

World Climate Declaration

**THERE IS NO  
CLIMATE  
EMERGENCY**

**2051 SIGNATORIES**



GLOBAL CLIMATE INTELLIGENCE GROUP

[WWW.CLINTEL.ORG](http://WWW.CLINTEL.ORG)

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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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PROFESSOR LÁSZLÓ SZARKA / HUNGARY  
PROFESSOR SEOK SOON PARK / SOUTH KOREA  
PROFESSOR JAN-ERIK SOLHEIM / NORWAY  
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# TOTAL SIGNATORIES 2051



## 5 SIGNATORIES FROM ARGENTINA

### 5 Signatories

- Dr. Cristián Antiba Research professor at national universities and educational institutes
- Mauro Borsella Environmental Consultant & Auditor
- Aldo Brandani Coastal Specialist and Environmental Scientist
- Rosa Compagnucci 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



## 188 SIGNATORIES FROM AUSTRALIA

### 1 WCD Ambassadors

- Ian Plimer Professor Earth Sciences, The University of Melbourne

### 187 Signatories

- D.Weston Allen Physician and Medical Director of Kingscliff Health, New South Wales, Author of a number of Climate-related papers
- Don Andersen Retired Teacher, Programmer
- David Archibald Research Scientist
- Rick Armstrong retired metallurgist and strategic planner
- Michael Asten Retired Professor in Geophysics and Continuing Senior Research Fellow at the Monash University, Melbourne
- József Balla retired teacher and manager of a small business
- Stuart Ballantyne PhD, Senior Ship Designer, Sea Transport Corp.
- Dr. Priyanka Bandara PhD, former academic medical researcher operating as a freelance researcher in environmental health since 2012.
- Jim Bannister industry researcher for many years but recently a high school educator.
- Jeremy Barlow Energy and Mining professional, Director and CEO
- Dr. Colin M. Barton Geologist, Retired Civil Engineer with Experience in Project Control, Research and Professional Training, Honorary Fellow RMIT University, Australia
- Gordon Batt Director GCB Investments Pty Ltd.
- Maxwell C Beck B.Juris.LLB, lifetime experience in law, Retired Magistrate and Coroner
- Robert M. Bell Retired Geologist, Victoria
- Karen Benn PhD, Biologist and Environmental Scientist, Educator and University Lecturer in Sciences, Biology, Environmental Sciences, Water Quality and Water Resource Management
- Richard Blayden† Professional Engineer
- Colin Boyce Engineer, Member of Parliament, Queensland State Parliament, Engineer, Farmer and Entrepreneur
- Howard Thomas Brady Member Explorers Club of New York, Member of the Australian Academy of Forensic Sciences
- Geoff Brown Organizer of a Critical Climate Group
- Andrew Browne Exploration Geoscientist, Fellow AusIMM (CP), 50 Years Global Experience
- 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

#### Australia continued

- Alan Douglas Buerger Fellow Australasian Institute of Mining and Metallurgy, Member of Australian Institute of Comapany Directors
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- Paul Callander Retired Geologist BSc Melbourne, Extensive experience in energy economics
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- Peter Champness Retired Radiologist
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- 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 experiance as Architect (B Arch), active in giving talks and writing opinion articles on climate change
- Geoff Derrick Geologist
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- 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.
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- Paul S. Forbes Financial Advice Specialist
- Viv Forbes† Geologist with Special Interest in Climate, Founder of [www.carbon-sense.com](http://www.carbon-sense.com), Queensland, Australia
- 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

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- Guy Grocott  
MSc Engineering Geology, Retired Consulting Engineering Geologist/ Geotechnical Engineer
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BSc, Author of the paper "Global Warming Misunderstood" and the paper "The Impact of Greenhouse Gases on Earth's Spectral Radiance"
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PhD Geologist, Energy geoscientist, Natural resources professional, retired
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PhD Biochemistry, Medical Research 1997, Australian National University, Retired
- Erl Happ  
Managing Director at Happs
- John Happs  
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- 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
- Emeritus Professor Angus Hooke  
Emeritus Professor, Universal Business School Sydney
- Selwyn Hopley  
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- Antonia Howarth-Wass  
Mathematician, Author on Local Climate Articles
- Geraint Hughes  
Climate Researcher, Mechanical Building Engineer, Climate Researcher
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BSc and MSc degrees in geology, consulting geologist in the mining industry, member of the Australian Institute of Geoscientists
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- Paul Ingram  
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- Mr. Anthony Jackson  
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- Ian Johnson  
Bachelor of Engineering, consultant
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IT consultant, retired, frequent contributor to Watts Up With That?
- Prof. Aynsley Kellow  
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- Alison Kelsey  
PhD, Palaeoclimatologist and Archaeologist, University of Queensland
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Climate Researcher, Expert in Information Technology
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Occupational Psychologist, author and Chairman and Co-Founder of Climate and Energy Realists Queensland
- William Kininmonth  
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- David Knox  
IT professional, bachelors in business (Uni of South Australia) and a Masters degree in business administration (Charles Sturt University)
- Rosemarie Kryger  
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- Hugh H. Laird  
Retired Tropical Agriculture Executive

#### Australia continued

- Peter Laznicka  
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- 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  
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- John Ross May  
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- 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  
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- Jim Mcgregor-Dawson  
Geologist and informed scientist on the subject of Climate Science
- Rodney Mckellar  
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- John Mclean  
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- Ross Mcleod  
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- Peter R. Meadows  
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- Paul Messenger  
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- John Michelmore  
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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 Morgan  
Prominent Australian Mining Executive, Fellow of the Australian Academy of Technology, Science and Engineering (FTSE)
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- David Parsons  
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- Suzana Podreka  
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- Alistair Pope  
PSc, CM, Sceptical Scientific Contrarian in the Climate Debate
- Robert Pyper  
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- 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

#### Australia continued

- Tim Riley
  - John Cameron Robertson
  - Philip Lance Robinson
  - Nigel Rowlands
  - George (rob) Ryan
  - Judy Ryan†
  - Tony Schreck
  - Pasquale Seizis
  - Geoffrey Sherrington
  - Jim Simpson
  - Mark Sloan
  - Case Smit
  - Edward Smith
  - Lee Smith
  - Peter Smith
  - Mark Sonter
  - Dr. Libor Spacek
  - Darren Speirs
  - Geoffrey Stocker
  - Dr. Nancy Enid Stone
  - John Stone
  - Rodney R. Stuart
  - Roger Symons
  - James Taylor
  - Tony Thomas
  - Rustyn Wesley Thomas
  - Baki M. Top
  - John W. Turner
  - Ralph J. Tyler
  - Peter Tyrer
  - Dr. Julian Vearncombe
  - Terrence Vincent
  - John Vucko
  - James Walter
  - John Warnock
  - Chris Warren
  - Alan C. Watts
  - Colleen J. Watts
  - Glyn Weatherall
  - Chris Wijns
- Mining Geologist  
Author of CO2 Feeds the World and The Climate Change Delusion  
Chemical Engineer, lifetime experience in the aluminium and steel industry  
Retired from Mining and Exploration Industry  
Professional Geologist  
Editor Principia Scientific Institution Australia  
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Mechanical Engineer, climate critic  
Geoffrey Sherrington, Retired Chief Geochemist, Geopeko Limited  
Retired after 45 years in the international Telecoms industry - OTC(A), then Telstra. Nowadays Convenor, The Climate & Energy Realists of Five Dock', Sydney Australia  
Earth Scientist  
Retired Scientist; co-founder of the Galileo Movement  
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University Lecturer in Spatial Technology, Responsible for State Government Precise Monitoring of Sea Level and International Sea Boundaries  
Geologist (Retired), New South Wales  
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Retired Expert in Energy Industry, Tasmania  
Professional Engineer, Expert in Temperature Control of Industrial Buildings  
Electrical Aerospace and Astrophysics Engineer, Computer Modelling Researcher  
MA, B.Ec, journalist and author for more than 60 years  
Retired Aircraft Engineer  
Senior Agricultural Scientist, Freelance Consultant Agricultural and Food Production & Agribusiness  
Science Educator, Noosa Heads  
Retired Senior Principal Research Chemist, CSIRO, expert in conversion of coal and natural gas to liquid fuel  
Project Controls Engineer in Mining Industry  
PhD, Geologist, Fellow Australian Institute of Geoscientists  
Security Engineer, Small Business Adviser AIST, ASIAL, SMBE  
Electrical Engineer, Nationally Awarded Consultant  
Medical Doctor  
Astro Economist  
Retired Engineer, Design and Construction of Dams and feasibility of Coal Mines  
Medical Practitioner specialized in Effects of Infrasound on HumanHealth  
Retired Environmental Scientist with specialization in Aquatic Chemistry and Environmental Consequences of Renewable Energy  
Energy Resources Advisor  
PhD, 30-year career in exploration and solid earth geophysics

#### Australia continued

- Neil Wilkins
  - Richard Willoughby
  - Lawrence A. Wilson
  - P.C. Wilson
  - Michael Wilson
  - Philip Wood
  - Dr Michael Wort
- Retired Geologist  
retired electrical engineer with thirty years experience in the Australian mining and mineral processing industry  
Professional Chemical Engineer, Melbourne  
Former Journalist with the A.B.C. Queensland  
PhD, DSc, Emeritus Professor, former Executive Dean UWS, Former Chief Research Scientists CSIRO, Low Emissions Transport Fuels Leader  
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 CO2 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



#### 43 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

##### 41 Signatories

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

### Belgium continued

- Christophe De Brouwer MD, Honorary Professor of Environmental and Industrial Toxicology, Former President of the School of Public Health at the Université Libre de Bruxelles
- 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
- Alexandre G. Clauwaert Brussels Polytechnic, Civil Engineer
- Alain Colignon Surgeon, Brussels University (ULB), Professor of Laser Physics at Paris V René Descartes, Specialist in medical Ultrasound.
- Rudi Creemers Eur. Ing. MSc Electronics-ICT, Network engineer/manager, retired since 2024
- Benjamin Damien PhD in Molecular biology and serial entrepreneur
- Ferdinand Engelbeen Former Chemical Process Automation Engineer, Akzo Nobel Chemicals
- Samuel Furfari Professor of Energy Geopolitics at the Free University of Brussels
- Georges Geuskens Emeritus Professor of Chemistry, Free University of Brussels and Expert Publicist on Climate Science
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- Jan Goffa Civil Engineer Applied Mechanics, Retired lecturer in thermo- and aerodynamics
- Dr. Volkmar Hierner degree in business administration and economy, retired coach of companies in increasing the effectiveness of their organization
- Jan Jacobs Science Journalist Specializing in Climate and Energy Transition
- Guy Janssen MSc Applied Sciences (civil engineer electromechanics), MSc Nuclear Engineering, Reactor Sciences, experienced conventional electric power expert
- Vincent Kemme Retired biology teacher
- Raymond Koch Retired Research Director at Lab. Plasma Physics, RMA Brussels and Fellow Lecturer at UMONS
- Rob Lemeire Publicist on Environmental and Climate Issues
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- BSc. Frank Merkenhof BSc. Active in Business Engineering
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- Bart Ooghe Geologist & Geophysicist, Independent Scientist
- Luc Opdecamp "The agronomist-philosopher" (independent researcher), Agronomist (Soil science)
- Jaak Peeters Psychologist and Writer
- Eric Perpète Microcomputed Tomography Scientist, FNRS Senior Research Associate in Chemical Physics
- Wouter Pinxten Safety & compliance expert
- Paul Plissart Civil Engineer and Environmental Engineer
- Michel Pollyn MSc in Energy Science, Retired engineer. Lifetime career in industrial process water treatment and energy projects
- Dr. Hugo Poppe Emeritus hoogleraar, Weer- en Klimaatkunde, KU-Leuven, 1966-2002
- Alain R. Préat PhD in Geology, Emeritus Professor at Université Libre de Bruxelles
- Danie Roettger MSc. Engineering, lifetime career in energy conversion system development
- Phil Salmon Computer Tomography Scientist, Kontich
- Paul Scheers MSc Engineer in Chemistry and Nuclear Physics
- Rémy Sproelants Civil EngineerRetired CEO 'RESPRO Languages & Consultancy', Team H2 SALK/ ThinkTank/Engineering
- Jozef Verhulst PhD, Chemistry, Author
- Jean Van Vliet Retired Specialist in Space Weather
- Dr. Marc Wathelet PhD in Molecular Biology, Free University of Brussels
- Appo Van Der Wiel Senior Development Engineer



## 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  
PhD in Nuclear Engineering, Career in R&D and Education in topics related to Nuclear and Petroleum Engineering
- Dr. Peter Brian Bayley  
PhD, lifetime experience in Aquatic Ecology and Fisheries, retired from Dep. Fisheries & Wildlife, Oregon State University
- Jose Nestor Cardoso  
Professor on first oceanography course in Latin America, Pioneer on Brazilian expedition to Antarctic, First scientific diver for Brazil from CMAS
- Mario de Carvalho Fontes Neto  
Agronomist, Editor of 'The Great Global Warming Swindle'
- José Bueno Conti†  
Geographer and Professor of Climatology, Full Professor of the Geography Department at the University of São Paulo (USP)
- Dr. Johnson Delibero Angelo  
Master and Ph.D. in Material Science, Industrial Chemist, Emeritus Collaborating Professor of Postgraduate Studies in Mechanical Engineering at UFABC
- Prof. Dr. Ricardo Augusto Felicio  
BSc Meteorology - USP, MSc Antarctic Meteorology and Satellites - INPE, PhD in Climatology - Physical Geography - USP
- Richard Jakubazsko  
Executive Editor of Agro DBO Magazine and Co-Author of the Book 'CO2, Warming and Climate Change: Are you kidding us?'
- Dr. George Lentz Cesar Fruehauf  
BSc. Doctor of Sciences – USP, MSc. Meteorology – SJSU, expert in environmental engineering
- Agnaldo Martins  
professor and researcher at the Department of Oceanography and Ecology at the Federal University of Espírito Santo
- Prof. Luiz Carlos Badicero Molion  
PhD, Retired from National Institute for Space Research (INPE) and Federal University of Alagoas (UFAL). Presently, Climate consultant for agribusiness
- Prof. Marcos José de Oliveira  
Environmental Engineer, Master in Climatology, Author of research articles about climate cycles and natural causes of climate change
- Fernando Paiva  
PhD Animal Science, Full professor at the Federal University of Mato Grosso do Sul
- José Carlos Parente de Oliveira  
Physicist, Professor at the Federal Institute of Education, Science and Technology of Ceará (IFCE), Retired Associate Professor of the Federal University of Ceará (UFC)
- Paulo Pimenta  
PhD in Aerospace Engineering, Professor for Solid and Structural Mechanics, University of São Paulo
- Guilherme Polli Rodrigues  
Geographer, Master in Climatology, Environmental Consultant
- Adelino de Santi  
BSc Biology and Ecology, MSc Applied Ecology, Biologist, works with environmental education, licensing, restoration, sustainability management and staff supervision
- Geraldo Luis Saraiva Lino  
Geologist, Author of 'How a Natural Phenomenon Was Converted into a False Global Emergency'
- Marcello Silva Sader  
Graduated in Veterinary Medicine and Computer Sciences
- Daniela de Souza Onca  
Professor of the Geography Department of the State University of Santa Catarina (UDESC)
- Igor Vaz Maquieira  
Biologist, Specialist in Environmental Management



## 2 SIGNATORIES FROM BULGARIA

### 2 Signatories

- Ivan Daraktchiev

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

## Bulgaria continued

- Fabrice Toussaint

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



## 151 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

### 149 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
  - Hortense Côté
  - Susan Crockford
  - Norman Curry
  - Charles Dantén
- 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.

#### Canada continued

- John Bruce Davies  
BSc Physics and Mathematics, MSc Geoscience, PhD Geophysics and Astrophysics, awards for research on cosmology and fundamental physics.
- Ronald Davison  
Professional Chemical Engineer, President of Friends of Science Society
- Dr. E. David Day  
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- A.E. Dixon  
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- Claude Duplessis  
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- Lee Eddy  
President of Blue Rock
- Craig A. Elliott  
MSc Mechanical Engineering, Design Consultant, President at CAElliott Inc
- Ashton Embry  
Research Geologist, Embry Holdings
- Christopher Essex  
Emeritus Professor of Mathematics and Emeritus Professor of Physics, University of Western Ontario
- 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 Gallagher  
Earth Scientists, life-long career in the study of paleoclimate, geology and earth ocean systems, see <https://www.youtube.com/watch?v=pj-Iu11317E>
- MSc , RPBio Martin Gebauer  
Active environmental consultant. President of Gebauer & Associates Environmental Consultants Ltd., President of Nunavut Environmental Consulting Ltd.
- 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
- Paul A. Johnston  
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

#### Canada continued

- Andre Julien
  - Klaus L.E. Kaiser
  - Bogdan Kasprzak
  - Madhav Khandekar
  - David Koop
  - Kees Van Kooten
  - Emil Koteles
  - Jean Laberge
  - Sherri Lange
  - M.J. Lavigne
  - Douglas Leahey
  - Professor Denis Leahy
  - Dr. Catherine Lebrun
  - Robert Ledoux
  - Dick Leppky
  - Richard Lewanski
  - H. Douglas Lightfoot
  - Gerald Machnee
  - Allan M.R. Macrae
  - Paul Macrae
  - Joanne Marcotte
  - Michael Martinz
  - J. David Mason
  - Stuart Mcdonald
  - Dwight Mcintosh
  - Norman Miller
  - Ron Mills
  - Randall S. Morley
  - Dr. Thomas F. Moslow
  - Roland Moutal
  - Prof. Frank Mucciardi
  - Eiichiro Ochiai
  - Christian Olivier
  - Robert Orr
  - Scott Patterson
  - Andy Pattullo
  - Steven Pearce
  - Prof. David A. Penny
  - Gregory Phillips
- MSc Mechanical Engineering, Thermodynamics Expert, over 40 patents published
- Retired Research Scientist, National Water Research Institute, Author of Numerous Press Articles
- Professional Geoscientist, life time experience in data modelling, data analysing and data interpretation
- Expert Reviewer IPCC 2007 AR4 Report
- BSc,Analytical Chemist
- Professor of Economics and Canada Research Chair in Environmental Studies and Climate, University of Victoria
- PhD in Solid State Physics, Max Planck Institute in Stuttgart, National Research Council of Canada, visiting professor at Zhejiang University in Hangzhou, retired
- Professeur Retraité de Philosophie, CEGEP du Vieux Montréal
- CEO North American Platform Against Wind Power, Great Lakes Wind Truth
- MSc, Professional Geologist
- PhD, Meteorology, Former President of Friends of Science
- PhD in Astrophysics, Full Professor in the Department of Physics and Astronomy, University of Calgary
- PhD, Management, HEC Montreal
- PhD, Professeur Retraité en Géologie, Université Laval
- Retired businessman and Independent Truth Seeker
- Bsc (Hons) in Geophysics from the university of Manitoba, Exploration Geophysicist, Founder and CEO of several exploration and production companies in the oil industry
- Research Engineer in the Chemical Industry, Co-Founder of the Lightfoot Institute, papers on Alternative Energy and Atmospheric CO2
- Retired Meteorologist, Environment Canada
- Retired Engineer
- Independent Climate Researcher
- Bachelor's Degree in Computer Engineering and Author of "Inconvenient Doubts - Climate Change Apocalypse: Really?"
- Radio Podcast Host, Climate Realist, Activist, former Industrial Consulting Forester
- Applied Geologist, BAsc, Applied Geology, MEng., Mining
- Retired Canadian Insurance Broker
- 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
- Former P.Eng, now Retired
- Geologist/geochemist Emeritus NS Geological Survey
- veterinary epidemiologist, retired
- PhD, P. Geol., President Moslow Geoscience Consulting Ltd., Adjunct Professor Department of Geoscience, University of Calgary
- Teacher Physics and Chemistry at Vancouver Community College
- retired Professor in the Department of Mining and Materials
- Engineering at McGill University Montreal, research focus on energy, heat transfer, fluid mechanics and modeling
- Emeritus Professor, Juniata College (USA)
- former Postdoc @ UC Berkeley
- Historical Linguist
- Professional Geologist
- Associate Professor of Medicine at the University of Calgary
- PhD, Lecturer
- PhD, Former Associate Professor, Dept. of Computer Science, University of Toronto, currently CTO at BlueCat Networks
- Retired Agrifood Industry Professional, with research background in biology, economics and policy formulation.

#### Canada continued

- 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
  - BSc Chem. Eng. P.Eng. Member of Association of Professional Engineers and Geoscientists of Alberta
- Michael Priaro
  - Professor Emeritus, Computer Science McGill University, Montreal
  - aerospace engineer, specialised in aerodynamics, life time career in the international aerospace industry
- Gerald Ratzer
  - PhD in Mechanical Engineering, specialization in computer modelling of fluid flow and heat transfer, current field of work in technology management
- John Angus Raw
  - BSF degree, Registered Professional Forester, lifetime experience in the forestry industry
- Dr. Michael Raw
  - Professor Emeritus of Mathematics, Simon Fraser University, British Columbia
- Robert Reid
  - PhD, Géologie, Geologue Retraité
- Norman Reilly
  - Historian, Journalist, Documentary Filmmaker
- Gérald Riverin
  - Retired Research Scientist, Natural Resources
- John Robson
  - Professor of Geodesy, University of New Brunswick
- Peter Salonius
  - BSc, Professional Engineer Ontario, Research Scientist, Author/ Lecturer 'Review & Analysis of Climate Change', Member Friends of Science
- Marcelo C. Santos
  - Professor of Geodesy, University of New Brunswick
- Paul R. Schmidt
  - BS, 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 Shepheard
  - 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
  - psychiatrist with a particular interest in mass hysteria, authoritarianism and social compliance
- Duncan Veasey
  - 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
- Prof. Dr. Ir. Frank C.J.M. Van Veggel
  - PhD, Professeur Ingénieur, Université du Québec à Chicoutimi
- Jean-Joel Vonarburg
  - PhD Chemistry, lifetime career in the environment department of a research consortium
- Dr. Ronald Voss
  - PhD Chemistry, lifetime career in the environment department of a research consortium

#### Canada continued

- Robert Wager
  - Dr. Helen Warn
  - Dr. Thorpe W. Watson
  - Larry Weiers
  - William Van Wijngaarden
  - Kenneth W. Wilson
  - Daryl Youck
  - Al Zeeper
- BSc and MSc, Microbiological Sciences and Immunology, Biochemistry and Molecular Biology, Retired
- PhD in Fluid Dynamics from McGill University
- material science, lifetime career in the mining industry with focus on intellectual property protection
- energy engineer, retired, author of "Sustainability of the Modern Human Economy"
- 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 Croatian 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/>



## 22 SIGNATORIES FROM CZECH REPUBLIC

### 21 Signatories

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



## 15 SIGNATORIES FROM DENMARK

### 1 WCD Ambassador

- Jens Morten Hansen

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

### 14 Signatories

- Bjarne Andresen
  - Claus Beyer
  - Steffen Frederiksen
  - Dr. Hans Götzsche
  - Frank Hansen
- Professor of Physics, Niels Bohr Institute, University of Copenhagen  
Geologist, gen.manager for CB-Magneto, possessing palaeomagnetic laboratory  
MSc Economics, Climate Economics, Cost benefit analysis of CO2  
Emeritus Associate Professor, Linguistics and Philosophy of Science, President Nordic Association of Linguists (NAL), Director, Center for Linguistics, Aalborg University  
Emeritus Professor, Department of Mathematics, University of Copenhagen

## Denmark continued

- Niels Harrit
  - Søren Kjærsgaard
  - Johannes Krüger
  - Knud Larsen
  - Peter Locht
  - Peter Kjær Poulsen
  - Steen Rasmussen
  - Niels Schröder
  - Pavel Svennerberg
- PhD, Emeritus Associate Professor of Chemistry, Dept. Chemistry, University of Copenhagen  
Professional Chemical Engineer  
Emeritus Professor, Dr. Scient, Department of Geosciences and Natural Resource Management, University of Copenhagen  
PhD, Natural Sciences  
Senior Lecturer, Business Academy Aarhus (statistics)  
Metering Engineer  
Bsc in Electrical Engineering from Denmark Technical University, lifetime career at IBM Denmark Aps  
Geophysist/Geologist, Associate Professor Institute of Nature and Environment, Roskilde University  
Master of engineering, Technology of oil and gas processing



## 1 SIGNATORY FROM ECUADOR

### 1 Signatory

- Fernando Villon

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



## 3 SIGNATORY FROM ESTONIA

### 2 Signatory

- Jaak Hennö
- Tõnu Kalvet
- Andres Saukas

PhD, Mathematician, Information Technology

A freelance journalist and translator. Editor of numerous podcasts on energy, all of them representing a sceptical view towards the so-called Green Deal.

Diploma Electrical Engineer, Estonian Society of Moritz Hermann Jacobi



## 7 SIGNATORIES FROM FINLAND

### 7 Signatories

- Merit Enckell
- Christer Kald
- Simo Mykkänen
- 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

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

Centre National de la Recherche Scientific, Paris  
Environmentalist

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

Full Professor at the University of Pau, Geophysicist

#### France continued

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

#### France continued

- Hubert Dulieu  
Emeritus Professor Applied Ecology, Formerly Senior Researcher in the CNRS, President of the National Scientific Research Committee, Vegetal Biology Section (XXVII)
- Dr. Denis Dupuy  
Urologist, climate realist
- Bruno Durieux  
Economist, Former Minister of Health and of Foreign Trade, Ancient Administrator of the French National Institute of Statistics and Economic Studies (INSEE)
- Ralph Ellis  
Bsc in Aviation, ATPL
- Max Falque  
International Consultant in Environmental Policy
- Serge Ferry  
PhD, Retired Teacher-Researcher (MCF), University of Lyon
- Patrick Fischer  
Associate Professor in Applied Mathematics, University of Bordeaux
- Michel Frenkiel  
Engineer (Arts et Métiers), Former Researcher with NCAR at Boulder
- Francis le Gaillard  
PhD, Natural Sciences and Pharmaceutical Sciences, Emeritus Professor of Biochemistry at the Faculty of Pharmaceutical Sciences of Toulouse
- François Gauchenot  
Governance Specialist, Founder of Saint George Institute
- 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
- Francois Gervais  
Emeritus Professor of Physics and Material Sciences, University of Tours
- Philippe Giraudin  
Ecole Polytechnique Paris, Geographic Sciences
- Bernard Grandchamp  
Agronomic Engineer and Environment & Plant Defense Expert, Managing Director of Famoux Chateaux Viticoles in Bordeaux
- Gilles Granereau  
Former Meteorologist, currently Project Manager Environment and Tourism, Worked on Coastal Risks, Marine Erosion, Sand Dune Fixation, Hydraulics, Forest Management, Botany
- René Guénon  
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 Lucaleau  
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

#### France continued

- Dr. Yves G. Maria-Sube PhD in Geosciences Montpellier University, lifetime career in the geo-energy industry
- Paolo Martinengo Applied Physicist, Senior Staff Member in the Experimental Physics Department, Detector Technologies Group, CERN
- Patrick Mellett Architect and CEO
- Marc le Menn PhD, Head of Metrology-Chemistry Oceanography Lab, Brest
- Henri Mertz Ingénieur Civil de l'école de la Métallurgie et des Mines de Nancy, Chef d'Entreprises
- Serge Monier former manager of various multinational companies, at present Co-founder and Treasurer of 'Climat et Vérité'
- Jean-Laurent Monnier Emeritus Research Director, CNRS-Université de Rennes, Research Worker at the CNRS from 1973 to 2013, speciality in Pleistocene Geology in Western Europe
- Jacques-Marie Moranne Retired Engineer (Ecole Centrale de Lille), Specialist in Air and Water Purification, Chemical and Nuclear Engineering
- Serge Morin Emeritus Professor Geography at Université Michel de Montaigne, Bordeaux, Honorary Mayer 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 Ripoche 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
- Betrand Rouffiange Doctor of Medicine, specialized in Radiology
- Jean Rouquerol Emeritus Research Director at CNRS Marseille, Expert in Gas Adsorption and Calorimetry
- Georges de Sablet Retired Associate Professor at University of Paris Descartes, formerly in charge of Operating Systems and Networks at IUT Paris
- Jorge Julian Sanchez Martinez PhD in Physics, Msc in Solid State Physics MsC in Maths
- François Simonet PhD, Biology, Former Director for Planning and Foresight in a State Agency for Water and Aquatic Ecosystems Management
- Zakaria Tarif Scientific engineer specialized in electrical energy and telecommunications
- Luc C. Tartar Mathematician, corresponding member of Académie des Sciences in Paris, University Professor of Mathematics emeritus at Carnegie Mellon University, Pittsburgh, PA
- Marcel Terrier Ex Engineers in Industry, Former Teacher at the Douai School of Mines
- Michel Thizon Chemical engineer, ACR (Association des Climato-Réalistes, France) member, former researcher at the Ecole Polytechnique, consultant, retired
- David Uzal PhD philosophy of technics and PhD of practical philosophy

#### France continued

- 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"), developper and author
- Brigitte van Vliet-Lanoë  
Geoscientist, Emeritus Research Director (CNRS, Université de Bretagne Occidentale), Stratigraphy and Paleoenvironments, Quaternary and Holocene
- Théa Vogt  
Retired CNRS Searcher, Géomorphology, Quaternary Palaeoenvironments, Soil and Desertification Remote Sensing
- Henry Voron  
Retired Civil Chief Engineer, specialized in Water Management



#### 124 SIGNATORIES FROM GERMANY

##### 1 WCD Ambassador

- Fritz Vahrenholt

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

##### 123 Signatories

- Detlef Ahlborn  
PhD, Expert on German Energy Transition (Energiewende)
- Prof. Dr. Peter Altmiks  
Professor of Economics, FOM Hochschule für Oekonomie und Management Hannover
- Patrick A. Baeuerle  
Serial entrepreneur, co-founder of eight biopharmaceutical companies, cancer drug developer, inventor, molecular biologist, and a member of the CO2 Coalition
- Hans-Jürgen Bandelt  
Emeritus Professor of Mathematics, University of Hamburg
- Dietrich Bannert  
Professor Honoris Causa, University of Marburg
- Graham George Baumber  
former agronomist & irrigation crop specialist, business man & investor
- Dr. Lars Birlenbach  
Dr. in Chemistry, University of Siegen
- Michael Bockisch  
Emeritus Professor Chemistry at the Technical University of Berlin
- Thomas Bode  
Spezialist Elektronik
- Klaus-Dieter Böhme  
Dipl. Physicist, professional experience in X-ray spectroscopy
- Thomas Brey  
PhD in Natural Sciences (Dr. rer. nat), Marine Ecological Researcher
- Stephan Bujnoch  
Wirtschaftsingenieur (i.e. a combination of economics and engineering), retired manager with the automotive industry
- Martin Bülow  
Emeritus Professor of Physical Chemistry at the Leibniz Sozität der Wissenschaften zu Berlin, e.V.
- Eike-Mattias Bultmann  
Geoscientist
- Prof. (i.R.) Dr.rer.nat Eberhard Burkel  
Prof. (i.R.) Dr.rer.nat, Physics of New Materials, University of Rostock
- Dr. Arthur Chudy  
Agricultural Chemist, OT Warsaw
- Dr. Günter Dedié  
Dipl. Physiker
- Prof. Dr. Hans Demanowski  
Engineer, Professor of Packaging Technology, BHT, Berlin, expert in Counterfeit Protection, holder of several Patents in this field
- Dr. Joachim Dengler  
Physicist retired, PhD, patent holder in fingerprint analysis, work on relation between CO2 emissions and concentration
- Dr. Ing. Rolf Diederichs  
Studie Eisenhüttenkunde in Clausthal-Zellerfeld, climate realist
- Prof. Dr. Klaus D. Döhler†  
Professor of Pharma Sciences, University of Hannover
- Wolf Doleys  
Retired teacher (high school, college) and writer (essay, poetry, novel)
- Joerg Dornemann  
Msc in Geology, lifetime career in the Geo-Energy Industry
- Jörg Eichner  
Specialist in situational awareness in crises and risk management
- Friedrich-Karl Ewert  
Emeritus Professor Geology, University of Paderborn
- Ludwig E. Feinendegen  
Emeritus Professor Medicine
- Dr. Dieter Freundlich  
retired senior lecturer Griffith University, School of Humanities, Brisbane, Australia
- Gerhard Gerlich†  
Emeritus Professor of Mathematical Physics, TU Braunschweig
- Axel Robert Göhring  
Doctor of Natural Sciences, EIKE e.V.
- Dr. Klaus-Jürgen Goldmann  
worldwide experienced petroleum geologist
- Dr. Christian Habermann  
Dr. in Economics, Investment Manager

### Germany continued

- Dr. Uwe Häcker  
Pysicist/IT Specialist
- Eberhard Happe  
Eisenbahningenieur
- Hermann Harde  
Emeritus Professor of Experimental Physics and Materials Science, Helmut Schmidt-University, Hamburg
- Prof. Dr. Bernd Hartke  
Professor in Theoretical Chemistry, Expert Knowledge in Computer Modelling, University of Kiel
- Manfred Hauptreif  
Natural Scientist
- Dr. Fleck Helmut  
langjährige berufliche Tätigkeit als Projektkoordinator in einer Großforschungseinrichtung
- Dennis J. Hendricks  
Graduated Engineer of Environmental Technologies, Technischen Hochschule Ostwestfalen-Lippe, University of Applied Sciences and Arts
- Dietmar Hildebrand  
PhD Biophysics and Nuclear Physics, patent holder in fuzzy logic based surveillance, IT expert and development manager
- Dr. Jens Hofele  
Chemist, developer of low-carbon cement compositions
- Dr. Andreas Hoppe  
Systems biologist, Institute for Bee Research
- Heinz Hug  
Chemistry, Master (Diplom Chemiker), PhD (Dr. rer. nat.), lecturer at Paul-Ehrlich-Schule (Frankfurt, Germany), Technical College affiliated to the former Hoechst AG
- 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  
Emeritus Professor for Clinical Chemistry and Clinical Biochemistry Ruhr University Bochum
- Gunther Klessinger  
Physicist, University at Regensburg Germany and Boulder Colorado
- Dr. André Knoth  
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, dealled with the energy industry and climate change
- Horst-Joachim Lüdecke  
Professor of Operations Research (i.R.) HTW of Saarland, Saarbrücken

### Germany continued

- Hermann Luyken
- Wolfgang Merbach
- Prof. Lothar W. Meyer
- Prof. Dr. med. Marcus Moller
  - Jens Möller
  - Wolfgang Monninger
  - Klaus Morawetz
- Werner Mormann
- Dipl. Phys. Raimund Müller
- Holger Neulen
- Prof. Dr.rer.nat Dr.med Peter Nielsen
  - Rainer Olzem
  - Flo Osrainik
  - Hans Penner
  - Lutz Peters
- Dr. Dr. Wätzold Plaum
- Michael Principato
  - Dieter Ramcke
  - Siegfried Reiprich
  - Mathias Ricking
  - Andreas Salzman
  - Prof. Dr. Dieter Schildknecht
  - Dr. Hendrik Schlesing
  - Christoph Schmidt
  - Dr. Martin Schmidt
- Dr.-Ing. Stefan Schmidt
- Hans Joerg Schmidt
  - Dr. Jens-Christoph Schneider
  - Dr. rer. nat. Michael Schnell
  - Prof. Dr. Dr. Karl-Heinz Schulz
- Thomas Schulze
- Dipl. Psych. Ulrike Schwan
- W.H. Eugen Schwartz
- Dr.-Ing. Christian Singewald
- Attila Sonal
  - Dr. Fritz Sontheimer
  - Dr. Gerhard Stehlik
  - Dr. Wolfgang Strehlau
  - Lothar Strenge
  - Manuel Tacanho
  - Matthias Thiermann
  - Dr. Holger Thuss

#### Germany continued

- |                         |   |
|-------------------------|---|
| • 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  |
| • Thomas Weimer         | Process Engineer (Dr.-Ing.), worked on CO2 capture from atmosphere and during hydrogen generation   |
| • Toon Weisenborn       | PhD in Theoretical Physics, Emeritus scientist  |
| • Carl-Otto Weiss       | Emeritus Professor in Non-linear Physics, Advisor to the European Institute for Climate and Energy, Former President of the German Meteorological Institute, Braunschweig |
| • Roland Wiesendanger   | Professor of Experimental Physics, University of Hamburg, Germany   |
| • Dr. Peter Willingmann | Dr. rer.nat   |
| • Lutz Wimmer           | MSc Climate- and Environmental Change (Geography)   |



#### 28 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

##### 27 Signatories

- |                                  |  |
|----------------------------------|--|
| • Prof. Dr. Stavros Alexandris   | Former Professor of Agricultural Meteorology at the Agricultural University of Athens, Dept. of Natural Resources & Agricultural Engineering   |
| • Dr. Andreas Angelakis          | PhD in Soil Physics, Researcher in Water Science and Technology  |
| • Ioannis Benekos                | 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   |
| • Dr. Konstantinos Chartzoulakis | Ex Director of Olive Tree & Subtropical Plants, Head of Irrigation Dept.   |
| • Michalis Chiotinis             | Architect Engineer NTUA, PhD Candidate, Department of Water Resources and Environmental Engineering, National Technical University of Athens   |
| • Prof. Dimitrios Christakis     | Emeritus Professor, Power Systems Synthesis Lab. Hellenic Mediterranean University   |
| • Antonis Christofides           | PhD, Senior developer with decades-long research activity on the Climate   |
| • Dionysis Drosos                | Emeritus Professor of Moral and Political Philosophy, Aristotle University of Thessaloniki   |
| • Dr. Apostolos Efthymiadis      | PhD (MIT 1984), Dipl. Mech.-Elec. Eng. (National Technical University of Athens 1978). Manager of Technometrics Ltd, long standing critic of the scientific validity of so-called anthropogenic climate change, deeply influenced by Aristotelian philosophy |
| • Costas Fasseas                 | Emeritus Professor of Plant Anatomy & Electron Microscopy, Department of Crop Science, Agricultural University of Athens   |
| • Anthony Foscolos†              | Emeritus Professor of Mineral Resources at the Technical University of Crete, Energy Consultant for the United Nations Development Program (UNDP)  |
| • Chris Fytas                    | PhD, MSc in Chemistry, Chemist, Lyophilization Scientist   |
| • Christos D. Georgiou           | MSc (with Honors) in Biochemistry, PhD in Biology-Biochemistry, Emeritus Professor of Biochemistry   |
| • Dr. Nikolaos Katsoulakos       | 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                  |
| • Dr. Vassilios C. Kelessidis    | PhD in Chem. Engineering, former Professor of Petr. Engineering at, Khalifa University Abu-Dhabi, Texas A&M at Qatar, Technical University of Crete Greece   |

#### Greece continued

- Dr. Christos J. Kolovos Independent Energy Consultant, Mining & Metallurgy Engineer, Former Director of Mine Planning & Contractor Works Dept., PPC SA/WMLC, ck-energy.blogspot.com
- Emmanouil Kopanakis Mechanical Engineer, Teacher at the Environmental Education Center of Karpenisi Germany continued
- Prof. Demetris Koutsoyiannis Professor Emeritus of Hydrology and Analysis of Hydrosystems at the National Technical University of Athens
- Aristotelis Liakatas Emeritus Professor of the Agricultural University of Athens on Agrometeorology, Member of the Greek Agricultural Academy
- George Maglaras Associate Director in Bioresources and Waste Management in multinational multidisciplinary engineering consultancy
- Prof. Dr. Nikolaos Malamos Associate Professor of Soil Hydrology and Drainage, Department of Natural Resources Development and Agricultural Engineering, Agricultural University of Athens
- Prof. Nikos Mamassis Professor of Engineering Hydrology and Hydrometeorology at the National Technical University of Athens
- Charilaos Markopoulos MSc in Waste Management
- Spyridon Nikiforos Economist, MBA
- Dr. Miltiadis Nimfopoulos PhD in Earth, Atmospheric and Environmental Sciences, lifelong career in Applied and Environmental Geochemistry
- Sonia Perez† PhD, Biology/Immunology, Scientific Coordinator Cancer Immunology and Immunotherapy Center Saint Savas Cancer Hospital, Athens
- Michael Sidiropoulos Principal Engineer, FortisBC



#### 2 SIGNATORIES FROM GUATEMALA

##### 2 Signatories

- Jorge Chapas agronomist, environmental economics specialist, writer, spokesman of climate realism and conservative politician.
- Christopher Lingle PhD Economics Universidad Francisco Marroquín



#### 10 SIGNATORIES FROM HUNGARY

##### 1 WCD Ambassador

- Laszlo Szarka Geophysicist, O.M.

##### 9 Signatories

- Dr. Dezso Csejtei retired professor of philosophy at the University of Szeged
- Dr. József Majer Dr. Senior Professor of Ecology and Environment Protection at University of Pecs
- Dr. Endre Fuggerth lifelong experience in gas-chromatography
- Dr. István Gálfi Concerned citizen
- István Héjjas PhD, Retired R&D Electrical Engineering
- Tom Kauko PhD Geography, Independent Researcher based in Budapest
- József Király Chemical Engineer and one of the Authors of the Hungarian site www.klimarealista.hu
- Gábor Simon MSc Chemical Engineering, University teacher General, Anorganic, Environmental and Analytic Chemistry
- Dr. Gábor Szász 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  
MSc in Meteorology and Oceanography with a PhD in Meteorology, Center for Ocean-Atmospheric Prediction Studies, Florida State University, USA
- Dornadula Chandrasekharam  
retired professor from Indian Institute of Technology Bombay, currently working in Izmir Institute of Technology as TUBITAK Professor working on geothermal energy systems
- Vijay Jayaraj  
Research Associate at CO2 Coalition, Contributor to Cornwall Alliance
- Prem raj Pushpakaran  
PhD in BioTechnology, Professor
- Sanjeev Sabhlok  
Economist with focus on Climate and Energy Policy



## 2 SIGNATORIES FROM INDONESIA

### 2 Signatories

- Dr. Dr Paul D Giammalvo  
PhD, CDT, CCE (#1240), MScPM, MRICS, Senior Technical Advisor, retired
- Purwono Wahyudi  
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  
Electrical Engineer, Specialist in Power System Security
- dr. Dr Timothy Dunne  
PhD Psychology, Consultant Clinical Psychologist working in private practice in Dublin
- Gerald Fitzgibbon  
Physical Chemist specializing in Electrochemistry and Thermodynamics
- David Horgan  
MA (Cambridge), MBA (Harvard), Resource Company Director
- Seamus Hughes  
BAgricSc, Specialist in Genetics
- Mark Gerard Keenan  
Former Science Advisor, Department of Energy and Climate Change, U.K., Former Environmental Affairs Officer, United Nations Environment Division, Geneva, Switzerland
- Ultan Murphy  
BSc (Hons) Chemistry, Industry Science Professional
- Donal O'Callaghan  
electrical engineer, retired food industry research scientist
- Owen O'Brien  
Business Founder and Entrepreneur, MBA, DBA
- Patrick L. O'Brien  
MSc, MPhil, Senior International Environmental Consultant
- J. Philip O'Kane  
Emeritus Professor, School of Engineering, University College Cork
- Peter O'Neill  
Retired, School of Engineering, University College Dublin, Expert Reviewer of IPCC AR6
- Fintan Ryan  
Retired Senior Airline Captain, Fellow Royal Aeronautical Society
- Christian Schaffalitzky  
FIMMM, Founder Institute of Geologists of Ireland, EurGeol
- Dr. Norman Stewart  
PhD, former astrophysicist and meteorologist
- Brian N. Sweeney  
Founding Chairman of Science Foundation Ireland
- Pat Swords  
BE, CEng, FICHEM, PPSE, CEnv, MIEA, Challenger of Over-Reach in Environmental Legislation
- Sean Tangney  
Business Entrepreneur, Former Technical Director, CRH plc
- David Thompson  
BAgricSc, MA, Animal Nutritionist



## 8 SIGNATORIES FROM ISRAEL

### 8 Signatories

- Dr. Gaby Avital  
PhD in Aerospace, member of the Israeli forum for rational environmentalism
- Uriel Cohen  
MSc in Computer Science from Technion - Israel Institute of Technology

### Israel continued

- Prof. Yonatan Dubi  
PhD, Professor of Theoretical Physics and Chemistry at Ben-Gurion University, co-founder of the Israeli Forum For Rational Environmentalism
- Yakov Itenberg  
BSc of Meteorology and Climatology, MSc of Physics Education, 25 years reserve meteorological officer of Israeli Defense Forces Home Front Command
- Micha Klein  
PhD, Emeritus Professor, The Department of Geography and Environmental Studies
- Avner Niv  
PhD of Solid State Physics, Research scholarship awarded by Ministry of National Infrastructures, Energy and Water Resources. Industrial multidisciplinary experimental researcher
- Nir J. Shaviv  
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  
Ingegnere, Associazione Scienziati e Tecnologi per la Ricerca Italiana
- Aldo Aluigi  
Nuclear Engineer, Consultant in Power Plants, Cogeneration and District Heating
- Giampiero Bagni  
Medieval historian, PhD on the multidisciplinary approach to archeological excavation.
- Piero Baldecchi  
Lettore
- Achille Balduzzi  
Geologo, Agip-Eni
- Antonio Ballarin  
Fisico, "Chief Artificial Intelligence Officer" della Pubblica amministrazione
- Donato Barone  
Ingegnere
- Sergio Bartalucci  
Fisico, Presidente Associazione Scienziati e Tecnologi per la Ricerca Italiana
- Giuseppe Basini  
Astrofisico, Deputato, Già dirigente di ricerca dell'INFN
- Francesco Battaglia  
Professore di Chimica Fisica, Università di Modena, Movimento Galileo 2001
- Marco Benini  
Ingegnere idraulico, libero professionista
- Eliseo Bertolasi  
Dottore di Ricerca in Antropologia Culturale
- Giorgio Bertucelli  
Ingegnere, già Dirigente Industriale, ALDAI
- Alessandro Bettini  
Professore Emerito (Fisica) Università di Padova
- Antonio Bianchini  
Professore di Astronomia, Università di Padova
- Luciano Biasini  
Emeritus Professor of Numerical and Graphic Calculations, Director of the Faculty of Mathematical, Physical and Natural Sciences of the University of Ferrara
- Mariano Bizzarri  
PhD, M.D., is Professor of Clinical Pathology in the Department of Experimental Medicine at University Sapienza, Rome
- Paolo Blasi  
Professore Emerito (Fisica) e già Rettore dell'Università di Firenze; già Presidente della Conferenza dei Rettori delle Università Italiane
- Enrico Bongiovanni  
Dottore Commercialista
- Paolo Bonifazi  
Ex Direttore dell'Istituto di Fisica dello Spazio Interplanetario (IFSI) dell'Istituto Nazionale Astrofisica (INAF)
- Roberto Bonucchi  
Insegnante in Pensione
- Giampiero Borrielli  
Ingegnere
- Gilles Bourgeois  
Professional Engineer with 27 years experience in applied thermodynamics in oil and gas
- Francesca Bozzano  
Professore di Geologia Applicata, Università di Roma La Sapienza, Direttore del Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI)

### Italy continued

- Antonio Brambati  
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- Gianfranco Brignoli  
Geologo  
Professore di Geomorfologia, Università di Chieti-Pescara
- Marcello Buccolini  
Professore di Geologia Applicata, Università di Napoli
- Paolo Budetta  
Ingegnere, Ricercatore, Consulente
- Antonio Maria Calabrò  
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- Monia Calista  
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- Massimo Canali  
PhD, Professor, Environmental Engineering, University of Pavia  
Geologo, Borsista presso l'Università di Chieti
- Dr. Andrea Capodaglio  
Professore di Fisica, Università di Bologna e Accademia delle Scienze di Bologna
- Cristiano Carabella  
Lifetime career in electronic engineering and radiocommunications, patent holder in wideband radio signals transmission over fiber optics, Member of The Climate Reality Project
- Peppe Caridi  
Retired Geologist, former Regione Siciliana Assessorato Beni Culturali ed I.S - Italy
- Franco Casali  
Geologist, Retired Professor of Mineralogy, University of Palermo
- Andrea Casini  
MSc in Physics, head of the Instrumentation & Detectors Laboratory, Elettra Synchrotron radiation Source
- Giovanni Cassarino  
Agronomist, specialisation in meteorology
- Guglielmo Castro  
Ingegnere e Climatologo, ALDAI
- Giuseppe Cautero  
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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 Luttikhuizen  
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

### Netherlands continued

- 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  
Developper, 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
- 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  
Biocatalyst, Co-founder and Managing Director of ChiralVision, being specialised in making chemical processes greener
- Frans Schrijver  
Strategy Consultant and Climate Publicist
- Bert Sigmund  
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 Suidam  
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

### Netherlands continued

- J.F. Van De Vate
  - prof. dr. ir. Jan Verheij
  - Hans Verschuur
  - Ing. Henk Verveer
  - Jannes. J. Verwer
  - Koen Vogel
  - Henk Van Der Vorst
  - Bart Vos
  - Rob De Vos
  - Jaap Van Der Vuurst De Vries
  - Henk De Vries
  - Dr. Jules De Waart
  - Dr. André Wakker
  - Karel Wakker†
  - Robert N. Walter
  - Cyril Wentzel
  - Frans A. Van Der Werf
  - Bert Weteringe
  - Dr. Dolf Van Wijk
  - Jaap Wijsman
  - Theo Te Winkel
  - Jan Winkel
  - Wim Witteman
  - Dr. Hans Wolkers
  - Theo Wolters
  - Govert Zijderveld
  - Dr. E.J. (ed) Zuiderwijk
  - Diederik Zwager
- Former Director ECN, Petten, The Netherlands. Former UN Delegate IPCC
- Retired Scientist Applied Physics at TNO Delft, Emeritus Professor of Noise Control Engineering at Eindhoven University of Technology MSc, Geosciences, specialized in Mining
- Civil Engineering HTS Rotterdam, lifetime experience in maritime infrastructure and building services
- Former Director ECN and Former Chairman Supervisory Board State Owned Radio Active Waste Storage Facilities
- Geologist and Geostatistician, lifetime experience in numerical modelling, proficient in evaluating and developing global energy projects
- Emeritus Professor of Numerical Mathematics, University of Utrecht Msc Petroleum Engineering, Lifetime of Experience in the Geo-energy Industry
- Geographer and Editor of "Klimaatgek"
- Emeritus Professor of Petroleum Engineering, Former Dean Faculty of Applied Earth Sciences, Delft University of Technology
- lifetime experience in organised crime, expert in digital forensics
- 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"
- energy expert, lifetime experience in nuclear energy, speaker and writer on energy transition
- Emeritus Professor of Astrodynamics & Geodynamics, Delft University of Technology
- MSc E.E., member Advisory Board 'De Groene Rekenkamer'
- Multi-Physics Engineer and Chairman of Environmental Think Tank 'Groene Rekenkamer'
- Owner int. business and IT consulting and AI-firm & project leader St. Milieu & Mens in higher appeal case Milieudefensie - Shell as independent party
- Author, independent research journalist on energy transition and wind energy.
- Retired, formerly AkzoNobel Environmental Research Laboratory and Former Executive Director Cefic-Euro Chlor, Brussels
- Mechanical Engineer, active in the offshore industry
- Geo Scientist and International Health Care Specialist
- MSc, Chemical Engineering, specialization in Natural Gas Projects, Lifetime Experience in the Geo-Energy Industry
- Professor of Applied Physics and CO<sub>2</sub> lasers, University of Twente
- PhD in Animal Physiology and Environment, Over 20 years of research experience, incl. Arctic ecotoxicology, Science journalist and university lecturer in 'Writing about Science'
- Chairman Environment, Science & Policy Foundation; researcher and speaker on climate and energy
- MSc Mining Engineering, Consultant for all Drilling, Mining and Naval Engineering activities
- Retired Astrophysicist and Data Manager
- 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
- Jock Allison†
- Mario Barbafera

Agricultural Scientist

Retired Agricultural Scientist, Ministry of Agriculture  
MSc Palaeoclimatology, Teacher

### New Zealand continued

- Paul A. Catchpole  
Qualified Land Surveyor & Fellow of New Zealand Institute of Surveyors, Retired Ex Commissioner of the New Zealand Environment Court
- Roger High Dewhurst  
Retired, Geologist/Hydrogeologist
- Geoffrey. G. Duffy  
Professor Emeritus, University of Auckland
- Terry Dunleavy†  
MBE, Co-Founder (2006) and Honorary Secretary New Zealand Climate Science Coalition; Former WCD Ambassador
- Doug Edmeades  
Managing Director agKnowledge Ltd.
- Joe Fone  
CAD Engineer, Enatel Ltd.
- Professor Michael J Kelly  
MA, PhD, SCD, MAE, Emeritus Prince Philip Professor of Technology at the University of Cambridge
- Gary Kerkin  
Retired Chemical Engineer, Upper Hutt. Executive Member New Zealand Climate Science Coalition
- Roman Leslie  
Research specialist in geochemistry of arc-magmatism, magma-wallrock interactions, mineralogy, melt inclusions, SW Pacific tectonics and geodynamics.
- Brian Leyland  
Power systems engineer 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



### 39 SIGNATORIES FROM NORWAY

#### 1 WCD Ambassadors

- Jan Erik Solheim

Professor Emeritus Astrophysics, University of Tromsø – The Arctic University of Norway

#### 38 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
- Eva Marie Brekkestø Axelsen  
Retired teacher in languages and social studies.
- Egil Bergsager  
MSc of UCLA and University of Oslo, Petroleum Geologist, Director Norwegian Petroleum Directorate, President Rogaland Science Park. Board member of advanced technology companies
- Stein Sorlie Bergsmark  
Physicist, Former Head of Renewable Energy Studies Programmes, University of Agder
- 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

#### Norway continued

• 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 Gjaever†	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
• 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	retired research scientist
• Ph.D Jiri Muller	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	MSc, MBA
• MSc, MBA Knut Søraas	Emeritus University of Oslo
• Can real PhD equivalent Arne S. Stabel	Professor Emeritus Eco-Toxicology, University of Oslo
• Jørgen Stenersen	Retired from process and petroleum industry
• MSc Petter Tuvnæs	



#### 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 Bernal

Professional Chemical Engineer

## Philippines continued

- Herman Bognot

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



## 5 SIGNATORIES FROM POLAND

### 5 Signatories

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

Chairman of the National Section of Energy Workers' Union NSZZ  
Advisor to the Chairman of the Silesian Region of the Solidarity Union for climate policy, former Secretary of the National Energy Security Team of the Chancellery of the President  
Chairman of the National Secretariat of Mine and Energy Workers' Union NSZZ  
Chairman of the Slasko-Dabrowski Region of NSZZ  
Assistant Professor at Warsaw University of Technology, PhD in Power Engineering



## 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

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

### Russian Federation continued

- Prof. Vladimir N. Bashkin  
Professor in Biogeochemistry, Principal Researcher of the Institute of Physicochemical and Biological problems of Soil Science of RAS, Moscow
- Pavel Bizukov  
PhD in Metallurgical Engineering, faculty member at Moscow State Institute of Steel and Alloys
- Gleb I. Evgenev  
Professor of Environment, Moscow State Technical University (MADI)
- Vladimir G. Kossobokov  
Chief Scientist, Professor, Expert of Russian Academy of Sciences, Foreign Member of Accademia Nazionale delle Scienze detta dei XL (Rome, Italy)
- Eugene Nagibin  
MA in Economics, CIR, Territorial Development and Management Consultant
- Henni Ouerdane  
PhD in Physics, Associate Professor with extensive experience in the physics of energy conversion and the related technologies
- Dr. Michael Petelin  
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

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

### South Africa continued

• Dr. Hans Hofmann-Reinecke	nuclear physicist, author of several books "Grün und Dumm", articles and videos on global warming and alternative energies for the general public
• Dr. Rob Jeffrey	Economic Risk Consultant: Senior Economist and Managing Consultant, leading expert in energy and electricity
• Dr. Kelvin Kemm	PhD, Nuclear Physicist, Chairman: Stratek Global (Pty) Ltd, Pretoria
• Dr. John Ledger	Visiting Associate Professor at the University of the Witwatersrand, Energy and Environmental Consultant, Consulting Editor, Freelance Writer, Editor and Lecturer
• Prof. Richard Meissner	Associate Professor, Department of Political Sciences, University of South Africa
• Dr. Don Mingay	Retired Professor of Nuclear Physics, University of the Witwatersrand. Involved since 1995.
• Mike Sankey	Co- Author of two books : Climate Actually Vol1 Nothing to Fear, Climate Actually Vol 2 The Science Behind it
• Professor Martin R. Sharpe	PhD from University of Exeter, retired Geologist, Geochemist, Analyst and Field Mapper at University of Pretoria, Founder of geological consulting and exploration companies
• Dr. Grant Son	PhD in Natural Science
• Dr. Jacques Theron	Retired Veterinarian
• Geert F de Vries	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	Engineer and Project Leader within Clean Aviation
• Raquel Barquero	PhD, lifetime career as nuclear engineer and medical physicist in Valladolid University Clinical Hospital
• Dr. Saúl Blanco	Associate Professor of Ecology at the University of León
• Maria Teresa Estevan Bolea	Engineering award 2019 Royal Spanish Academy of Engineering, World Award 2018 In Engineering WFEO, National Prize in Industrial Engineering 2019
• Ferran Brunet	Professor on the European Economy, Universitat Autònoma de Barcelona
• Antonio Jesús Muñoz Cobo	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
• Aitor Ercilla	climate historian and computer scientist. Researches the importance of climate change in social processes
• José-Ramón Ferrandis	Analyst, Writer, Communicator
• Isabel López García	PhD on Chemical Engineering, Assistant Professor of Physical Chemistry and applied Thermodynamics, University of Córdoba
• Antonio De La Hoz	BSc in Business and International Economics, activist and expert in economics and political implications of causes and consequences of climate change
• Antonio J. Huertas	Engineer with 35 years experience in Energy Politics and Operation, and Environmental Care
• Jose Manuel Miranda Lopez	PhD, Professor at the University Santiago de Compostela, Department of Analytical Chemistry, Nutrition and Bromatology
• Juan Mallo	Retired Geologist since 2009, Involved in the creation of the Spanish Association of Climate Realists (ARC)
• Alexander Keith Martin	PhD Geology and Geophysics, Consultant geologist
• Javier Del Valle Melendo	Doctor in Climatology, Professor a Centro Universitario de la Defensa
• Dr. Chris Oldenhof	PhD in Photochemistry, Retired from the Dutch chemical company DSM
• Manuel M. Sánchez Del Pino	PhD, Department of Biochemistry and Molecular Biology, University of Valencia

## Spain continued

- Luis Pomar†
- Manuel Jesús Romero Rincón
- Juan Miguel Gómez Menor Robles
- Alejandro Rodríguez-Gómez
- Geologist Antonio De La Torre
- Javier Vinós
- Wynn Williamson

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
  - Leif Åsbrink
  - Sture Åström
  - Erik Axelkrans
  - Rolf Bergman
  - Dr. Lars Bern
  - Joakim Blomqvist
  - Magnus Cederlöf
  - Tore Dalväg
  - Hans Eklund
  - Per-Olof Eriksson
  - Dr. Anders Flodin
  - Mats Freding
  - David D. Gee†
  - Anders Grufman
  - Jan Hagberg
  - Björn Hammarskjöld
  - Lars Hässler
  - Eilif Hensvold
  - Gunnar Holmgren
  - Mats Janson
  - Hans Jelbring
  - Göran Johansson
  - Claes Johnson
  - Gunnar Juliusson
  - Sten Kaijser
  - Johnny Kronvall
  - Lars E. Linder
- Bsc in biology, medical doctor, retired Chief Medical Officer at a battalion of the Swedish Airforce
- PhD, Technology at KTH in Molecular Physics, Stockholm
- MSc, Technology, Professional in Climate Issues, Secretary of the Swedish Network Klimatsans
- MSc in physics and physical oceanography, University of Gothenburg
- Emeritus Professor of Physical Chemistry, Uppsala University
- Member of The Royal Swedish Academy of Sciences, Retired CEO in Incentive AB
- Sr. Design Manager for design and energy solutions within a larger construction company
- Software Specialist, Stockholm
- Msc, Physics, Research Engineer in Hydrodynamics and Thermodynamics, Senior Advisor in Environmental Standards, Author of 'CO2 a source of life or a threat'
- PhD, Technology, Acting Professor at the Department of Laser-and Electro-optics, Chalmers University of Technology, Gothenburg
- Physicist, Former CEO of Sandvik Group
- PhD, Mechanical Engineering, NC, USA
- MSc Mechatronics Test team leader, environmental and software test.
- Professor Emeritus Orogen Dynamics, Uppsala University
- MSE, MA, Economics, Industrial and Environmental Economics
- PhD, Statistics, Stockholm
- MD, PhD in Biochemistry, Assistant Professor in Pediatrics
- PhD, Rock and Soil Mechanics, Bsc Chemistry and Biology, Msc Civil Engineering
- PhD, Mathematics, Associate Professor of Mathematics (Retired), Simulation of Large-scale Industrial Systems, Uppsala University, Luleå Technical University
- PhD, Space Physics, Retired Head of Dept. of Engineering Sciences, Uppsala University
- MSc, Electrical Engineering, KTH Royal Institute of Technology, Stockholm
- Climate Researcher
- specialist in Energy Systems
- Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
- Professor of Hematology, Lund University, Senior Consultant, Skåne, University Hospital, Lund
- Emeritus Professor of Mathematics, Uppsala University
- Emeritus Professor in Building Physics, Malmö University and Lund University
- Associate Professor of Medicine, Gothenburg

#### Sweden continued

- 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  
MD, Retired
- Toomas Mathiesen  
Associate Professor of Computer Science at the Royal Institute of Technology, Stockholm
- Johan Montelius  
PhD, Technology and Social Change at the University of Linköping, Researcher on Climate Change History
- Jacob Nordangård  
PhD, retired, currently author for Klimatupplysningen.se
- Gabriel Oxenstierna  
Emeritus Professor in Biochemistry, University of Lund
- Gösta Pettersson  
Emeritus Professor of Economics, Luleå University of Technology
- Marian Radetzki†  
Mathematics, Space Flight Trajectory Specialist
- Mats Rosengren  
Professor Emeritus, Department of Law, University of Lund
- Torsten Sandström  
PhD, Geology, Member of Paleogeophysics & Geodynamics Institute
- Rabbe Sjöberg  
Emeritus Professor of Physical Chemistry, Royal Institute of Technology (KTH), Stockholm
- Peter Stilbs  
Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
- Jan-Olov Strömberg  
Professor emeritus in photonics, Dept. of Applied Physics, Royal Institute of Technology, SE-106 91 Stockholm, Sweden
- Lars H. Thylen  
Automotive and transport editor and expert. On election committee of association Klimatrealisterna, regular contributor to blog Klimatupplysningen and network Klimatsans
- Tege Tornvall  
Professor Emeritus in Oceanography at University of Gothenburg
- Gösta Walin†  
Consultant, Author on Climate Change, Stockholm
- Elsa Widding  
Researcher Emeritus, Associate Professor, Royal Institute of Technology, Stockholm
- Lech Wosinski  
PhD, Emeritus Professor in molecular Genetics Karolinska Institutet, Stockholm, Sweden
- Orjan Wrangé

#### 26 SIGNATORIES FROM SWITZERLAND



##### 26 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

## Switzerland continued

- Dr. med. Schäffer Renate
  - Claude Roessiger
  - Beat Dominic Roth
  - Heinz Schmid
  - Dr. Ralf Lorenz Schmitt
  - Thomas Stadler
  - Ivan Surace
  - Prof. Dr. Eric P. Verrecchia
  - Dr. Eric Vieira
- retired  
Entrepreneur and Author of several Books on Organizational Management and Public Policy, Organiser and Chairman of the Portsmouth Conference 2018 on Climate Policies  
Owner Filmcompany  
Dipl. Ing. Agr ETH, more than 10 years involvement in climate science and climate communication  
PhD in Chemistry, Product Manager  
MSc in Physics, ETH Zürich, Geophysics, Specialty in Geothermics  
PhD in Geology, Geol Surace I.R.  
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  
(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 Cosun
- 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 Brenchley

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

### 171 Signatories

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

#### UK continued

- Paul Burgess
  - Derrick Byford
  - Gerry Byron
  - Peter Cale
  - George Carey
  - Brian R. Catt
  - Richard Ceen
  - Arthur Champion
  - 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
  - Isabel Davies
  - Robert Davies
  - Dr Philip George Davies
  - Dr. Keith P. Dawson
  - Jeremy Dawson
  - John Dewey
  - Howard Dewhurst
  - 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
- 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  
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  
Geophysicist and Entrepreneur  
BSc Airline pilot  
Principal Lecturer in the Department of Computing and Informatics at Bournemouth University  
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

#### UK continued

- Peter Francis D'oyly Etherington-Smith Geologist/Oceanographer, Coral Reef Researcher, MSc Petroleum Engineering (Imperial), life-time international experience in developing countries, retired from BG
- Kevin Foo MSc, DIC, Dip. Met, AusIMM, IOM3, SME, Ch.Eng., President Tianshan Jade (UK) Ltd
- Ashley Francis BSc, FRAS, Geophysicist with expertise in forward and inverse modelling, stochastic modelling and resolution/scale change impacts Project Manager Water and Wastewater Systems
- Sean Galbally Geophysicist
- Gil Gilchrist Retired Engineer in South Wales
- Alan Gill Physicist, Ex Chair Institute of Physics Energy Group, Ex London Branch Chair & Fellow of EI
- Peter Gill retired Professor of Radiology, University of the West of England
- Paul R. Goddard PhD Ecology, University of Aberdeen, Visiting Professor in the Department of Life and Environmental Sciences, Bournemouth University
- John D. Goss-Custard retired geologist, 50 years in oil exploration, production and asset evaluation
- Alastair Gray Former airline pilot, and parliamentary candidate for both the UK Independence Party and Brexit Party
- 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 CO2, CH4 and N2O
- 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
- Ken Harrison Retired Chartered Physicist
- John Harrison Former Chartered Physicist and Chartered Engineer
- Peter Harvey Project Manager – Renewable offshore wind industry
- Raymond Hayes BA (Lond) M.Litt (Oxon) FRGS Solicitor Hong Kong and England and Wales
- 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
- Stephen Latimer Jones BA Chemistry, IT professional
- Robert Jones BSc and PhD Mining Engineering, Director at Warwick Energy

#### UK continued

- Zana Juppenlatz  
BSc Hons, LLDip, 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  
CO2 and Environmental Specialist
- Roger Longstaff  
Experimental Space Physicist and Company Director
- Anthony Lowe  
BSc Hons Polymer Chemistry and Physics, Consultant Polymer Solutions
- Peter Justin Lunt  
MSc Geology London, adjunct lecturer in geology (stratigraphy) at Universiti Teknologi Petronas and Shandong University of Science and Technology (SDUST) Qiangdao
- Tom Mackay  
BSc, Geologist, Fellow of the Geological Society (FGS) of London
- Chris Mackenzie  
MSc, Director and Geological & Environmental Consultant at Peak Minerals Ltd
- Ian Magness  
Geologist turned treasurer, Since retirement actively involved in the analysis of all aspects of climate change from a sceptical viewpoint
- 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, Socal 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
- Dr John Nicholson  
Consultant geologist, 50 years engineering geology, oil, gas exploration, and geothermal
- Blair Nimmo  
Electronic Engineer, working in Computer Networking and Optical Surface Metrology and Fibre Optics

#### UK continued

- Michael John Oates  
Geologist, Lifetime Experience in the Geo-Energy Industry, Fellow of the Geological Society of London
- Gerard O'donovan  
Entrepreneur, Business Owner, career in building international and multinational organisations
- Andrew O'rourke  
journalist climate change
- Peter Owen  
FGS, Fellow of the Geological Society of London
- Jonathan R. Partington  
Emeritus Professor of Mathematics, University of Leeds
- Dennis Paterson  
Retired Geologist
- Dr. James Petch  
Physical Geographer, formerly Reader in Environmental Science at MMU and Head of Distributed Learning at the University of Manchester
- Peter Phillips  
BSc Hons Mechanical Engineering, lifetime experience in the geo-energy industry
- Graeme Phipps  
geologist and geophysicist, Jersey Channel Islands
- Dr. James Pindell  
Geologist, specialised in plate tectonics and palaeographic evolution, Director of Tectonic Analysis Ltd (UK), Adjunct Professor at Rice University (USA)
- Gerry A. Quinn  
Research Scientist, Ulster University, lifetime career in microbiology, biochemistry and environmentalism
- Clive Randle  
Geologist, Fellow of the Geological Society of London
- Jonathan Charles Read  
Honours degree in Physics from the University of Durham, member of the Institute of Physics (MInstP), Fellow of the Chartered Association of Certified Accountants (FCCA)
- Dr. Colin Richard Reeves  
Emeritus Professor of Operational Research, Coventry University, Expert in Mathematical Modelling
- Ceri Reid  
PhD Electrical and Electronic Engineering, Sonar Specialist
- Chris Rice  
BEng(Hons) Engineering & Environmental Science
- Steven Andrew Richards  
MSc, Retired Chartered Engineer, Retired Lecturer from Portsmouth University and Southampton Solent University
- Michael F. Ridd  
Geologist, Fellow of the Geological Society of London
- Philip Risby  
BSc Engineering, Retired environmental consultant, patent holder
- Anthony Robb  
PhD, Retired Chemist
- Salmaan Saleem  
Family Medicine Doctor
- Dr. José Sánchez-Morales  
Doctor in Geology, analysing paleoclimate cycles and software expert
- Richard Saumarez  
Biomedical Engineer from Imperial College
- Charles Savage†  
BA, BSc, MA (Oxon.) in Chemistry, CEO of CP Pharmaceuticals (Retired)
- Robert M. Schneider  
MSCE, retired Civil Engineer
- Michael Seymour  
Geologist, Fellow of the Geological Society of London
- Stephen Silverstein  
BSc Graduate of Queen Mary University, London, in chemistry with geology
- Mike Sluman  
Retired teacher with an honours Degree in Environmental Biology
- Mr Tim Smith  
Director of Motvind UK helping communities oppose unwelcome wind farm developments through planning representations and legal action
- Dr. Ian Smith  
MSc Maritime Archaeology, PhD Chemistry
- Mike Stigwood  
Environmental Researcher
- Leslie Thomson  
Retired Vice President Operations, BP Exploration, Aberdeen
- Edwin Thwaites  
Retired Principal Lecturer in Organisational Analysis and Crisis Management, University of Central Lancashire, Predton
- Derek Tipp  
BSc honours degree in chemistry, former research chemist and retired science teacher, currently councillor on New Forest District Council
- David Todd  
retired Associate Member of the Institute of Bankers, Post Graduate Certificate in Business and Management
- Paolo Emilio Trevisanutto  
PhD in Physics, Senior Computational Scientist
- Mark Tucker  
BSc of Science Geophysics, Serial Entrepreneur and Scientific Advisor to APPG for Industrial Hemp
- Neil Upton  
Retired GP UK
- Matthew David Waggener  
Financial professional, strategic consultant on business investments
- Dr. Glenn K. Wakley  
Emeritus Associate Professor Biological Science, Fellow of the Royal Society of Biology and member of The Anatomical Society

## UK continued

- |                           |  |
|---------------------------|--|
| • Professor David Wastell | Emeritus Professor of Information Systems at the University of Nottingham                      |
| • Paul White              | B.Sc. Physics, Durham University, Retired, Former Higher Scientific Officer Marine Climatology |
| • Philip Linden Wilkes    | Life time Experience in Marine Biology   |
| • Jay Willis              | Marine Scientist, Associate of the OxNav Group of Oxford University.                           |
| • Matt Wood               | BSc in Metallurgy & Materials Science, Retired Airline Pilot, Patent holder                    |
| • Alison Wright           | BSc MSc. Systems Engineer, Energy Policy, Sustainable Development policy.                      |
| • Valentina Zharkova      | Professor of Mathematics and Astrophysics, Northumbria University, Newcastle upon Tyne         |
| • Ivor Zoenig             | International communications coach specialised in chaodynamics and NLP LP                      |



## 2 SIGNATORIES FROM UKRAINE

### 2 Signatories

- |                     |  |
|---------------------|--|
| • Vsevolod Lozitsky | DrSci, Astronomical Observatory of Taras Shevchenko National University of Kyiv, expert in solar physics, solar activity and magnetic field, and solar-terrestrial connections |
| • Irina Vasiljeva   | CSc, Research Fellow at the Main Astronomical Observatory of National Academy of Science of Ukraine, research interests include solar physics                                  |



## 459 SIGNATORIES FROM UNITED STATES

### 2 WCD Ambassadors

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

### 457 Signatories

- |                          |   |
|--------------------------|---|
| • Edward Abbott          | MD, Retired obstetrician, BSc in math and chemistry   |
| • Paul Berrick Abramson  | PhD. in Theoretical (Solid State) Physics, Juris Doctor, Registered Professional Nuclear Engineer   |
| • Dr. Syun-Ichi Akasofu  | Professor of Geophysics, Founding Director of the International Arctic Research Center of the University of Alaska Fairbanks from 1998 until 2007                                   |
| • Ralph B. Alexander     | Emeritus Professor of Physics, Science Writer   |
| • Chapel Allen           | Geophysical Engineer with 49 years experience in earth science  |
| • Lincoln Anderson       | Macroeconomist and Econometric Model Development  |
| • Michael Anderson       | BS Chemical Engineering, PhD Information Science, writes about contemporary American politics, including global warming   |
| • Michael Antonetti      | P.G., Professional geologist for 35+ years in Pennsylvania with Ms in glacial geomorphology   |
| • Anthony J. Armini      | Retired Founder and CEO Implant Sciences Corp.  |
| • Bob Armstrong          | MS, mathematical psychophysics  |
| • Nicholas Ashcraft      | Materials Science and Engineering, Wright State University. Lifetime career in the oil and gas industry   |
| • Dr. Małgorzata Askanas | Senior R&D Associate at the Aurora Biophysics Research Institute  |
| • Hans-Peter Bähr        | Emeritus Professor of Pharmacology, Canada and Former Dean of Basic Medical Sciences, American University of Barbados, Barbados   |
| • George Baker           | Emeritus Professor, Applied Science, James Madison University   |
| • Jeffrey Baldwin        | petrophysicist and rock physicist specialist  |
| • Lynne Balzer           | certification in Biology, Chemistry and Physics, founder of Faraday Science Institute, retired high school teacher (chemistry, physics, biology), adjunct college science professor |
| • Donna Barr             | lifetime career as investigative journalist worldwide   |
| • Dr. Bryan Barrilleaux  | MD, Physician of Internal Medicine  |

#### United States continued

- Joe Bastardi  
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
- Captain Walter Bates  
Former pilot at United Airline
- Charles G. Battig  
Climate Adviser, Heartland Institute
- Eric Baum  
PhD in Theoretical Physics, Princeton University
- Trenin Bayless  
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
- James Beilman  
ASBOG Licensed Environmental Geologist
- Dr. Ernest Calvin Beisner  
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  
Endowed Professor of Space Architecture, University of Houston
- Frank X. Bellini  
Retired Geologist and Environmental Scientist, 45 years experience in earth science research including flooding studies
- David J. Benard  
Chemical Physicist & Co-inventor of the Oxygen-iodine Chemical Laser
- Haym Benaroya  
Distinguished Professor of Mechanical and Aerospace Engineering, Rutgers University
- Dr. Shmuel Ben-Shmuel  
PhD in Aerospace & Mechanical Engineering, retired aerospace engineer, worked on the Space Shuttle, doing Computational Fluid Dynamics simulations
- Dr. Peter R. Bergethon  
retired Professor of Biochemistry, Anatomy & Neurobiology, Biomedical Engineering and Neurology, Boston and Tufts Universities. Inventor of bioelectrochemical energy systems.
- Robin Bernhoft  
MD, FACS, FAAEM, retired liver and pancreatic surgeon, retired clinical toxicologist, author of 3 books, 28 peer-reviewed papers
- Dr. Edwin Berry  
PhD, Atmospheric Physicist, American Meteorological Society, Author, Climate Physics LLC
- Ronald Berti  
lifetime career in the semiconductor industry
- Brent J. Bielema  
studied Economics at Northern Illinois University, professional nutritional counselor
- Professor Joseph Biello  
Professor of Mathematics, University of California, Davis
- Jared L. Black  
Numerical Analysis Consultant, ScD
- Dr. David L. Black  
Clinical and Forensic Toxicologist (Microbiology, Immunology, Pathology, Pharmacology), Vanderbilt University Nashville, adjunct of Department of Medicine Board of Visitors
- Thomas Lindsay Blanton  
PhD in Tectonophysics, Texas A&M University, Consultant in geomechanics specializing in compaction, subsidence, and lithospheric stress determination
- Elliott D. Bloom  
Emeritus Professor of Particle Physics and Astrophysics, KIPAC-SLAG, Stanford University
- David Boleneus  
Professional Geologist
- Daniel Botkin  
Emeritus Professor of Biology, Climate Researcher, Author of the Book: Twenty-five Myths That Are Destroying the Environment
- Cameron Boyce  
Ecologist, 20+ years of experience in ecological restoration, wildland fire, paleo-endemic plant management, wildlife habitat management.
- Dr. Walter Bradley  
PhD, Emeritus Professor Mechanical Engineering, Texas A&M University, Baylor University
- David Brand  
PhD Biology, Immunology and Biochemistry Scientist since the early 1990's
- Donald Bretches  
PhD Physical Organic Chemistry
- Dr. William Briggs  
Alumnus Cornell University, Writer and Philosopher
- Daniel Brimhall  
MS Extractive Metallurgy, University of Utah, retired Vice President Operations, American Chemet, East Helena, MT, now active as consultant
- Dr. Larry Frank Brown  
PhD in Range Plant Ecology (Ecophysiology) from Colorado State University (1974), President of L.F. Brown & Assoc. Inc.
- Joel M.G. Brown  
retired petroleum engineer

#### United States continued

- James Brucher
  - technology and business consultant for over 30-years in the telecommunications, transportation, aerospace, software, defense, manufacturing, and biotechnology industries.
- Gerald Brunetto
  - Retired after lifetime career in engineering & building nuclear & fossil fuel fired steam power plants
- Clifford Brust
  - Director of Engineering at Defense Engineering Corporation
- James W. Buell
  - PhD, Aquatic Biologist, Consultant
- Robert Bugiada
  - Senior Process Engineer at R.C. Costello & Assoc. Inc
- Frits Buningh
  - Data Research Specialist
- Bohdan Burban
  - retired geologist. Field geologist/manager with decades of experience in exploration (minerals & coal), mine development (gold, copper, coal & magnesite) and environmental monitoring .
- Lior Burko
  - PhD, Theoretical Physicist
- Dr. H. Sterling Burnett
  - PhD, Applied Philosophy with a specialization in Environmental Ethics, past Senior Fellow of the National Center for Policy Analysis, now Senior Fellow Heartland Institute
- David Burton
  - System and Computer Scientist, Expert Reviewer of AR5 and AR6, Member of the CO2 Coalition and Creator of the SeaLevel.info website
- Mark Shane Butler
  - MA in mathematics, lifetime career in data science
- Barry Butterfield
  - Civil Engineer Retired
- George Buzel
  - BS and MS Engineering, Physics and Optics
- Roger Caiazza
  - Pollution Meteorologist, life time experience in the electric generating business, retired Director of the Environmental Energy Alliance of New York
- Ron Cakebread
  - mechanical engineer with 35 years in the industrial automation business; experience in modeling, simulation, and analysis of very complex systems
- Sharon R. Camp
  - PhD, Retired Analytical Chemist and Environmental Scientist
- Nick Capaldi
  - PhD, Author Books on Logic, the Scientific Method and the Philosophy of Science
- John M. Cape
  - P.E. former military officer and economics instructor at West Point, Licensed Professional Engineer, Energy Consultant - Upstream Oil and Gas, now writing Net Zero themed novels
- John Carr
  - Electronic Engineer, specialised in antenna and satellite installations
- Marion G. Ceruti
  - PhD Chemistry, Retired Research Scientist, Space and Naval Warfare Systems Center Pacific
- Dr. Francis Cheng
  - Professor of Chemistry with specialties in carbon materials, batteries and energy conversion, University of Idaho
- Mitchell R. Childress
  - Archaeologist and Cultural Resource Environmental Compliance Specialist, Commonwealth Heritage Group
- Prof. Krishnan Chittur
  - emeritus-professor in chemical engineering and biotech, Univ of Alabama Huntsville, cofounder of medical diagnostics startup (genecapture)
- Terigi Ciccone
  - Engineer, author of "A Hitchhiker's Journey Through Climate Change," and a proud former Sierra Club member
- Prof. Claudio Cioffi-Revilla
  - PhD, DSc Pol, 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

### United States continued

- 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
- 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  
Autor 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

#### United States continued

- Vincent Esposito  
Adjunct Professor University of Pittsburgh, PA, Doctor of Science in Nuclear Engineering (Un. of Virginia), Retired Manager from Westinghouse Electric Company
- Douglas Fairebent  
Retired Physicist trained in Condensed Matter Theory, PhD (Physics), University of Michigan, 1978
- Dennis Falgout  
BS chemistry, MSE air pollution measurement, PhD Photochemistry, Consulting environmental engineer
- Peter Farrell  
Fellow of the US National Academy of Engineering
- Ralph English Fisler  
professional aerospace engineer
- Edward Patrick Flaherty  
American lawyer based in Geneva, litigating against the UN, WMO, WIPO and other IOs on behalf of staff members, whistleblowers and injured third parties
- Rex Fleming  
Research Scientist, Author of Book on Carbon Dioxide Fallacy, Retired President Global Aerospace
- Jim Folcik  
Geosciences Manager Extraction Oil & Gas
- William Foley  
BS and MS in Geology, University of Kentucky, 30 plus years in the energy industry, including experience in uncertainty and probability analysis.
- James Forensky  
B.S.E.E. , M.D. Retired Engineer and Physician
- John Fortier  
Vice President of Geology/Geophysics
- 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](http://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

#### United States continued

- Jim Granato  
Dean of the Hobby School of Public Affairs, University of Houston, lifetime career in research methodology
- William Griffin  
Staff Oceanographer US Naval Forces Korea
- Charles F. Gritzner  
PhD, Professor Emeritus of Geography, author of the book "Changing Climates" (2010)
- Mike Gruntman  
Professor of Astronautics 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
- Dr. William Happer  
Professor Emeritus in the Department of Physics at Princeton University
- Brett T. Harding  
Materials Scientist in Sustainable Technology, over 20 granted patents in nanoceramics, OLED, photocatalyst, optical devices, and related materials
- Steven Harford  
PhD chemistry and lifetime career in renewable energy and aerospace research
- Richard Harris  
PhD, atmospheric physics and chemistry as applied to radiation transport modeling, laser propagation, high power microwave propagation
- Ilana Harrus  
PhD Physics, MS In Information Systems, Former Senior Research ScientistSenior Research Scientist NASA Goddard Space Flight Center
- Korbi Hart  
Marketing Director Inland Crude Purchasing
- Peter J. Hatgelakas  
Masters in Petroleum Engineering, petroleum geologist, geophysicist, and petroleum engineer at Hatgelakas Consulting
- Bryan Haycock  
PhD, Adjunct Faculty at a University in the state of Utah
- Howard C. Hayden  
Emeritus Professor of Physics, University of Connecticut
- David Heald  
Retired Electrical Engineer
- Donald R. Healy  
BS, Degree in Forest Management from Oregon State University, Participated in Anthony Watts' first Surface Station Project
- Dennis E. Hedke  
CEO-Hedke Geoscience Consulting, LLC, presented the 2018 testimony on Seal Level Rise before the Committee on Environmental Protection of the New York City Council
- Tony Heller  
Geologist, electrical engineer, climate communicator at realclimatescience.com
- Edward G. Helmig  
Environmental Engineering Professional in the field of Industrial Water Treatment and Environmental Protection
- Oliver Hemmers  
Retired Executive Director of the Harry Reid Center at the University of Nevada, Las Vegas
- 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

### United States continued

- Walter Horsting
  - Captain Thomas C. Houghton
  - J. Stephen Huebner
  - Edward Huff
  - John Hunt
  - S. Fuller Hunt
  - Richard W Hurst
  - Clare Livingston (bud) Bromley Iii
  - Gamaliel Isaac
  - Anthony Robledo Iv
  - William Ivers
  - Jim Janota
  - James Jaskie
  - Byron Jenkinson
  - Randy Johnson
  - Laurence N. Johnson
  - Stephen Albert Johnston
  - John Joyce
  - Frank Yates Jr
  - Robert L. Bradley Jr.
  - John Droz Jr.
  - Guy K. Mitchell Jr.
  - Dr. Neil J. McCarthy Jr.
  - Walter Kailey
  - Thomas Karr
  - Kerry Kelly
  - James Kelly
  - Kathryn E. Kelly
  - Michael L. Kelly
  - Hugh Kendrick
  - Robert Kernodle
  - Kevin T. Kilty
  - Fred Kinsley
  - Kevin Kirchman
  - Floyd Lee Knapp
  - Stephen C. Knowles
  - Kenneth D. Kok
  - Mark Konya
- Energy Expert, CEO of Global Village Utilities, Large Technology Projects Developer for 4th generation Thorium applications.
- USNR (Rtd), Qualified Nuclear Engineering Officer; Sr. Director, Reactor Programs, Nuclear Energy Institute
- PhD, Retired Research Geologist, U.S. Geological Survey
- PhD, Retired NASA Senior Scientist
- MD, pediatrician, former tenured Associate Professor of Pediatrics, medical missionary, patent holder, and writer about contamination of science by politics
- Biology Teacher at Preparatory High School of Mathematics, Science, Technology and Careers, Calabash, North Carolina
- PhD, Emeritus Professor of Forensic Environmental Geochemistry and Planetary Sciences, California State University, Los Angeles
- BS Natural Sciences, scientific instruments
- PhD, Retired senior software engineer of the Department of Radiology of the Hospital of the University of Pennsylvania
- MSc, Environmental Scientist, United States Environmental Protection Agency
- PhD Scripps Oceanography, ocean current computer modeler, software designer, entrepreneur, economist, artificial intelligence innovator
- Developing and improving petroleum based Chemicals, Plastics and applications
- Career in renewable energy, over 50 patents in solar cells and other solid-state devices.
- PhD, consulting soil scientist, patent holder of Indicator of Reduction in Soils, (IRIS tubes)
- Retired VP of Engineering and Geoscience Technology at two Fortune 500 independent oil companies
- Lt Col, USAF (Ret), MS in meteorology, MSE in aerospace engineering
- BS Molecular Biology, PhD Genetics, PhD Plant Breeding/Genetics, Postdoc Biochemistry, CEO, CSO Inventor
- Climate Narrative Challenger
- Past President of Yates Petroleum Corporation
- CEO and Founder of the Institute for Energy Research
- Physicist, Founder of AWED Alliance
- graduate mechanical engineer and physicist with extensive research in the field of anthropogenic global warming
- Financial Consultant at N J Mc Carthy & Assoc, PhD in Organic Chemistry Cornell University
- BA Physics with Honors, PhD Astronomy, Physicist, Inventor and high performance Computing Specialist
- Principal Director of Critical Technology for the Undersecretary of Defense for Research and Engineering(ret.), and MITRE Chief Scientist for Sensing and Directed Energy.
- Geology degree, Energy and Environment Professional
- PhD Physics, data science executive
- President Delta Toxicology
- US Navy, BS, Tool Design Engineer (retired)
- PhD, Retired Director Plans and Analysis, Office of Nuclear Reactor Research, US Dept. of Energy, Fellow American Physical Society
- independent researcher in public health issues.
- Adjunct Prof. Mechanical Engineering at University of Wyoming
- Retired Geologist (MSc)
- Editor of the Climate Science Journal, more than a decade in renewable energy engineering
- BSc Portland State University, 300 level Geography and Climatology
- Marine Scientist and Geologist, Beacon, New York
- retired Nuclear Engineer, ASME Fellow, Past Chair of the ASME Nuclear Engineering Division and the ASME Energy Committee
- P.E., B.S. Ed. Mathematics, B.S. Physics, M.S. Nuclear Engineering, M.A. Physics

### United States continued

- 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
- 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. Leverenz  
Instructor UCI, Manager, California
- Ulf Lindqvister  
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 FRCSC, 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)

#### United States continued

- John Mauer†
  - David Mauriello
  - Kirk Maxey
  - Andy May
  - Donald May
  - Gene Mccall
  - William Mccann
  - Craig Mccluskey
  - Richard Mcfarland
  - Sean Mcgrew
  - Edward P. Mcmahon
  - Dr. Michael Meichle
  - Mark Meier
  - Samuel H. Melfi
  - Kenneth Melvin
  - Dr. Daniel M. Merfeld
  - Dr. Peter B. Merkle
  - Rodney Michael
  - Patrick J. Michaels†
  - Miodrag Micic
  - Edward Mickelson
  - Christopher Miller
  - Steven Milloy
  - Ference M. Miskolczi
  - Michael J Mitchell
  - Josh Mitteldorf
  - Matthias Mixon
  - Michael Monce
  - Brian Moody
  - David Moore
  - James Moore
  - James R. Morris
  - Thomas L. Moser
  - Steven Mosher
  - David R. Motes
- PhD in Atomic and Molecular Physics, 20 years experience as a physicist, currently business owner in statistical analysis and software
- Geologist, researcher and public speaker against the corruption in science, government and the media
- BS Organic Chemistry, MD, President and Founder of Cayman Chemical Inc
- Writer and Retired Petrophysicist
- BS, PhD Chemistry, Research Fellow. (Retired)
- Consultant to the Defense Science Board, Former consultant to the Department of Energy on Issues related to Inertial Fusion
- PhD Seismology, lifetime career in Earthquake Hazard modeling and analysis
- PhD, Physics
- Retired NASA Physicist
- Analytical Chemist, lifetime career in Chromatography/Mass Spectrometry, applications to semi-volatile organic compounds in the environment
- PhD, career in remote sensing from spacecraft, and super computing analyses of physical phenomena
- PhD in Physics, Research Imaging Scientist
- PhD, Professor of Physics, University of Houston
- Emeritus Professor of Physics, UMBC, Retired NASA Scientist
- MD, Retired Professor of Medicine, Portland, Oregon
- BSME U Wisconsin-Madison, MSE Princeton, PhD MIT, neuroscientist/neuroengineer, former Professor at the Harvard Medical School, Professor at the Ohio State University
- Associate Professor in environmental science and engineering at the School of Engineering at Benedictine College
- COL, US Army Medical Corps, Retired
- Competitive Enterprise Institute, Washington DC
- PhD Chemistry, Professor of Engineering Design Technology at Cerritos College in Norwalk, California and Life Sciences Marketing Executive
- Ph.D., Technology Transfer Professional, Oil & Gas Industry
- PE, CEM, CBCP, Registered Professional Engineer for the Power and Energy Industry
- MHS, JD, LLM, Publisher
- Retired NASA/AS&M Senior Scientist, Foreign Associate Member of the Hungarian Academy of Sciences
- Mechanical Engineer
- PhD, theoretical astrophysics, Independent scientist in computer modeling, Visiting scholar at MIT's Department of Earth, Atmospheric, and Planetary Sciences
- BBA Degree, University of Mississippi
- PhD in Physics, Emeritus Professor of Physics, Astronomy, and Geophysics, Connecticut College
- Former GET Specialist for SMS Equipment in Ft McMurray
- 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
- Commercial Fisherman, President Alaska Trawlers Association, Executive Committee Northern Southeast Regional Aquaculture Association, Board member Amstrong Keta Inc.
- Geophysical Exploration Oil & Natural Gas
- 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
- first American social scientist to conduct field research in China, exposed human rights abuses in China's one-child policy.
- Chemical Engineer, lifelong experience in the geo-energy industry

### United States continued

- 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
- 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 Professor 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

#### United States continued

- Brian D. Ray
  - Wayne Raymond
  - Dr. George Rebane
  - Edward A. Reid
  - Fred A. Reitman
  - Forrest J. Remick
  - Dan Reynolds
  - Dr. Douglas Rigby
  - David K. Rogers
  - Dr. Jennifer Runquist
  - Marius Russo
  - James H. Rust
  - Ralph Sacrison
  - Charles L. Sanders
  - Rick Sanders
  - Dr. Steven Saterlie
  - Jeffrey Satinover
  - Kent Satterlee
  - Hans Schantz
  - John Schell
  - Jesse Schilling
  - Mike Schimmelpfennig
  - Brian Schmidt
  - Harold Grant Scoggins
  - John Seater
  - Mark W. Sellers
  - Mr. Gregory Semrau
  - Edwin T. Sewall
  - John A. Shanahan
  - William Sharp
  - Roscoe M. Shaw
  - Dr. Thomas P. Sheahen
  - Dr. Roger Sheley
  - John D. Sheppard
  - John Shewchuk
  - Stephen W. Shipman
  - Ryan Shroud
- PhD in science education from Oregon State University, Salem teacher of physical science at high schools in Malaysia, Liberia, and various high schools in California, most prominently at Davis Senior High School.
- Scientist with degrees from UCLA in Physics (BS) and Engineering (MSE and PhD), lectured at UCLA and California State University as an Adjunct Professor
- lifetime experience in the US energy industry in technical research and development, market development, marketing and consulting professional career as a petroleum and petrochemical toxicologist.
- Commissioner (Retired), US Nuclear Regulatory Commission
- PhD in Organic Chemistry, Retired
- Ph.D. in Geomechanics, B.S. in Hydrology, expertise in modeling complex phenomena under uncertainty
- PE, CEG MS, Geological Engineering, Member of the Boards of Consultants for the Federal Energy Regulatory Commission
- PhD from Northwestern Univ, Evanston IL related to photosynthesis
- IT expert
- Emeritus Professor of Nuclear Engineering, Georgia Institute of Technology
- MSc, lifetime career in earth sciences and engineering
- Retired Radiobiologist, Author of Radiobiology and Radiation Hormesis: New Evidence and Its Implications for Medicine and Society (Springer)
- MA, Scientists for Accuracy in Radiation Information (SARI), Associate Editor, 21st Century Science and Technology Magazine
- PhD in Physics, Chief Engineer with major corporation and author of numerous technical papers.
- MD, PhD, research theoretical physicist in unpredictability of complex systems; director of a Sterling Institute neuropsychiatric facility.
- Executive Director at Gulf Offshore Research Institute (GORI)
- PhD Theoretical Physics, Founder and Principal Scientist of The Society for Post-Quantum Research
- BS Marine Biology, PhD Toxicology, Toxicologist who has participated in the assessment of environmental impacts of chemical releases
- Certified Management Accountant
- Degreed Mining Engineer with more than 40 years of experience
- Co-Founder and Chief Visionary Officer of Primary Ocean Aquaculture division and Primary Bio Agriculture - Agriculture division
- retired IT professional
- PhD, Emeritus Professor of Economics, North Carolina State University
- PhD Systems Science, Modeling and Analysis of Complex Systems
- Automotive Engineer, Simulation of Safety Critical Systems
- Retired BS Electrical Engineering, Southern Methodist University 1960 Dallas Texas
- 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)
- PhD Applied Science, Retired.
- meteorologist and portfolio manager
- PhD in Physics at MIT, Chairman, Science & Environmental Policy Project, involved in energy-related research for 45 years
- Ecologist, USDA-Agricultural Research Service; Editor-in-Chief of the international journal Rangeland Ecology and Management
- MD, MMSc, FACS, Professor of Ophthalmology, Microbiology & Immunology, Eastern Virginia Medical School
- Meteorologist (CCM) and Atmospheric Researcher
- Institutional Investor
- Environmental Attorney with a Masters of Law in Environmental Law practicing in the air emissions field

#### United States continued

- 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
- 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

#### United States continued

- 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
- Arthur Viterito  
PhD, Physical Geography, Policy Adviser to the Heartland Institute
- Dariusz Vogelsinger  
Psychologist
- Brian Volkman  
PhD, Professor of Biochemistry, Medical College of Wisconsin
- Whitson G. Waldo  
Scientist and Engineer with MS Chemical Engineering from Clemson Univ, lifetime career in the semiconductor industry, owner of 13 awarded patents
- William B. Walters  
Guggenheim Fellow, Professor of Atmospheric, Nuclear and Environmental Chemistry, University of Maryland
- James Wanliss  
Professor of Physics, Presbyterian College
- R. Peter Weaver  
lifetime career in energy, energy policy and sustainable operations
- Robert Webster  
More than 65 years of interest in Meteorology and Climatology, Author of "Looking Out the Window", an evidence based defense of CO2 charged with being a climate change force
- Steven E. Weismantel  
Retired Engineer and Climate Researcher
- Isaac William Wells  
Lawyer in International Law and Foreign Affairs
- Dr. Steven C. Wendelken  
EPA, OGWDW/TSC, climate realist
- Gary S. Westerman  
PhD, physical geography with specializations in climate science and remote sensing
- Stephen H. Westing  
PhD, Director Medical Affairs, Regeneron Pharmaceuticals, Inc.
- Jim Whiting  
MD from McGill U, Montreal, Fellow of the American College of Radiology
- Dr. Matthew Wielicki  
PhD in Geochemistry from UCLA, Assistant Professor of Geological Sciences at the University of Alabama
- Chuck F. Wiese  
Professional Meteorologist
- Brock Williams  
PhD, Lifetime research scientist with subjects from molecular to population pathology with a special interest in immunopathology and atopic disease
- David Williams  
PhD, University Distinguished Professor Emeritus, Oregon State University
- Jeff Wilmer  
B.Sc. Physics, Post Undergrad Studies: Atmospheric Physics & Chemistry, Industrial Capitalist and Innovator
- Steven Wilmoth  
Certified Petroleum Geologist
- Kevin Wilson  
PhD in Geological Sciences, Retired, former Professor and Researcher on Plate Tectonics, Paleoclimate and Paleoceanography
- Kennard V Wilson  
retired from Los Alamos National Laboratory
- Terry Winters  
PhD in Chemistry, Writer, Member of CO2Coalition
- David Wojick  
Cognitive Scientist
- Dr. Calvin M. Wolff  
Adjunct Professor University of Houston at Clear Lake, Expertise in Energy Management
- Michael Wood  
BSChE, MBA; former lead technical engineer in development of space station and space launch vehicles
- Peter Wood  
PhD, President, National Association of Scholars

#### United States continued

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|--------------------------|---|
| • Gregory R. Wrightstone | Expert Reviewer IPCC, Geologist, Author, Executive Director CO2 Coalition |
| • Walter Yarbrough       | PhD, retired from Penn State  |
| • Dan Youra              | publisher Youra media, creator and editor of Carbon Tax News              |
| • Karl Zeller            | PhD Research Scientist  |
| • Ronald B. Zelt         | Hydrologist, retired PH-WQ, U.S. Geological Survey (retired).             |
| • Matthew Ziska          | PhD, Director of Environmental Health and Safety at Elevation Labs        |
| • Hannes Zuercher        | PhD Geophysics, Independent Geophysicist                                  |
| • Bob Zybach             | Program Manager, Oregon Websites and Watersheds Project Inc.              |

#### 1 SIGNATORY FROM VIETNAM



##### 1 Signatory

- Dr. Thi Thuy Van Dinh

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



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