrick J. Michaels†  
Competitive Enterprise Institute, Washington DC
- 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
- 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 Amstrong 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 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
- 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
- George Pazos  
Surgeon
- 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
- Richard Phillips  
Retired Thoracic Surgeon, Active Public Health Advocate
- 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
- Wayne Raymond  
teacher of physical science at high schools in Malaysia, Liberia, and various high schools in California, most prominently at Davis Senior High School.
- 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
- Dan Reynolds  
PhD in Organic Chemistry, Retired
- Dr. Douglas Rigby  
Ph.D. in Geomechanics, B.S. in Hydrology, expertise in modeling complex phenomena under uncertainty
- David K. Rogers  
PE, CEG MS, Geological Engineering, Member of the Boards of Consultants for the Federal Energy Regulatory Commission
- Dr. Jennifer Runquist  
PhD from Northwestern Univ, Evanston IL related to photosynthesis
- Marius Russo  
IT expert

## United States continued

- James H. Rust  
Emeritus Professor of Nuclear Engineering, Georgia Institute of Technology
- Ralph Sacrison  
MSc, lifetime career in earth sciences and engineering
- Charles L. Sanders  
Retired Radiobiologist, Author of Radiobiology and Radiation Hormesis: New Evidence and Its Implications for Medicine and Society (Springer)
- Rick Sanders  
MA, Scientists for Accuracy in Radiation Information (SARI), Associate Editor, 21st Century Science and Technology Magazine
- Dr. Steven Saterlie  
PhD in Physics, Chief Engineer with major corporation and author of numerous technical papers.
- Jeffrey Satinover  
MD, PhD, research theoretical physicist in unpredictability of complex systems; director of a Sterling Institute neuropsychiatric facility.
- Kent Satterlee  
Executive Director at Gulf Offshore Research Institute (GORI)
- Hans Schantz  
PhD Theoretical Physics, Founder and Principal Scientist of The Society for Post-Quantum Research
- John Schell  
BS Marine Biology, PhD Toxicology, Toxicologist who has participated in the assessment of environmental impacts of chemical releases
- Jesse Schilling  
Certified Management Accountant
- Mike Schimmelpfennig  
Degreed Mining Engineer with more than 40 years of experience
- Brian Schmidt  
Co-Founder and Chief Visionary Officer of Primary Ocean Aquaculture division and Primary Bio Agriculture - Agriculture division
- Harold Grant Scoggins  
retired IT professional
- John Seater  
PhD, Emeritus Professor of Economics, North Carolina State University
- Mark W. Sellers  
PhD Systems Science, Modeling and Analysis of Complex Systems
- Mr. Gregory Semrau  
Automotive Engineer, Simulation of Safety Critical Systems
- Edwin T. Sewall  
Retired BS Electrical Engineering, Southern Methodist University 1960 Dallas Texas
- John A. Shanahan  
Civil Engineer with Career in Nuclear Power, Public Education about Fossil Fuels including question of man-made Global Warming and Nuclear Power through Website: [allaboutenergy.net](http://allaboutenergy.net)
- William Sharp  
PhD Applied Science, Retired.
- Roscoe M. Shaw  
meteorologist and portfolio manager
- Dr. Thomas P. Sheahen  
PhD in Physics at MIT, Chairman, Science & Environmental Policy Project, involved in energy-related research for 45 years
- Dr. Roger Sheley  
Ecologist, USDA-Agricultural Research Service; Editor-in-Chief of the international journal-Rangeland Ecology and Management
- John D. Sheppard  
MD, MMSc, FACS, Professor of Ophthalmology, Microbiology & Immunology, Eastern Virginia Medical School
- John Shewchuk  
Meteorologist (CCM) and Atmospheric Researcher
- Stephen W. Shipman  
Institutional Investor
- Ryan Shrout  
Environmental Attorney with a Masters of Law in Environmental Law practicing in the air emissions field
- Dr. Matthew Eric Shultz  
University of Delaware, Dept. of Physics & Astronomy, specialised in Stellar Astrophysics, Annie Jump Cannon Fellow
- David Siegel  
author, entrepreneur, critical thinker, communicator
- Hal Simeroth  
PhD in Ethics, Graduate Engineer, 45 years of research science and engineering with patents in geological logging instrumentation and geophysical exploration methodologies
- Benjamin Slivka  
Retired, MSc Computer Science, "Angel" Investor with 20 start-ups in 56 countries
- Robert J. Smith  
Bachelor of Physics, Aircraft test and evaluation engineer
- Elliot Smith  
airline pilot, climate realist, 30+ years of studying AGW data
- Robert P. Smith  
PhD, PE, Environmental Scientist and Professional Engineer
- Professor William H. Smith  
Professor of Earth & Planetary Sciences, Astronomer and Planetary & Atmospheric Scientist, involved in the Analysis of the Earth's Climate and Renewable Energy Systems
- Nicholas Smith-Sebasto  
PhD, Retired Professor of Environmental and Sustainability Studies
- John Smyth  
Consultant
- Willie Soon  
Independent Scientist
- Prof. George Sowers  
PhD, Space Resources, Colorado School of Mines

## United States continued

- Prof. Rick Bernard Spielman Senior Scientist & Professor of Physics, University of Rochester, Laboratory for Laser Energetics
- Dana H. Saylor Sr. a lifelong agriculturalist, retired, article “Living a lifetime of climate change”
- 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
- Stephen Sutton a participant in competitive energy markets, patent holder of a rotational movement multiplier device.
- 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, San Clemente, CA
- Bradley Thomas M.A. Air Pollution Meteorology
- M. Ray Thomasson Certified Petroleum Geologist; Certified Petroleum Geophysicist. Recipient of Michael T. Halbouty Award from AAPG and Heroy Award from AGI. Distinguished Alumni from MU/UW.
- Edward Thompson PhD, DIC, Mechanical Engineering , retired
- Francis Thompson Space Vehicle Engineer, Masters in General Relativity
- 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
- Jeffrey Vaughan Petroleum Geologist California
- Peter Villucci MSc. Organic Chemistry, Lifetime science and communications professional

## United States continued

- Arthur Viterito
- Dariusz Vogelsinger
- Brian Volkman
- Whitson G. Waldo
  
- William B. Walters
  
- James Wanliss
- R. Peter Weaver
- Robert Webster
  
- Steven E. Weismantel
- Isaac William Wells
- Dr. Steven C. Wendelken
- Gary S. Westerman
  
- Stephen H. Westing
- Jim Whiting
  
- Dr. Matthew Wielicki
  
- Chuck F. Wiese
- Brock Williams
  
- David Williams
  
- Jeff Wilmer
  
- Steven Wilmoth
- Kevin Wilson
  
- Kennard V Wilson
- Terry Winters
- David Wojick
- Dr. Calvin M. Wolff
  
- Michael Wood
  
- Peter Wood
- Gregory R. Wrightstone
  
- Walter Yarbrough
- Dan Youra
- Karl Zeller
- Ronald B. Zelt
- Matthew Ziska
- Hannes Zuercher
- Bob Zybach

PhD, Physical Geography, Policy Adviser to the Heartland Institute  
Psychologist  
PhD, Professor of Biochemistry, Medical College of Wisconsin  
Scientist and Engineer with MS Chemical Engineering from Clemson Univ, lifetime career in the semiconductor industry, owner of 13 awarded patents  
Guggenheim Fellow, Professor of Atmospheric, Nuclear and Environmental Chemistry, University of Maryland  
Professor of Physics, Presbyterian College  
lifetime career in energy, energy policy and sustainable operations  
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  
Lawyer in International Law and Foreign Affairs  
EPA, OGWDW/TSC, climate realist  
PhD, physical geography with specializations in climate science and remote sensing  
PhD, Director Medical Affairs, Regeneron Pharmaceuticals, Inc.  
MD from McGill U, Montreal, Fellow of the American College of Radiology  
PhD in Geochemistry from UCLA, Assistant Professor of Geological Sciences at the University of Alabama  
Professional Meteorologist  
PhD, Lifetime research scientist with subjects from molecular to population pathology with a special interest in immunopathology and atopic disease  
PhD, University Distinguished Professor Emeritus, Oregon State University  
B.Sc. Physics, Post Undergrad Studies: Atmospheric Physics & Chemistry, Industrial Capitalist and Innovator  
Certified Petroleum Geologist  
PhD in Geological Sciences, Retired, former Professor and Researcher on Plate Tectonics, Paleoclimate and Paleoceanography  
retired from Los Alamos National Laboratory  
PhD in Chemistry, Writer, Member of CO2Coalition  
Cognitive Scientist  
Adjunct Professor University of Houston at Clear Lake, Expertise in Energy Management  
BSChE, MBA; former lead technical engineer in development of space station and space launch vehicles  
PhD, President, National Association of Scholars  
Expert Reviewer IPCC, Geologist, Author, Executive Director CO2 Coalition  
PhD, retired from Penn State  
publisher Youra media, creator and editor of Carbon Tax News  
PhD Research Scientist  
Hydrologist, retired PH-WQ, U.S. Geological Survey (retired).  
PhD, Director of Environmental Health and Safety at Elevation Labs  
PhD Geophysics, Independent Geophysicist  
Program Manager, Oregon Websites and Watersheds Project Inc.



## 1 SIGNATORY FROM VIETNAM

### 1 Signatory

- Dr. Thi Thuy Van Dinh

PhD in Law, Master in environmental law, University of Limoges, former official of the UN Secretariat



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