

World Climate Declaration

# THERE IS NO CLIMATE EMERGENCY

2070 SIGNATORIES



GLOBAL CLIMATE INTELLIGENCE GROUP

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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  
BARRY BRILL / NEW ZEALAND  
DR. PATRICK MOORE / ENGLISH SPEAKING CANADA  
JIŘI KOBZA / CZECH REPUBLIC  
JENS MORTON HANSEN / DENMARK  
PROFESSOR LÁSZLÓ SZARKA / HUNGARY  
PROFESSOR SEOK SOON PARK / SOUTH KOREA  
PROFESSOR JAN-ERIK SOLHEIM / NORWAY  
DR. G.-FIVOS SARGENTIS / GREECE  
FERDINAND MEEUS / DUTCH SPEAKING BELGIUM  
PROFESSOR RICHARD LINDZEN / USA  
HENRI A. MASSON / FRENCH SPEAKING BELGIUM  
PROFESSOR INGEMAR NORDIN / SWEDEN  
JIM O'BRIEN / REPUBLIC OF IRELAND  
PROFESSOR IAN PLIMER / AUSTRALIA  
DOUGLAS POLLOCK / CHILE  
DR. BLANCA PARGA LANDA / SPAIN  
DR. PETER STALLINGA / PORTUGAL  
PROFESSOR ALBERTO PRESTININZI / ITALY  
PROFESSOR BENOÎT RITTAUD / FRANCE  
DR. THIAGO MAIA / BRAZIL  
PROFESSOR FRITZ VAHRENHOLT / GERMANY  
THE VISCOUNT MONCKTON OF BRENCHLEY / UNITED KINGDOM  
DUŠAN BIŽIĆ / CROATIA, BOSNIA AND HERZEGOVINA, SERBIA AND MONTE NEGRO



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# TOTAL SIGNATORIES 2070



## 5 SIGNATORIES FROM ARGENTINA

### 5 Signatories

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

Research professor at national universities and educational institutes  
Environmental Consultant & Auditor  
Coastal Specialist and Environmental Scientist  
PhD in Meteorological Sciences, Climate Researcher, Full-time Professor at the University of Buenos Aires and Principal Researcher at CONICET

- Sergio Heguilén

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



## 188 SIGNATORIES FROM AUSTRALIA

### 1 WCD Ambassadors

- Ian Plimer

Professor Earth Sciences, The University of Melbourne

### 187 Signatories

- D.Weston Allen
- Don Andersen
- David Archibald
- Rick Armstrong
- Michael Asten
- József Balla
- Stuart Ballantyne
- Dr. Priyanka Bandara

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

Retired Teacher, Programmer

Research Scientist

retired metallurgist and strategic planner

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

retired teacher and manager of a small business

PhD, Senior Ship Designer, Sea Transport Corp.

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

- Jim Bannister

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

- Jeremy Barlow
- Dr. Colin M. Barton

Energy and Mining professional, Director and CEO

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

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

Director GCB Investments Pty Ltd.

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

Retired Geologist, Victoria

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

- Richard Blayden†
- Colin Boyce

Professional Engineer

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
- Andrew Browne

Organizer of a Critical Climate Group

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, Kardinia, W. Australia

## Australia continued

- Alan Douglas Buerger  
Fellow Australasian Institute of Mining and Metallurgy, Member of Australian Institute of Company Directors
- Mike Bugler  
Retired Environmental Consultant
- Paul Buncl  
Medical Practitioner
- Tony Burns  
PhD in Chemical Engineering
- Paul Callander  
Retired Geologist BSc Melbourne, Extensive experience in energy economics
- Charles Camenzuli  
Structural Engineer specializing in Remedial Work, Catcam Group, Sydney
- Ray Carman  
Organic Chemist, Honorary Fellow University of Queensland
- Dr. Larry Cashion  
PhD in Psychology, Consultant Psychologist, Special interest in cognition and language of climate science
- Peter Champness  
Retired Radiologist
- Andrew E. Chapman  
Expert on Rainfall and Flood Events
- Michael F. Clancy  
Retired Civil Engineer, Brisbane
- Martin Clark  
Expert in Building Design, Planning and Landscaping, Townsville NQ
- Richard Corbett  
Member Royal Australian Chemical Institute, Member of The Clean Air Society of Australia and New Zealand
- Dr. Michael Creech  
lifetime active as Geologist; Dr. Creech informs the public by giving presentations on Climate Change
- Matt Crisanti  
BSc, UniSA, Science Faculty Coordinator at St. Columba College in 2008
- Majorie Curtis  
Retired Geologist, Stratigrapher and Palaeoclimatic Studies, Canberra
- Eric Daniel  
Retired IT Consultant
- Arthur Day  
Earth Scientist, Specialist in Geochemical Modelling of Volcanic Processes
- Dr. Geoff Deacon  
PhD., MSc., BSc (hons), geologist, palaeontologist, advocate for geological truth in Climate Science
- David H. Denham  
lifetime experience as Architect (B Arch), active in giving talks and writing opinion articles on climate change
- Geoff Derrick  
Geologist
- Trish Dewhirst  
Retired Geologist, Queensland
- Bevan Dockery  
BSc (UWA), Grad.Dip.Computing (Curtin U), Exploration Geophysicist in minerals world-wide
- Aert Driessen  
Geologist, Fellow Australian Institute of Geoscientists
- John A. Earthrowl  
Retired Geologist, Brisbane
- Mike Elliott  
Dux of School in Mathematics, Co-Founder of Climate Realists of Five Dock
- Jeremy K. Ellis  
Retired Chairman of BHP, now Chairman of the Saltbush Club in Australia
- Dr. Stephen David English  
PhD in Crop Physiology from University of New England, Retired Agricultural Scientist
- Matthew J. Fagan  
Founder and President of FastCAM Inc.
- Michael Foley  
BSc Microbiology, PhD Biochemistry, Professor of Biochemistry, La Trobe University Austra
- 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

## Australia continued

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

## Australia continued

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

## Australia continued

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

## 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 CO<sub>2</sub> as trigger for formation of limestone deposits



## 10 SIGNATORIES FROM AUSTRIA

### 10 Signatories

- Dr. Wolf Bertling
- Dr. Ernst Hammel
- Dr. Gerhard Kirchner
- Dipl Ing, Dr rer techn Heribert Martinides
- Rudolf Posch
- Dr. Eike Roth
- Helmut M. Sauseng
- Hans Dirk Struve
- Dr. Joseph Laszlo Szekeres
- Konrad Falko Wutscher

PD in Medicine, and pharmacist and entrepreneur  
Career in Physics and Nanotechnology, patent holder and author in multiple scientific publications  
Berg Ingenieur, Climate Realist  
European Space Agency, retired  
PhD, Retired Software Engineer of a Technical Multinational, Expert in Nonlinearities and Feedbacks  
PhD in Physics, Lifetime career in Nuclear Energy  
MSc Physical Chemistry, entrepreneur, activist in civil society  
Dipl. Ing., Mechanical Engineer with large experience in business  
MD, PhD, Associate Professor at Medical University of Vienna, President of Vienna Medical Association  
Doctor of Engineering Sciences, specialist in treatment of water and wastewater



## 1 SIGNATORY FROM BANGLADESH

### 1 Signatory

- Prof. Dr. Aftab Alam Khan

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



## 1 SIGNATORY FROM BARBADOS

### 1 Signatory

- Fred Corbin

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



## 44 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

### 42 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
- Peter Easton Water Resources and Stewardship Consultant - Independent
- 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
- Drieu Godefridi PhD, Law, Author of several books
- 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
- Jean Meeus Retired Meteorologist, Brussels Airport, Author of the Best Seller Astronomical Algorithms
- BSc. Frank Merkenhof BSc. Active in Business Engineering
- Ernest Mund Honorary Research Scientist, Honorary Research Director, FNRS, Nuclear Engineering
- 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. Prétat 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 Engineer Retired CEO 'RESPRO Languages & Consultancy', Team H2 SALK/ ThinkTank/Engineering
- Jozef Verhulst PhD, Chemistry, Author
- Jean Van Vliet Retired Specialist in Space Weather
- Dr. Marc Wathélet 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



## 21 SIGNATORIES FROM BRAZIL

### 1 WCD Ambassador

- Dr. Thiago Maia

Nuclear Physicist, PhD in Astrophysics

### 20 Signatories

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

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

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

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

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

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

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

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

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

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

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

Biologist, Specialist in Environmental Management

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

Agronomist, Editor of ‘The Great Global Warming Swindle’

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

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

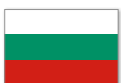
Professor of the Geography Department of the State University of Santa Catarina (UDESC)

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

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

Geographer, Master in Climatology, Environmental Consultant

Graduated in Veterinary Medicine and Computer Sciences



## 2 SIGNATORIES FROM BULGARIA

### 2 Signatories

- Ivan Daraktchiev
- Fabrice Toussaint

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

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



## 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  
Emeritus Professor, Université du Québec à Montréal, Département des sciences économiques
- John Andersen  
BSc, Honours Geology, University of Alberta
- Peter Andreadis  
Satellite Systems Engineer
- Dr. Grant Armstrong  
Leadership development and coaching
- Russ Babcock  
retired biochemist, lifetime experience in the mining and smelting industry with emphasis on pollution abatement
- Tim Ball†  
Emeritus Professor Geography, University of Winnipeg and Advisor of the International Science Coalition
- Ron Barmby  
M.Eng in Engineering with major in Geoscience, Author of 'Sunlight in Climate Change: A Heretic's Guide to Global Climate Hysteria'
- Timothy J. Barrett  
PhD, Geochemical Researcher, Ore Systems Consulting
- Robert Douglas Bebb  
Professional Engineer (Mechanical), MBA
- Callum Beck  
PhD in Religious Studies, Sessional Professor in Religious and University Studies
- Rick Beingessner  
BSc, BA and LLB University of Alberta, lifetime experience in the Geo-Energy Industry, recently involved in researching Climate Change Matters
- Jean Du Berger  
Ingénieur Retraité, Bell
- Mario Blais  
Science and Mathematics Teacher
- Alain Bonnier  
PhD, Physique, INRS-Centre de Recherche en Énergie, Montréal
- Andrew Bonvicini  
Professional Geophysicist, Former President of Friends of Science Society
- Dr. Don Bowen  
PhD population ecology, Emeritus Research Scientist, Bedford Institute of Oceanography
- Jacques Brassard  
Minister of Recreation (1984), Minister of Environment (1994), Minister of Transport and Intergovernmental Affairs of Canada (1996), Minister of Natural Resources and House Leader
- Kevin Burke  
MSc in Marine Biology, author/co-author of 2 technical report with the Department of Fisheries and Oceans and 2 scientific article published in the Journal of Shellfish Research
- Chris Carr  
BSc (Hons) Engineering Geology and Geotechnics, retired Geoscientist
- Michel Chapdelaine  
MSc, Géologie, Montréal
- Michel Chossudovsky  
PhD of Economics, Professor of Economics, Emeritus, University of Ottawa
- Ian Clark  
Professor of Earth and Environmental Sciences, University of Ottawa
- Henry Clark  
Thermal/Power Engineer
- Edmond (ted) Clarke  
MSc, Engineering, Member of Friends on Science Society
- Paulo N. Correa  
Biophysicist and Oncologist, Inventor, Author of numerous books and research papers, Director of Research at Aurora Biophysics Research Institute
- Hortense Côté  
Ingénieur Géologue, Goldminds
- Susan Crockford  
Zoologist and Polar Bear Expert, Former Adjunct Professor University of Victoria
- Norman Curry  
Technical College, Design Engineering-Mechanical Engineering, President of National Zephyr Research
- Charles Danten  
former veterinarian, scientific translator, author, and free-lance journalist.
- John Bruce Davies  
BSc Pysics and Mathematics, MSc Geoscience, PhD Geophysics and Astrophysics, awards for research on cosmology and fundamental physics.
- Ronald Davison  
Professional Chemical Engineer, President of Friends of Science Society

## Canada continued

- Dr. E. David Day  
BSc, PhD, Chemistry
- A.E. Dixon  
PhD, Emeritus Professor of Physics, University of Waterloo
- Eric Ducharme  
MSc, Géologie, Abitibi
- Michel Dumais  
Ingénieur Civil Retraité, Université d'Ottawa
- Dr. George Duncan  
PhD, Retired environmental consultant from A & A Environmental Consultants Inc.
- Claude Duplessis  
BcSc, Géologie, Ingénieur Géologue, Goldminds
- Lee Eddy  
President of Blue Rock
- Craig A. Elliott  
MSc Mechanical Engineering, Design Consultant, President at CA Elliott Inc
- Ashton Embry  
Research Geologist, Embry Holdings
- Christopher Essex  
Emeritus Professor of Mathematics and Emeritus Professor of Physics, University of Western Ontario
- William Everitt  
Certified Engineering Technician (C.E.T.); British MCA 200 Ton Captain's License.
- David Fermor  
Anaesthesiologist, B.A., M.D., FRCPC
- Chris Fleming  
PhD, Senior Metallurgical Consultant
- Len Flint  
Ph.D, P.Eng. (Life Member). A 54 year career in oil and gas and renewable energies. Advisor on GHG footprints for several companies in Canada. Follower of the broad science.
- André Forgues  
Meteorologist/Aerologist
- Jeffrey Foss†  
Professor of Philosophy of Science, University of Victoria; Former WCD Ambassador
- Joseph Fournier  
PhD, Expert in Physical Chemistry
- Anita Frayne  
farmer and firm adherent of science realism-based decision making.
- Paul M Gagnon  
Professional Engineer
- George Gale  
PhD Geology, Mineral Deposit Geoscience
- Thomas Gallagher  
Earth Scientists, life-long career in the study of paleoclimate, geology and earth ocean systems, see <https://www.youtube.com/watch?v=pj-lu1i317E>
- 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
- Andre Julien  
MSc Mechanical Engineering, Thermodynamics Expert, over 40 patents published
- Klaus L.E. Kaiser  
Retired Research Scientist, National Water Research Institute, Author of Numerous Press Articles

## Canada continued

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

## Canada continued

- Brian R. Pratt  
Professor of Geological Sciences, University of Saskatchewan
- Michael Priaro  
BSc Chem. Eng, P.Eng, Member of Association of Professional Engineers and Geoscientists of Alberta
- Gerald Ratzer  
Professor Emeritus, Computer Science McGill University, Montreal
- John Angus Raw  
aerospace engineer, specialised in aerodynamics, life time career in the international aerospace industry
- Dr. Michael Raw  
PhD in Mechanical Engineering, specialization in computer modelling of fluid flow and heat transfer; current field of work in technology management
- Robert Reid  
BSF degree, Registered Professional Forester, lifetime experience in the forestry industry
- Norman Reilly  
Professor Emeritus of Mathematics, Simon Fraser University, British Columbia
- Gérald Riverin  
PhD, Géologie, Geologue Retraité
- John Robson  
Historian, Journalist, Documentary Filmmaker
- Peter Salonijs  
Retired Research Scientist, Natural Resources
- Marcelo C. Santos  
Professor of Geodesy, University of New Brunswick
- Paul R. Schmidt  
BSc, Professional Engineer Ontario, Research Scientist, Author/ Lecturer 'Review & Analysis of Climate Change', Member Friends of Science
- Ian De W. Semple  
Retired Exploration Geologist and Mining Investment Analyst of McGill University
- Afshin Shahzamani  
Retired professional (Medical Science Liaison) pharmaceutical industry
- Élie Shama  
Ingénieur Retraité en Électromécanique, Président d'Éconoden, Montréal
- Wayne Shephard  
MSc Geology, Retired oil and gas explorer
- H.F. (gus) Shurvell  
Emeritus Professor of Chemistry, Queen's University
- Brian Slack  
Distinguished Professor Emeritus, Concordia University Montreal, Department of Geography, Planning and Environment
- Aize Smit  
MSc Climatology on Global Warming, retired high school science and A.P. environmental science teacher
- Nigel Southway  
Business and Manufacturing Engineering Consultant, Educator, and Author
- Rodolfo (rudy) Spatzner  
graduated from Environmental/Civil Engineering Technology, Humber College, Ontario, lifetime experience in wireless networks across North America
- Robert Sproule  
PhD, Professor of Economics, Bishop's University, Quebec, Canada
- Michelle Stirling  
Writer/Researcher with focus on 'consensus' social proofs, Top 10% downloaded author on SSRN, Communications Manager, Friends of Science Society
- Mary Taitt  
PhD Zoology, MSc Ecology, retired
- Mario Thomas  
B.Sc., Ph.D. Chemistry, CEO and Chairman of Precision Biomonitoring Inc.
- Graydon Tranquilla  
BScEE, Electrical Power, Senior Electrical Engineer (retired), now an energy advisory consultant
- V Ismet Ugursal  
Professor of Mechanical Engineering, Dalhousie University
- Marc Vallée  
PhD, Geophysicien
- Petr Vaníček  
Dr. Sc, Professor Emeritus of Geodesy, University of New Brunswick
- Duncan Veasey  
psychiatrist with a particular interest in mass hysteria, authoritarianism and social compliance
- Prof. Dr. Ir. Frank C.J.M. Van Veggel  
Full Professor at the University of Victoria, M.Eng and PhD in Chemical Technology, University of Twente, The Netherlands, Since 2015 Fellow of the Royal Society of Canada
- Jean-Joel Vonarburg  
PhD, Professeur Ingénieur, Université du Québec à Chicoutimi
- Dr. Ronald Voss  
PhD Chemistry, lifetime career in the environment department of a research consortium
- Robert Wager  
BSc and MSc, Microbiological Sciences and Immunology, Biochemistry and Molecular Biology, Retired
- Dr. Helen Warn  
PhD in Fluid Dynamics from McGill University

## Canada continued

- Dr. Thorpe W. Watson
- Larry Weiers
- William Van Wijngaarden
- Kenneth W. Wilson
- Daryl Youck
- Al Zeeper

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 Croation Meteorological and Hydrological Service

### 1 Signatory

- Zorislav Gerber

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



## 1 SIGNATORY FROM CYPRUS

### 1 Signatory

- Darko Krstic

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



## 24 SIGNATORIES FROM CZECH REPUBLIC

### 1 WCD Ambassador

- Mgr. Jiri Kobza

Emeritus member of the Czech Parliament

### 23 Signatories

- Ladislav Bocak
- Pavel Dudr
- Jiri Duspiva
- Marek Eiderna
- Ass.Prof., RNDr. Tomas Elbertová
- Dr. Otakar Frank
- Tomas Furst
- Ketil Haarstad
- Václav Hubinger
- Pavel Kalenda
- Ing. Jan Kerner
- Václav Klaus
- Peter Kopa
- Tomáš Kvítek
- Lubos Motl
- Václav Procházka
- Milan Šálek
- 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 / 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

Local politician, former Mayor of Louny, member of ODS party

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 Budejovice

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
- Niels Harrit

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

MSc Economics, Climate Economics, Cost benefit analysis of CO2

Emeritus Associate Professor, Linguistics and Philosophy of Science, President Nordic Association of Linguists (NAL), Director, Center for Linguistics, Aalborg University

Emeritus Professor, Department of Mathematics, University of Copenhagen

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

## Denmark continued

- Sören Kjærsgaard
- Johannes Krüger
- Knud Larsen
- Peter Loch
- Peter Kjær Poulsen
- Steen Rasmussen
- Niels Schrøder
- Pavel Svennerberg



## 1 SIGNATORY FROM ECUADOR

### 1 Signatory

- Fernando Villon

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

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



## 3 SIGNATORY FROM ESTONIA

### 2 Signatory

- Jaak Henno
- 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 Mykkanen
- Ari Okkonen
- Dr. Antero Ollila
- Simo Ruoho
- Boris Winterhalter

PhD, MSc, former KTH, Royal Institute of Technology, freelance researcher, specialist in Structural Health Monitoring, sustainable development  
Engineer with academic studies in Physics, Chemistry and Mathematics  
Ba Econ, small business owner, retired  
MSc EE, Finland, Climate data analysis enthusiast  
Emeritus Adj. Ass. Professor Aalto University, expert in atmospheric modeling  
President Ilmastofoorumi ry Finland, Signature of association <https://ilmastofoorumi.fi> including its scientists and professional members  
Retired Marine Geology, Geological Survey of Finland



## 114 SIGNATORIES FROM FRANCE

### 1 WCD Ambassador

- Benoît Rittaud

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

### 113 Signatories

- Jean-Charles Abbé
- Pascal Acot
- Bertrand Alliot
- Yacine Amara
- Frédéric Antoine
- Charles Aubourg
- Hervé Azoulay

Former Research Director at CNRS, Labs Director (Strasbourg, Nantes) in Radiochemistry, Expert at NATO and IAEA  
Centre National de la Recherche Scientifique, Paris  
Environmentalist  
PhD of Applied Physics, Professor of Electrical Engineering graduated from Sciences Politiques in France  
Full Professor at the University of Pau, Geophysicist  
Engineer (CNAM), Specialist of Networks and Systemics, CEO and President of several Associations

## France continued

- Guy Barbey  
Alumnus of Harvard Business School, Retired Investment Banker, Founder and President of 'Climate et Vérité'
- Jean-Pierre Bardinet  
Ingénieur ENSEM, Publicist on Climate Issues
- Yorik Baunay  
Geographer (Master 2) specialized in the natural risk and crisis management, CEO of Ubyrisk Consultants (firm specialized on natural hazard mitigation)
- Bernard Beauzamy  
University Professor (Ret.), Chairman and CEO, Société de Calcul Mathématique SA (Paris)
- Serge Bellotto  
PhD, Geology
- Guy Bensimon  
Retired Associate Professor of Economics at Institute of Political Studies of Grenoble (SciencesPo Grenoble)
- Jean-Claude Bernier  
Emeritus Professor (University of Strasbourg), Former Director of the Institute of Chemistry of the CNRS
- Pierre Beslu†  
Former Researcher and Head of Department in the French Nuclear Energy Commission (CEA)
- Michel Bouillet  
PhD, Human Geography, Emeritus Professor, Former Associate Researcher at the MMSH (Aix-en-Provence)
- Christian Buson  
PhD, Agronomy, Director of Research in a Company (impact studies in Environmental Issues, Sewage Treatment)
- Jean-Louis Butré  
Head of Laboratory at Grenoble Nuclear Research Center, President of the Fédération Environnement Durable and the European Platform Against Windfarms
- Emmanuel Camhi  
Msc in Physics, life time experience in Complex Systems Modeling and Data Analysis in the Aerospace industry
- Bernard Capai  
Retired Chemistry Engineer, Specialist of Industrial Processes avoiding the use of Carcinogenic Solvents
- John Carr  
PhD in Physics, Directeur de Recherche CNRS (retired), Particle Physics and Astroparticle Physics
- Patrick de Casanove  
Doctor of Medicine, Chairman of the Cercle Frédéric Bastiat
- Philippe Catier  
Medical Doctor
- Vincent Chaplot  
PhD Soil Science, Senior Research Scientist
- Bruno Chaumontet  
Engineer ENSEA, specialized in Feedback Systems
- Pascal Chondroyannis  
Forest Engineer, Retired Director of the National Alpine Botanical Conservatory (2008-2013)
- Jean Michel Colin  
PhD, Retired Chemist Engineer, Expert for the French Academic Evaluation Agency (AERES)
- Philippe Colomban  
CNRS Research Emeritus Professor, Former Head of Laboratory at Université Piere-et-Marie Curie, Expert in Hydrogen-based Energy Storage
- Jacques Colombani  
Former Research Director ORSTOM-IRD, numerous Studies in Hydrology and Climatology and Specialist in Fluid Mechanics, Member of the Board of ORSTOM for twenty years
- Christian Coppe  
PhD, Organic & Analytical Chemistry
- Philippe Costa  
Energy Engineer at ENSEM Nancy, specialist in Industrial Process and Energy Saving
- Vincent Courtillot  
Geophysicist, Member of the French Academy of Sciences, Former Director of the Institute de Physique du Globe de Paris
- Pierre Darriulat  
Professor of Physics, Member of the French Academy of Sciences
- Jean Davy  
Engineer (ENSAM), Digital Modeling Software Developer
- Dr. Stephen John Dearden  
Retired Research Chemist, lifetime R&D experience in the general chemical, pharmaceutical and photographic industries
- Pierre Delarboulas  
CEO of a Robotics Company, Former R&D Director at Partnering Robotics, Silver Medal at the 2016 Lépine contest of the Ministry of Foreign Affairs and International Development
- Jean-Pierre Desmoulins  
Retired Professor of Thermal and Energy Engineering at the "Institut Universitaire de Technologie, Université-Grenobles-Alpes"
- Gérard Douhet  
PhD, Nuclear Physics, Retired Engineer at CERN, Technical Manager on Digital Transmission and Video Encoding
- Hubert Dulieu  
Emeritus Professor Applied Ecology, Formerly Senior Researcher in the CNRS, President of the National Scientific Research Committee, Vegetal Biology Section (XXVII)
- Dr. Denis Dupuy  
Urologist, climate realist

## France continued

- 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 Lucazeau  
Emeritus Professor (Institut Polytechnique de Grenoble) in Material Sciences and Spectroscopy
- Philippe Malburet  
Emeritus Associated Professor of Mathematics, Founder of the Planetarium of Aix-en-Provence, Member of the Academy of Aix-en-Provence
- Christian Marchal  
Astronomer and Mathematician, Former Research Director at the French National Office for Aerospace Studies and Research
- Dr. Yves G. Maria-Sube  
PhD in Geosciences Montpellier University, lifetime career in the geo-energy industry
- Paolo Martinengo  
Applied Physicist, Senior Staff Member in the Experimental Physics Department, Detector Technologies Group, CERN

## France continued

- 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 Ripoché Engineer INSA in Chemistry, Retired Project Manager in R&D, Expert in High Temperature Plasma for Optical Fiber Process
- Isabell Rivals† Associate Professor in Statistics at ESPCI Paris
- Bertrand Rouffiange Doctor of Medicine, specialized in Radiology
- Jean Rouquerol Emeritus Research Director at CNRS Marseille, Expert in Gas Adsorption and Calorimetry
- Georges de Sablet Retired Associate Professor at University of Paris Descartes, formerly in charge of Operating Systems and Networks at IUT Paris
- Jorge Julian Sanchez Martinez PhD in Physics, Msc in Solid State Physics MSc in Maths
- François Simonet PhD, Biology, Former Director for Planning and Foresight in a State Agency for Water and Aquatic Ecosystems Management
- Zakaria Tarif Scientific engineer specialized in electrical energy and telecommunications
- Luc C. Tartar Mathematician, corresponding member of Académie des Sciences in Paris, University Professor of Mathematics emeritus at Carnegie Mellon University, Pittsburgh, PA
- Marcel Terrier Ex Engineers in Industry, Former Teacher at the Douai School of Mines
- Michel Thizon Chemical engineer, ACR (Association des Climato-Réalistes, France) member, former researcher at the Ecole Polytechnique, consultant, retired
- David Uzal PhD philosophy of technics and PhD of practical philosophy
- Etienne Vernaz Former Director of Research of CEA (Commissariat à l'Énergie Atomique) in France, Professor at INSTN (Institut National des Sciences et Techniques Nucléaires)

## France continued

- Camille Veyres  
Retired Engineer at École des Mines, specialist in Telecommunications and Broadband Networks
- Werner de Ville Vreden  
writer (“Afrika”), developer and author
- Brigitte van Vliet-Lanoë  
Geoscientist, Emeritus Research Director (CNRS, Université de Bretagne Occidentale), Stratigraphy and Palaeoenvironments, Quaternary and Holocene
- 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 Freundlieb  
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
- Dr. Uwe Häcker  
Physicist/IT Specialist
- Eberhard Happe  
Eisenbahningenieur

## Germany continued

- 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, dealt with the energy industry and climate change
- Horst-Joachim Lüdecke Professor of Operations Research (i.R.) HTW of Saarland, Saarbrücken
- Hermann Luyken MSc Chemical Engineering

## Germany continued

- Wolfgang Merbach Professor Dr. Agrar. Habil. at Institut für Agrar Ernährungswissenschaften
- Prof. Lothar W. Meyer Emeritus Professor of Material Engineering, Chemnitz University of Technology, Saxony Entrepreneur 'Nordmetall GmbH', Member of the Board of 'Vernunftkraft Niedersachsen'
- Prof. Dr. med. Marcus Moller University Professor of translational Nephrology, RWTH Aachen University, Germany
- Jens Möller graduate economist, climate realist
- Wolfgang Monninger PhD, lifetime career in Petroleum Geology (Exploration, Petrophysics)
- Klaus Morawetz PhD Physics, Professor in Theoretical Physics, Quantum Kinetic Theory, Quantum Statistics
- Werner Mormann Emeritus Professor of Macromolecular Chemistry, Universität Siegen
- Dipl. Phys. Raimund Müller education in physics and thermodynamics, climate realist
- Holger Neulen retired mechanical engineer
- Prof. Dr.rer.nat Dr.med Peter Nielsen retired Biochemist and Physician from the Universital Hospital Hamburg-Eppendorf, medical faculty of the University of Hamburg
- Rainer Olzem Diplom-Geologe, Aachen
- Flo Osrainik Bestselling Author & Journalist
- Hans Penner PhD, Dipl.-Chem. Dr. rer. nat., Linkenheim-Hochstetten
- Lutz Peters Businessman with intensive experience as investor in carbon chemistry
- Dr. Dr. Wätzold Plaum Physicist and YouTuber
- Michael Principato MSc. in Electrical Engineering, specialised in control engineering and modeling
- Dieter Ramcke retired geophysicist
- Siegfried Reiprich Dipl.-Ing, Geoscientist and Oceanography
- Mathias Ricking Dr. rer.nat Geoscience, Environmental Geoscientist
- Andreas Salzman Dr. rer. nat. , Diplom Chemiker
- Prof. Dr. Dieter Schildknecht Professor of theoretical Physics, University of Bielefeld
- Dr. Hendrik Schlesing Environmental Expert and Consultant
- Christoph Schmidt MSc Mathematics, JWG-University Frankfurt
- Dr. Martin Schmidt PhD Physics, industrial career of research, development and production of hightec products and subsequently 22 years CEO of Möller-Wedel, a German medical company
- Dr.-Ing. Stefan Schmidt Senior Numerical Modeller of Unsteady Turbulent Flows
- Hans Joerg Schmidt Chemical Engineer and Autor of certain books, explaining atmospheric energy exchange and providing arguments against global warming caused by mankind
- Dr. Jens-Christoph Schneider PhD in Isotope Chemistry, life time career in palaeoclimate and atmospheric geochemistry
- Dr. rer. nat. Michael Schnell Retired Chemist
- Prof. Dr. Dr. Karl-Heinz Schulz University Hospital Hamburg-Eppendorf, interdisciplinary research in Medicine, Psychology and exercise science (<https://www.researchgate.net/profile/Karl-Heinz-Schulz-2>)
- Thomas Schulze Thomas Schulze, Dr. phil., Selbständiger Berater und Dozent
- Dipl. Psych. Ulrike Schwan Professional psychotherapist, psychotherapist look at the IPCC organization
- W.H. Eugen Schwartz Emeritus Professor of Theoretical Chemistry, Universitaet Siegen
- Dr.-Ing. Christian Singewald Dipl.-Geologist, PhD Mining Engineering
- Attila Sonal Dipl.-Ing. der Elektrotechnik, Retired am Technischen Universität Kaiserslautern, Stadtratsmitglied Kaiserslautern, Preisträger Ansaldo Ricerche Price
- Dr. Fritz Sontheimer Retired Physicist, PhD in Condensed Matter Physics
- Dr. Gerhard Stehlik PhD Natural Science Physico-Chemiste
- Dr. Wolfgang Strehlau Phys. Chemist, Technology Fellow in Johnson Matthey Plc, UK
- Lothar Strenge strategy and concept developer, full time writing on a large SF project
- Manuel Tacanho founder and president of the Afrindependent Institute
- Matthias Thiermann Parliamentary adviser in the Bavarian Parliament
- Dr. Holger Thuss President EIKE Institute
- Dr. Martin Treiber PhD in Physics, Professorship of Econometrics and Statistics

## Germany continued

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

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

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

Research Associate at CO2 Coalition, Contributor to Cornwall Alliance

PhD in BioTechnology, Professor

Economist with focus on Climate and Energy Policy



## 2 SIGNATORIES FROM INDONESIA

### 2 Signatories

- Dr. Dr Paul D Giammalvo
- Purwono Wahyudi

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

Entrepreneur and informed climate realist



## 22 SIGNATORIES FROM IRELAND

### 1 WCD Ambassador

- Jim O'Brien

Chair of the Irish Climate Science Forum, former Group Technical Advisor of CRH, Expert Reviewer of IPCC AR5 and AR6

### 21 Signatories

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

Electrical Engineer, Specialist in Power System Security

PhD Psychology, Consultant Clinical Psychologist working in private practice in Dublin

Physical Chemist specializing in Electrochemistry and Thermodynamics

MA (Cambridge), MBA (Harvard), Resource Company Director BAgricSc, Specialist in Genetics

Former Science Advisor, Department of Energy and Climate Change, U.K., Former Environmental Affairs Officer, United Nations Environment Division, Geneva, Switzerland

BSc (Hons) Chemistry, Industry Science Professional

Business Founder and Entrepreneur, MBA, DBA

MSc, MPhil, Senior International Environmental Consultant

electrical engineer, retired food industry research scientist

Emeritus Professor, School of Engineering, University College Cork

Retired, School of Engineering, University College Dublin, Expert Reviewer of IPCC AR6

Retired Senior Airline Captain, Fellow Royal Aeronautical Society

FIMMM, Founder Institute of Geologists of Ireland, EurGeol

PhD, former astrophysicist and meteorologist

Founding Chairman of Science Foundation Ireland

BE, CEng, FICHEM, PPSE, CEnv, MIEA, Challenger of Over-Reach in Environmental Legislation

Business Entrepreneur, Former Technical Director, CRH plc

BAgricSc, MA, Animal Nutritionist

Emeritus Associate Professor of Mechanical Engineering, Founding Director of the Master of Engineering (Energy Systems) Degree Programme and former Dean of Engineering, University College Dublin

Former Chairman, Irish Council for Science, Technology and Innovation; Former Director Energy Research Group, Virginia Tech, USA



## 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
- 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



## 215 SIGNATORIES FROM ITALY

### 1 WCD Ambassador

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

### 214 Signatories

- Pietro Agostini  
Ingegnere, Associazione Scienziati e Tecnologi per la Ricerca Italiana
- Aldo Aluigi  
Nuclear Engineer, Consultant in Power Plants, Cogeneration end District Heating
- Bianchini Antonio  
Professore di Astronomia, Università di Padova
- Giampiero Bagni  
Medieval historian, PhD on the muludisciplinary 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
- 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)

## Italy continued

- Roberto Bonucchi  
• Giampiero Borrielli  
• Gilles Bourgeois
  - Francesca Bozzano
  - Antonio Brambati
  - Gianfranco Brignoli  
• Marcello Buccolini  
• Paolo Budetta  
• Antonio Maria Calabrò  
• Monia Calista  
• Massimo Canali
  - Dr. Andrea Capodaglio  
• Cristiano Carabella  
• Peppe Caridi  
• Franco Casali
  - Andrea Casini
  - Giovanni Cassarino
  - Guglielmo Castro  
• Giuseppe Cautero
  - Dr. Fausto Cavalli  
• Giuliano Ceradelli  
• Augusta Vittoria Cerutti  
• Franco Di Cesare  
• Alessandro Chiaudani  
• Luigi Chilin  
• Claudio Ciani
  - Edoardo Cicali
  - Pino Cippitelli  
• Carlo Colomba  
• Enrico Colombo  
• Vito Comencini  
• Enrico Conti  
• Ferruccio Cornicello  
• Domenico Corradini  
• Carlo Del Corso  
• Uberto Crescenti
  - Fulvio Crisciani
  - Salvatore Custodero  
• Roberto D'arielli  
• Francesco Dellacasa  
• Alessandro Demontis
  - Gandolfo Dominici
- Insegnante in Pensione  
Ingegnere  
Professional Engineer with 27 experience in applied thermodynamics in oil and gas  
Professore di Geologia Applicata, Università di Roma La Sapienza, Direttore del Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI)  
Professore di Sedimentologia, Università di Trieste, Responsabile Progetto Paleoclima-mare del PNRA, già Presidente Commissione Nazionale di Oceanografia  
Geologo  
Professore di Geomorfologia, Università di Chieti-Pescara  
Professore di Geologia Applicata, Università di Napoli  
Ingegnere, Ricercatore, Consulente  
Ricercatore di Geologia Applicata, Università di Chieti-Pescara  
Associate Professor of Agricultural Economics and Policy, Department of Agriculture and Food Sciences, University of Bologna  
PhD, Professor, Environmental Engineering, University of Pavia  
Geologo, Borsista presso l'Università di Chieti
- Professore di Fisica, Università di Bologna e Accademia delle Scienze di Bologna  
Lifetime career in electronic engineering and radiocommunications, patent holder in wideband radio signals transmission over fiber optics, Member of The Climate Reality Project  
Retired Geologist, former Regione Siciliana Assessorato Beni Culturali ed I.S - Italy  
Geologist, Retired Professor of Mineralogy, University of Palermo  
MSc in Physics, head of the Instrumentation & Detectors Laboratory, Elettra Synchrotron radiation Source  
Agronomist, specialisation in meteorology  
Ingegnere e Climatologo, ALDAI  
Membro del Comitato Glaciologico Italiano  
Dirigente, Agip-Eni  
PhD, Agronomo, Università di Chieti-Pescara  
Dirigente in Pensione  
Relazioni Internazionali, Scienza Politica, Università di Roma La Sapienza  
Member of the C.I.R.N (Italian Nuclear Relaunch Committee) and of the "Atoms for peace" association, former employee of a Radiological Medical Center. Currently in the IT sector  
Geologo Agip-Eni
- Chimico, Dirigente Industriale  
Onorevole, Membro della Camera dei Deputati italiana dal 2018  
Physicist, Istituto Nazionale di Fisica Nucleare (INFN)  
Fotografo e Lettore di Studi sul Clima  
Professore di Geologia Storica, Università di Modena  
Ingegnere Chimico  
Professore Emerito di Geologia Applicata, Università di Chieti-Pescara, già Magnifico Rettore e Presidente della Società Geologica Italiana  
Professore di Fluidodinamica Geofisica, Università di Trieste e Istituto Scienze Marine, Cnr, Trieste
- Geologo, Borsista presso l'Università di Chieti  
Ingegnere, Amministratore di Società nel Settore Energetico  
Perito Chimico Industriale, Tecnico per la Gestione delle Acque e delle Risorse Ambientali, Pomezia  
PhD in Business Management, Associate Professor of Business Management and Marketing, University of Palermo, Italy

## Italy continued

- Serena Doria  
Ricercatore di Probabilità e Statistica Matematica, Università di Chieti-Pescara
- Carlo Esposito  
Professore di Rischi Geologici, Università di Roma La Sapienza
- Gianluca Esposito  
Geologo
- Prof. Stefano Falcinelli  
PhD, Professor of Chemistry and Materials Technology, Department of Civil and Environmental Engineering, University of Perugia
- Antonio Mario Federico  
Professore di Geotecnica, Politecnico di Bari
- Aureliano Ferri  
Vicepresidente Associazione Piceno Tecnologie
- Maurizio Fiorelli  
Sommelier Professionale, Studioso dell'evoluzione nella Coltivazione delle Vigne
- Mario Floris  
Professore di Telerilevamento, Università di Padova
- Gianni Fochi  
Chimico, Ricercatore in Pensione della Scuola Normale Superiore, Giornalista Scientifico
- Sergio Fontanot  
Ingegnere
- Luigi Fressoia  
Architetto Urbanista, Perugia
- Mario Gaeta  
Professore di Vulcanologia, Università di Roma La Sapienza
- Stefano Galli  
MSc. In Chemical Engineering, retired researcher
- Sabino Gallo  
Ingegnere Nucleare e Scrittore Scientifico
- Stefano Gallozzi  
Degree in Physics, 1st Researcher at the INAF, Italian Institute for Astrophysics, Astronomical Observatory of Rome and president of the Safeguarding Astronomical Sky Foundation
- Giuseppe Gambolati  
Fellow della American Geophysical Union, Professore di Metodi Numerici, Università di Padova
- Alessio Del Gatto  
Liceo Scientifico, Collaboratore Attivita Solare.it
- Rinaldo Genevois  
Professore di Geologia Applicata, Università di Padova
- Umberto Gentili  
Fisico dell'ENEA, Climatologo per il Progetto Antartide, ora in pensione
- Enrico Ghinato  
Perito Fisico
- Mario Giaccio  
Professore di Tecnologia ed Economia delle Fonti di Energia, Università di Chieti-Pescara, già Preside della Facoltà di Economia
- Daniela Giannessi  
Chimico, Primo Ricercatore ora in pensione da CNR
- Roberto Grassi  
Ingegnere, Amministratore G&G, Roma
- Roberto Graziano  
Ricercatore di Geologia Stratigrafica e Paleoclimatologia/  
Paleoceanografia, Università di Napoli, già Geologo presso il Servizio Geologico d'Italia
- Alberto Guidorzi  
Agronomo
- Roberto Habel  
Professore di Fisica Medica, Università di Cagliari
- Nicola Iacovone  
Physicist
- Thomas Kukovec  
Tropical Agronomist and Subtropical Field Biologist, Scientific adviser and consultant in research-projects and learned societies
- Alberto Lagi  
Ingegnere, Presidente di Società Ripristino Impianti Complessi Danneggiati
- Dr. Francesco Lamberti  
PhD in Material Science of the University of Padova, working on next generation PV
- Luciano Lepori†  
Ricercatore IPCF-CNR, Pisa
- Carlo Lombardi  
Professore di Impianti Nucleari, Politecnico di Milano
- Walter Luini  
Geometra
- Roberto Madrigali  
Meteorologo
- Angelo Maggiora  
PhD, INFN Senior Researcher, more than 40 years Experience in Research at CERN, Saclay, Dubna and Frascati
- Franco Maloberti  
Emeritus Professor, expert on microelectronics and modelling
- Ettore Malpezzi  
Ingegnere
- Vania Mancinelli  
Geologo, Borsista presso l'Università di Chieti
- Dr Fabio Carmelo Manuella  
None
- Ludovica Manusardi  
Fisico Nucleare e Giornalista Scientifico, UGIS
- Luigi Marino  
Geologo, Centro Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza
- Maurizio Marsigli  
Graduated in Geological Sciences and science author on the Sun and Space Meteorology

## Italy continued

- Francesco Martelli  
Professor Emeritus of University of Florence, Former President of European Turbomachinery Society
- Alessandro Martelli  
Ingegnere, già Dirigente ENEA
- Paolo Martini  
Independent Petroleum Geologist, ex-Eni
- Salvatore Martino  
Professore di Geologia Applicata all'Ingegneria al Territorio ed ai Rischi, Università di Roma "Sapienza"
- Maria Massullo  
Tecnologa, ASTRI Scienza Nazionale \*Associazione Scienziati Ricercatori e Tecnologi Italiani (astri@scienzanazionale.it)
- Enrico Matteoli  
Primo ricercatore in Chimica-Fisica, ora in pensione da CNR
- Daniele Mazza  
Former Professor of Applied Chemistry at Politecnico di Torino, Current research: climate issues, ocean chemistry, CO2 dynamic equilibria in seawater and climate cyclic variations.
- Paul P.A. Mazza  
Associate Professor of Quaternary Geology and Paleontology and of Archeozoology, University of Florence
- Paolo Mazzanti  
Professore di Interferometria Satellitare, Università di Roma La Sapienza
- Adriano Mazzarella  
Professore di Meteorologia e Climatologia, Università di Napoli
- Marcello Mazzoleni  
Teacher and entrepreneur in the training sector, Fondatore del Website MeteoSincero
- Carlo Merli  
Professore di Tecnologie Ambientali, Università di Roma La Sapienza
- Enrico Miccadei  
Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara
- Gabriella Mincione  
Professore di Scienze e Tecniche di Medicina di Laboratorio, Università di Chieti-Pescara
- Umberto Minopoli†
- Diego Minuto  
Presidente dell'Associazione Italiana Nucleare
- Alberto Mirandola  
MSc Geology, Engineering Geologist, Italy
- Aurelio Misiti  
Professore di Energetica Applicata e Presidente Dottorato di Ricerca in Energetica, Università di Padova
- Maurizio Montuoro  
Professore di Ingegneria sanitaria-Ambientale, Università di Roma La Sapienza, già Preside della Facoltà di Ingegneria, già Presidente del Consiglio Superiore ai Lavori Pubblici
- Maria Luisa Moriconi  
Medico  
CNR researcher at Institute of Atmospheric Physics (retired) and associate to INAF until 2020
- Renzo Mosetti  
Professore di Oceanografia, Università di Trieste, già Direttore del Dipartimento di Oceanografia, Istituto OGS, Trieste
- Prof. Federico A. Nazar  
Researcher at Scientific Progress Fund, former Professor at the Pontifical Catholic University of Argentina
- Prof. Rinaldo Nicolich  
Emeritus Professor of Applied Geophysics, University of Trieste
- Daniela Novembre  
Ricercatore in Georisorse Minerarie e Applicazioni Mineralogichepetrografiche, Università di Chieti-Pescara
- Francesco Oriolo  
Professore di Impianti Nucleari, Università di Pisa
- Paolo Emmanuele Orrù  
Professore di Geografia Fisica e Geomorfologia, Università di Cagliari
- Sergio Ortolani  
Professore di Astronomia e Astrofisica, Università di Padova
- Roberto Pagani  
Freelance Geologist
- Alessandro Pagano  
Geologist
- Giorgio Paglia  
Geologo, Borsista presso l'Università di Chieti
- Massimo Pallotta  
Primo Tecnologo, Istituto Nazionale Fisica Nucleare
- Antonio Panebianco  
Ingegnere
- Giuliano Panza  
Prof. Geophysics – Trieste, Emeritus Hon. Prof. Inst. IGP-CEA – Beijing, LINCEO, EGU Beno Gutenberg medal 2000, Int. Award AGU 2018, Knight OMRI since 2015 – Rome
- Emanuele Paone  
BSc.(HONS) Geology, M.Sc Geology, Geologist
- Prof. Andrea Pardini  
PhD, University of Florence
- Antonio Pasculli  
Ricercatore di Geologia Applicata, Università di Chieti-Pescara
- Ernesto Pedrocchi  
Professore Emerito di Energetica, Politecnico di Milano
- Davide Peluzzi  
Ambasciatore del Parco Nazionale del Gran Sasso e dei Monti della Laga nel Mondo nel 2017
- Corrado Penna  
Docente di Matematica
- Enzo Pennetta  
Professore di Scienze Naturali e Divulgatore Scientifico

## Italy continued

- Gianni Pettinari Impiegato Amministrativo, Fondatore del gruppo Facebook: "Falsi allarmismi sul riscaldamento globale"
- Alessandro Pezzoli Ricercatore universitario e Professore aggregato in Weather Risk Management, Politecnico di Torino e Università di Torino
- Tommaso Piacentini Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara
- Stefano De Pieri Ingegnere Energetico e Nucleare
- Paolo M.J. Pilli Pensionato
- Massimo Pilolli PhD Physics, Physicist, Meteorologist, Teacher
- Stefano Piotto PhD in Chemistry, Associate professor in Chemistry at the University of Salerno
- Mirco Poletto Geologo libero professionista, registered at 'Ordine dei geologi del Veneto'
- Andrea Pomozzi Presidente Associazione Piceno Tecnologie
- Guido Possa Ingegnere nucleare, già Viceministro del Ministero dell'Istruzione, Università e Ricerca con delega alla ricerca
- Alfonso Pozio PhD, Senior Researcher, ENEA CR Casaccia, Rome
- Giorgio Prinzi† Ingegnere, Direttore responsabile della Rivista "21mo Secolo Scienza e tecnologia"
- Franco Prodi Professore di Fisica dell'Atmosfera, Università di Ferrara
- Franco Puglia Ingegnere, Presidente CCC, Milano
- Francesca Quercia Geologo, Dirigente di Ricerca, Ispra
- Nunzia Radatti Chimico, Sogin
- Arnaldo Radovix Geologo, Risk Manager in Derivati Finanziari
- Maurizio Rainisio Mathematician, Lifetime career in Clinical Development and Epidemiology
- Mario Luigi Rainone Professore di Geologia Applicata, Università di Chieti-Pescara
- Mario Rampichini Chimico, Dirigente Industriale in pensione, Consulente
- Arturo Raspini Geologo, Ricercatore, Istituto di Scienze Marine (ISMAR), Consiglio Nazionale delle Ricerche (CNR), Bologna
- Enzo Reali MSc, Agricultural and Rural Development Expert
- Marco Ricci Fisico, Primo Ricercatore, Istituto Nazionale di Fisica Nucleare
- Renato Angelo Ricci Professore Emerito di Fisica, Università di Padova, già Presidente della Società Italiana di Fisica e della Società Europea di Fisica, Movimento Galileo 2001
- Renzo Riva Comitato Italiano Rilancio Nucleare (C.I.R.N.), Buja
- Dario Rivolta PhD, Deputy and Vice President of the Foreign Affairs Committee of the Chamber of Deputies – ITALY, Social psychologist and scholar of world history
- Piermarco Romagnoli Ingegnere, Milano
- Vincenzo Romanello Ingegnere nucleare, Ricercatore presso il Centro di Ricerca Nucleare di Rez, Repubblica Ceca
- Stefano Rosso Insegnante di Geografia, Storia e Italiano, Scuola Secondaria, Modena
- Piergiorgio Rosso Ingegnere Chimico
- Alberto Rota Ingegnere, Ricercatore presso CISE ed ENEL, Esperto di Energie Rinnovabili
- Ettore Ruberti Ricercatore ENEA, Docente di Biologia Generale e Molecolare
- Giancarlo Ruocco Professore di Struttura della Materia, Università di Roma La Sapienza
- Sergio Rusi Professore di Idrogeologia, Università di Chieti-Pescara
- prof. Domenico Salimbeni former professor of automatic, controls and energy at the University of Cagliari
- Massimo Salleolini Professore di Idrogeologia Applicata e Idrogeologia Ambientale, Università di Siena
- Prof. Enrico Sanjust Full Professor of medicinal Chemistry, Department of Biomedical Sciences, Cagliari State University
- Nicola Scafetta Professore di Fisica dell'Atmosfera e Oceanografia, Università di Napoli
- Emanuele Scalcone Responsabile Servizio Agrometeorologico Regionale ALSIA, Basilicata
- Nicola Sciarra Professore di Geologia Applicata, Università di Chieti-Pescara
- Francesco Sensi Generale di Divisione Aerea (R)

## Italy continued

- Massimo Sepielli  
Direttore di Ricerca, ASTRI Scienza Nazionale \*Associazione Scienziati Ricercatori e Tecnologi Italiani (astri@scienzanazionale.it)
- Leonello Serva  
Geologo, Accademia Europa delle Scienze e delle Arti, Classe V, Scienze Tecnologiche e Ambientali, già Direttore Servizio Geologico d'Italia
- Roberto Simonetti  
Geologo, R&D c/o Azienda S.I.I.
- Elio Sindoni  
Professore Emerito dell'Università di Milano Bicocca
- Enzo Siviero  
Professore di Ponti, Università di Venezia, Rettore dell'Università e-Campus
- Rinaldo Sorgenti  
Deputy Chairman of ASSOCARBONI
- Ugo Spezia  
Ingegnere, Responsabile Sicurezza Industriale, Sogin, Movimento Galileo 2001
- Luigi Stedile  
Geologo, Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza
- Emilio Stefani  
Professore di Patologia Vegetale, Università di Modena
- Flavio Tabanelli  
Fisico
- Maria Grazia Tenti  
Geologo
- Umberto Tirelli  
Visiting Senior Scientist, Istituto Tumori d'Aviano, Movimento Galileo 2001
- Francesco Torre  
Former Associate Professor of Geomorphology at the University of Bologna
- Giorgio Trenta†  
Fisico e Medico, Presidente Emerito dell'Associazione Italiana di Radioprotezione Medica, Movimento Galileo 2001
- Riccardo Tucci  
agroecology and regenerative expert
- Roberto Vacca  
Ingegnere e Scrittore Scientifico
- Gianluca Valensise  
Dirigente di Ricerca, Istituto Nazionale di Geofisica e Vulcanologia, Roma
- ing. Michele Vallario  
Engineer, freelance professional
- Prof. Paolo Sebastiano Valvo  
PhD - Associate Professor of Solid and Structural Mechanics, University of Pisa
- Corrado Venturini  
Professore di Geologia Strutturale, Università di Bologna
- Flavio Vetrano  
Honorary Professor of General Physics, DiSPeA, University Carlo Bo , Urbino
- Mario Visaggio  
founder of the scientific Facebook page of Klima and science (Klima e scienza)
- Benedetto De Vivo  
Professore di Geochimica in Pensione dall'Università di Napoli; ora Professore Straordinario presso Università Telematica Pegaso, Napoli
- Mario Voltaggio  
MSc in Geology, former first researcher CNR IGAG, retired
- Andrea Zaccone  
Geologo, Dirigente Protezione Civile Regione Lombardia
- Luigi Zanotto  
Docente in Pensione
- Franco Zavatti  
Ricercatore di Astronomia, Università di Bologna
- Antonino Zichichi  
Professore Emerito di Fisica, Università di Bologna, Fondatore e Presidente del Centro di Cultura Scientifica Ettore Majorana di Erice
- Prof. Daniele Zoni  
Docente di Matematica, Fisica ed Informatica presso l'Istituto Elvetico di Lugano



## 7 SIGNATORIES FROM JAPAN

### 7 Signatories

- Takahiko Ban  
Ph. D. Chemical Engineering, Associate Professor at Osaka University
- Masayuki Hyodo  
Professor of Earth Science, Kobe University, Japan
- Kanzan (KZ) Inoue  
Ph.D., Physicist & President of Exponential Future LLC
- Yoshihiro Muronaka  
Technical consultant covering energy & environment, Professional Engineer
- Mototaka Nakamura  
Atmospheric and Oceanic Scientist (ScD in Meteorology, MIT)
- Dr. Hiroshi L. Tanaka  
Professor in Atmospheric Science, Centre for Computational Sciences, University of Tsukuba
- Junji Yamamoto  
PhD, Professor of Earth and Planetary Sciences, Kyushu University



## 1 SIGNATORY FROM KENYA

### 1 Signatory

- Reginald Oduor

Associate Professor of Philosophy, University of Nairobi, Kenya



## 1 SIGNATORY FROM KUWAIT

### 1 Signatory

- Mohammad A. AlKhamis

DVM, MPVM, PhD, Assistant Professor of Epidemiology, Department of Epidemiology and Biostatistics, Faculty of Public Health, Health Sciences Center, Kuwait University



## 1 SIGNATORY FROM MALAYSIA

### 1 Signatory

- Christoffel Schoneveld

Earth Scientist and Retired Shell Exploration Geophysicist



## 1 SIGNATORY FROM MALTA

### 1 Signatory

- Joseph Attard

Retired Scientist, PhD chemical engineering MSc Electronics Communication



## 5 SIGNATORIES FROM MEXICO

### 5 Signatories

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

Master degree in Applied Economics, Industrial Engineer  
Chemical Engineer  
PhD, Urbanism, Expert in Sustainability and Energy Transitions  
PhD in Physics, Professor at Faculty of Physics, University of Zacatecas  
PhD, Space Engineer



## 1 SIGNATORY FROM NAMIBIA

### 1 Signatory

- Dr. Simon Idris Beshir

Cardiologist, currently involved in Green Project in Kalahari Desert



## 161 SIGNATORIES FROM NETHERLANDS

### 2 WCD Ambassadors

- Prof.Dr.Ir. Guus Berkhout
- Dr. C. (kees) Le Pair

Emeritus Professor of Geophysics, Delft University of Technology, Member of the Royal Netherlands Academy of Arts and Sciences  
Physicist, Former CEO Netherlands National Physics & Technology Research Organisations

### 159 Signatories

- Drs. Jan H. Akkerman
- Maarten Van An del
- Tjeerd Andringa
- Nanda Josina Sofia Bakker -Ait Arrami
- Jan Asselbergs
- Dries Ausems
- René Bakers
- Dr. Tom Bakker

MSc Structural Geology (cum laude), specialized in metals exploration and mining, of which 19 years with Billiton and >24 years as director of Akkerman Exploration B.V.  
Author of the 'Groene Illusie'  
MSc in Physics, PhD in Signal Processing, former Associate Professor of Sensory Cognition, Epistemologist  
MSc, MBA  
Mechanical Engineer who started his career with IHC. Since 1990 he is active in revitalizing medium sized companies  
MSc, Earth Sciences, Lifetime Experience as Geologist in the Geo-Energy Industry  
Former Lawyer and Attorney Liability and Insurance  
Lifetime Experience in the Geo-energy Industry, Founder and former (or retired) CEO of Well Engineering Partners BV

## Netherlands continued

- Robert Becht Lifetime R&D Experience in Water Management with emphasis on water management in East Africa
- Frans Van Den Beemt Nuclear Physicist, Former Program Director Technology Foundation STW
- Jan Jacob Siepman Van Den Berg retired teacher in physics, mathematics, astronomy and phenomenology
- Jan Bernard Geologist dredging- and offshore industry and Royal Netherlands Navy Reserve (hydrography)
- Drs. A (toine) J. A. Beukering Bgen (b.d.), Member of the Provincial Council of Zuid Holland, Member of the Senate (Eerste Kamer) of the Dutch Parliament (the States General)
- Jim Van Beusekom Retired Captain B747-400 with KLM, 35 years observational knowledge of the Earth's atmosphere
- Maarten Biesheuvel MSc and PhD Chemical Technology, University of Twente, Senior Scientist Chemical Engineering and Water Technology, Wetsus
- André Bijkerk Retired Officer Royal Dutch Air Force, now Climate Researcher
- Dr. Frans Bijlaard Professor-Emeritus steel constructions, TU Delft
- Dr. Ruud Binnekamp Msc Integral Design and Management, teacher and researcher in design and decision systems at TU Delft
- Harold J. Blaauw PhD in Physics, Secretary of the former Netherlands Energy Research Council, independent consultant (retired)
- Peter Bloemers Emeritus Professor of Biochemistry, Radboud University, Nijmegen
- Albert F.T. De Booij† Founder Speakers Academy Int. BV, Founder and CEO World of Consciousness.com, Co-Founder with Pim Fortuyn of the political party LPF
- Hans Bouman MSc, Chemistry, Professional in Production Technology and Asset Management
- Dr. Ir. Arnold Bovy retired, former Director Energy Transmission Company MEGALIMBURG
- Ben Braam Msc in Physics, lifetime career in space instrumentation
- Paul M.C. Braat Emeritus Professor of Pulmonary Physics, University of Amsterdam
- Solke Bruin Emeritus Professor of Product-driven Process Technology, University of Eindhoven and Former Member Management Committee Unilever Research, Vlaardingen
- Dr. T.H.L. Claassen Aquatic Ecologist
- Prof.Dr. Paul Cliteur Professor of Legal Sciences, Member of the Senate of The Netherlands
- Albert J.H.G. Cloosterman Retired Chemical Engineer, Publicist on Climate and Cosmological Matters
- Charles Coleman former executive Olivetti Group International
- Marcel Crok Climate Researcher and Science Journalist
- G. Diephuis MSc, Geosciences, specialized in Geophysics, Lifetime Experience in the Geo-Energy Industry, Guest Lecturer TU Delft
- Henck Van Dijk Sculptor, designer and innovator
- Hessel Van Dijk Organic Chemist
- David E. Dirkse Former Computer Engineer and Teacher Mathematics
- Dr. Tjibbe Dokter MBA, Expert in Scenario Analysis and Risk Assessment, retired from AkzoNobel
- Marco Draaisma ICT Process Coördinator
- Vincent Van Driel MSc Mechanical Engineering TU Delft, Design and Construction of gas / oil processing plants, Retired
- Dr. Jan W. Drukkert† Emeritus Professor Industrial Design Delft University of Technology, University of Twente and (Visiting Professor) Tsinghua University Beijing,
- Arjan Duiker Process Technologist at Tata Steel, specialist on Thermodynamics and Fluid Mechanics
- Jeremy Dyson lifetime career in the physics of soil processes and interactions with land management
- prof. dr. ir. Jan Dirk Van Elsas PhD, Em. Prof .Microbial Ecology, RUG
- Louw Feenstra Emeritus Professor Erasmus University and Philosopher, Rotterdam
- Arnold Fellendans† Physics at TU Delft, 40 years at Unilever (retired), [www.omdeearde.nl](http://www.omdeearde.nl)
- Frans Galjee Mechanical Engineer, Retired Researcher at ECN

## Netherlands continued

- Harold Van Garderen PhD in complexity science/chemistry (TU Eindhoven) and social complexity/narrative scientist (self-employed)
- Drs ing Johannes Gerardus V Gils Teacher in Physics
- Ir. Henk Goemans MSc, Geosciences, specialized in Reservoir Engineering
- Frans H Gortemaker Former Vice President Unilever Global R&D
- Drs. W.J. Evert Van De Graaff Consulting Geologist, 50+ years Global Experience
- Ton Grimberg Oil & Gas Professional, Finance Adviser
- Katharina Grimm Msc Agroecology and Sustainable Food Systems, Project Leader energy transition at the municipality of Epe
- Dr. Ir. Paul De Groot Co-founder dGB Earth Sciences
- Ir. Kees De Groot Former Director Upstream Research Lab. Shell
- Lex A. Van Gunsteren Marine propulsion expert, former director of Corporate Planning and R&D of the Royal Boskalis Westminster Group, former professor of Technology at TU Delft and Erasmus University
- Leo Halvers Former Director Billiton Research Arnhem and Former Director Technology Foundation STW
- Hans Hamaker University Degree in Phonetic Sciences, expert in biomechanics of speech, supporter of plasma cosmology, former wireless communication officer
- Maarten Hardon BSc, Civil Engineering, Lifetime Experience in Offshore Industry, Director Venty BV
- Eduard Harinck† Former Logistics Expert, Nedlloyd Group/KPMG Consulting
- Drs. Godard Hazeu MSc, Geosciences, specialized in Geology, past Technical Director of the Dutch State Oil and Gas Company EBN
- Edward Heerema Msc in Civil Engineering TU Delft, Chairman of Allseas, worldwide active in offshore pipelaying and platform lifting
- J.R. Hetzler† Retired WUR Engineer Forestry Economics
- Dr. Tom Van Der Hoeven Energy Transport Modeling Expert
- Jan Holtrop† Emeritus Professor of Petroleum Engineering, Delft University of Technology
- J.A.R. Hombroek MSc, Geoscience, Lifetime Experience in the International Geo-Energy Industry
- Tom Hoornstra Air-Conditioning Engineer
- Jan Horstink Earth Scientist, Exploration Projects Oil & Gas ME & FE
- A. Huijser Physicist and Former CTO Royal Philips Electronics
- Jan De Jager emeritus professor Geology (VU University Amsterdam, University of Utrecht)
- Jan De Jong former director Sampo Industrial Insurance NV. Benelux and Electrорisk Verzekeringsmaatschappij N.V.
- Ir J.C. De Jong Msc Process Engineering TU Delft, expert in energy-and thermal process engineering, lifetime career in the oil and gas industry
- Wouter Keller Emeritus Professor of Statistical Methods, Former Member Board of Directors, Central Bureau of Statistics (CBS)
- Jacques Van Kerchove Economist and Marketeer, Former CFO Rabobank, now Climate and Environment Researcher
- Henri G. Kerkdijk-Otten Msc History, University of Nijmegen, Founder and Chairman of Restoring Africa's Wildlife Foundation, Founder and former chairman of True Nature Foundation
- Rob De Kok Principal Geophysicist, researching Influence of CO2 on Atmospheric Temperatures
- Hans Kolmschate Chemical Engineer, University of Twente
- Henk De Koning MSc, former Principal Management Consultant Atos Consulting with specialisation Logistics, IT and Information Security
- Rob Kouffeld† Emeritus Professor of Energy Conversion, Delft University of Technology
- Hans H.J. Labohm Former Expert Reviewer IPCC
- Prof. dr. Cornelis A. De Lange Emeritus Professor of Atmospheric Chemistry and Physics, and Complex Modelling, Former Senator in the Dutch Senate
- Arjan Lenoir MSc Industrial Sciences
- Christopher Lingle PhD Economics Universidad Francisco Marroquín
- Dr. ir. B.G. Linsen Former Director Unilever Research Vlaardingen

## Netherlands continued

- Jaap M. Van Luijk  
Msc. Petroleum Engineering, lifetime experience in the international geo-energy industry
- PROF. DR. Pieter Lukkes†  
Emeritus Professor of Economic and Human Geography, University of Groningen
- Ronald Luttikhuisen  
Studied Physical Geography, retired economist and statistician
- Hugo Matthijssen  
Former Teacher Meteorology, now Publicist on Climate Matters
- Leo D. Minnigh  
PhD, retired scientist in structural geology, lecturer/speaker for non-professionals
- Dr. Rob Mooij  
PhD in Nuclear Physics at University of Utrecht, MS Computer Science at Drexel University, Philadelphia, Retired as Medical Physicist from University of Pennsylvania
- Ir. J.M. Mulderink  
Former General Director Akzo-Nobel
- Rob Nijssen  
Radar Engineer and Publicist on Climate Matters
- Rutger Van Den Noort  
PhD, advisor in Innovation Processes, CEO Newcalf
- Ir. Kees Van Onselen  
Developer, Marketeer and Business Intelligence Manager at Medical Supply Companies. Retired.
- Ir. Peter Oosterling  
Former Scientist E & P Shell, now active as Climate Researcher
- Daan Osinga  
Geologist
- Ir. Kees Pieters  
Mathematician, Former Operational Research and ICT manager at Shell
- Robert J. Van Der Plas  
MSc Applied Physics, MSc Development Studies, Sustainable Energy Management and Development Specialist
- Reynier Pronk  
Former IT Manager, Accredited Project Management Consultant and Trainer
- Paul Ras  
Msc Geophysics TU Delft, Geophysical Consultant, climate realist
- Ir. Peter Rauwerda  
Msc in nuclear engineering, TU Delft
- Louis M.P.T. Van Den Reek  
PharmD, Member of 'De Groene Rekenkamer'
- Jan C. Reinoud  
retired CEO Dutch chain of Supermarkets
- A.G. Reitsma  
MSc in Social technology, planned change (University of Groningen 1978) Social Technician
- Kees Remi  
Electrical Engineer, lifetime experience in Energy Distribution and Industrial Automation
- George T. Robillard  
Emeritus Professor of Biochemistry and Biophysics
- Jaap Romijn  
Msc in Civil Engineering TU Delft, lifetime experience in water management projects
- Kees Roos  
Emeritus Professor of Optimization Technology, Delft University of Technology
- Albertus F. Rooze  
MSc in Chemistry, mathematics and natural sciences, retired
- Robert Sambell  
PhD, Physics, Professional Geophysicist
- Rutger Van Santen  
Emeritus Professor of Anorganic Chemistry and Catalysis, Former Rector Magnificus, Eindhoven University
- Don Schäfer  
Former Director Shell Exploration & Production and New Business, Shell
- Juleon Schins  
PhD in Molecular Physics, specialist in near infrared spectroscopy
- Dr. Rob Schoevaart  
Biocatalist, Co-founder and Managing Director of ChiralVision, being specialised in making chemical processes greener
- Frans Schrijver  
Strategy Consultant and Climate Publicist
- Bert Sigmond  
Geologist, Founder of EuGeNe Company in Geothermal Energy
- Hendrick Smit  
Chemical Engineer, specialised in Environmental Instrumentation
- Prof.Dr.Ir. Jos De Smit  
Emeritus Professor of Stochastic Operations Research and Former Rector Magnificus of the University of Twente
- 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.

## Netherlands continued

- P.J. Strijkert  
Former Member Board of Directors of DSM, Delft
- Dr Hans Van Suijdam  
Former Executive Vice President Research and Development DSM
- Dick Swart  
MSC, worldwide drilling expert, lifetime of experience in the geo-energy industry
- Dr. Harrie C. M. De Swart  
Emeritus Professor of Logic and Language Analysis, University of Tilburg, Author of the book 'Philosophical and Mathematical Logic'
- Peter Van Toorn  
Former Research Geophysicist Shell
- Fred Udo†  
Emeritus Professor of Nuclear Physics, Vrije Universiteit Brussels
- Ir. Arnold Uijlenhoet  
retired Electrical Engineer, TU Delft, Postgraduate at University of Pittsburgh, Lifetime international experience in power generation, transmission, and distribution
- Maarten Vasbinder  
MD, specialized in prion theories and practice
- Dr. Joop F. Van De Vate  
Former Director ECN, Petten, The Netherlands. Former UN Delegate IPCC
- prof. dr. ir. Jan Verheij  
Retired Scientist Applied Physics at TNO Delft, Emeritus Professor of Noise Control Engineering at Eindhoven University of Technology
- Hans Verschuur  
MSc, Geosciences, specialized in Mining
- Ing. Henk Verveer  
Civil Engineering HTS Rotterdam, lifetime experience in maritime infrastructure and building services
- Jannes Verwer  
Former Director ECN and Former Chairman Supervisory Board State Owned Radio Active Waste Storage Facilities
- Koen Vogel  
Geologist and Geostatistician, lifetime experience in numerical modelling, proficient in evaluating and developing global energy projects
- Henk Van Der Vorst  
Emeritus Professor of Numerical Mathematics, University of Utrecht
- Rob De Vos  
Geographer and Editor of "Klimaatgek"
- Bart Vos  
Msc Petroleum Engineering, Lifetime of Experience in the Geo-energy Industry
- Henk De Vries  
lifetime experience in organised crime, expert in digital forensics
- Jaap Van Der Vuurst De Vries  
Emeritus Professor of Petroleum Engineering, Former Dean Faculty of Applied Earth Sciences, Delft University of Technology
- Dr. Jules De Waart  
PhD Physical Geography, Exploration Geologist in Africa, Past member of the Dutch Parliament, author of the book on Climate Change and Energy Transition "Don't believe everything"
- Karel Wakkert†  
Emeritus Professor of Astrodynamics & Geodynamics, Delft University of Technology
- Dr. André Wakker  
energy expert, lifetime experience in nuclear energy, speaker and writer on energy transition
- Robert N. Walter  
MSc E.E., member Advisory Board 'De Groene Rekenkamer'
- Cyril Wentzel  
Multi-Physics Engineer and Chairman of Environmental Think Tank 'Groene Rekenkamer'
- Frans A. Van Der Werf  
Owner int. business and IT consulting and AI-firm & project leader St. Milieu & Mens in higher appeal case Milieudéfensie - Shell as independent party
- Bert Weteringe  
Author, independent research journalist on energy transition and wind energy.
- Dr. Dolf Van Wijk  
Retired, formerly AkzoNobel Environmental Research Laboratory and Former Executive Director Cefic-Euro Chlor, Brussels
- Prof.dr.ir. Hessel Wijkstra  
Part-time Full Professor in Signal Processing Systems
- Jaap Wijsman  
Mechanical Engineer, active in the offshore industry
- Jan Winkel  
MSc, Chemical Engineering, specialization in Natural Gas Projects, Lifetime Experience in the Geo-Energy Industry
- Theo Te Winkel  
Geo Scientist and International Health Care Specialist
- Wim Witteman  
Professor of Applied Physics and CO2 lasers, University of Twente
- Dr. Hans Wolkers  
PhD in Animal Physiology and Environment, Over 20 years of research experience, incl. Arctic ecotoxicology, Science journalist and university lecturer in 'Writing about Science'
- Theo Wolters  
Chairman Environment, Science & Policy Foundation; researcher and speaker on climate and energy
- Govert Zijderveld  
MSc Mining Engineering, Consultant for all Drilling, Mining and Naval Engineering activities

## Netherlands continued

- Dr. E.J. (ed) Zuiderwijk  
Retired Astrophysicist and Data Manager
- Diederik Zwager  
MSc Petroleum Engineering, CEO Air Drilling Associates



## 27 SIGNATORIES FROM NEW ZEALAND

### 1 WCD Ambassador

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

### 26 Signatories

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



## 43 SIGNATORIES FROM NORWAY

### 1 WCD Ambassadors

- Jan Erik Solheim  
Professor Emeritus Astrophysics, University of Tromsø – The Arctic University of Norway, Fellow of Royal Astronomical Society ; Member of Lithuanian Academy of Sciences

### 42 Signatories

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

## Norway continued

- Knut Åm Retired Geoscientist, adjunct Professor of Geophysics at the University of Bergen, Norway, Honorary member of The Norwegian Academy of Technological Sciences
- Eva Marie Brekkestø Axelsen Retired teacher in languages and social studies. Climate history.
- 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
- Dr. Erik Bye PhD, Retired Senior Scientist in Physical Chemistry, Crystallography, Chemometrics and Occupational Hygiene
- Ole Henrik Ellestad Physical Chemist. Former Research Director and Professor in Petrochemistry at the Centre for Industrial Research and University of Oslo
- John Fuglerud MSc in Chemical Engineering, Norwegian University of Science and Technology, career in chemical, mining and IT industry
- Ivar Giaever† Nobel Laureate Professor, Nobel Prize Winner in Physics, Emeritus Professor of the Rensselaer Polytechnic Institute, Chief Technology Officer of Applied Biophysics Inc., Fellow of the American Physical Society
- Bjarne Gjerde PhD, fish reproduction/genetics, NOFIMA, Adjunct Associate Professor Norwegian University of Life Sciences
- Jon Gulbrandsen PhD, Marine Biology, Associate Professor NOFIMA and NOAA (USA)
- Arve Gleissner Gustavsen Msc, Cybernetics, Lifelong Experience in Design and Engineering
- Røgnvaldur Hannesson Professor Emeritus, Norwegian School of Economics
- Geir Hasnes Adjunct Associate Professor, Department of Engineering Cybernetics, Norwegian University of Science and Technology
- Ing Bernt Otto Hauglin Meng, Former Technical director in Rottfella, a Norwegian ski equipment company
- Martin Torvald Hovland PhD, Marine Geology, 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
- Dr. Ing. Hans Konrad Johnsen Dr.Eng, Petroleum technology, Research and Development
- Olav Martin Kvalheim Emeritus Professor, Chemistry, Bergen University
- Arnfinn Langeland Professor Emeritus Biology, Norwegian University of Science and Technology
- Professor Rune Berg-Edland Larsen Professor in economic geology, Norwegian University of Technology (NTNU), Specialising in Critical Raw Materials (CRM's)
- Mikael Lindgren MS Applied Physics and electronics, PhD Chemical Physics, Prof Applied Physics (Optics) and Biophysics (spectroscopy)
- Oddbjørn Melberg Engineer in several large international oil companies with solid experience in building and using numerical simulation models.
- Ph.D Jiri Muller PhD, Quantum Chemistry, retired research scientist
- Willy Nerdal Professor of Chemistry, University of Bergen
- Johannes Oraug Landscape Architect, Researcher for 11 years at the Norwegian Institute for Urban and Regional Research
- MSc Dag Hallvard Østtveit MSc in Mechanical engineering, Norges tekniske høgskole. Board member of the Norwegian Climate Realists
- Egil Pedersen Dr. Eng. and Professor of Technology at UiT The Arctic University of Norway
- Elen Roaldset Emeritus Professor in Geology, University of Oslo, Former Director of Natural History Museum Oslo, Professor at Norwegian University of Science and Technology
- Ulf Torgny Rock Master of Chemical Engineering, Retired

## Norway continued

- Gjertrud Røyland
- Håkon Gunnar Rueslåtten
- Tom V. Segalstad
- Einar Sletten
- MSc, MBA Knut Søråas
- PhD Arne S. Stabel
- Jørgen Stenersen†
- MSc Petter Tuvnes

Meteorologist with experience in operational forecasting (1997-2007) from the Norwegian Meteorological Institute.

Independent Geological Researcher Quaternary Geology, Trondheim  
Associate Professor Emeritus of Geochemistry, University of Oslo  
PhD, Professor in the Dept of Chemistry, University of Bergen  
MSc, MBA. Combustion Technology and Thermodynamics  
Emeritus University of Oslo  
Professor Emeritus Eco-Toxicology, University of Oslo  
MSc, Retired from process and petroleum industry



## 1 SIGNATORY FROM PARAGUAY

### 1 Signatory

- Albrecht Glatzle

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



## 2 SIGNATORIES FROM PHILIPPINES

### 2 Signatories

- Melanchthon Bernil
- Herman Bognot

Professional Chemical Engineer

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

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

#### Portugal continued

- Henrique Sousa Retired electrical engineer and teacher, wind energy expert and energy consultant
- João José Rodrigues Tilly Mechanical Engineer and Maths teacher



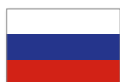
#### 4 SIGNATORIES FROM REPUBLIC OF KOREA

##### 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 economist at Daegu University
- Kihong Kim PhD, Professor of Urban Planning and Development
- Dong Yeop Lee 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
- Prof. Vladimir N. Bashkin Professor in Biogeochemistry, Principal Researcher of the Institute of Physicochemical and Biological problems of Soil Science of RAS, Moscow
- Pavel Bizyukov 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 offshore drilling, earth sciences and renewables
- Dr. Lars Schernikau 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



## 15 SIGNATORIES FROM SOUTH AFRICA

### 15 Signatories

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

Emeritus Professor Clean Coal Technology Research Group at the University of Witwatersrand, Director Fossil Fuel Foundation  
 Consulting agronomist; pesticide development and registration programs; rural agricultural development based on conservation tillage systems. 60 years experience.  
 BSc (Civil) Eng, Professional Engineer registered with Engineering Council of South Africa (ECSA), over 30 years of practice, inclusive of many storm water management designs  
 nuclear physicist, author of several books "Grün und Dumm", articles an videos on global warming and alternative energies for the general public  
 Economic Risk Consultant: Senior Economist and Managing Consultant, leading expert in energy and electricity  
 PhD, Nuclear Physicist, Chairman: Stratek Global (Pty) Ltd, Pretoria  
 Visiting Associate Professor at the University of the Witwatersrand, Energy and Environmental Consultant, Consulting Editor, Freelance Writer, Editor and Lecturer  
 Associate Professor, Department of Political Sciences, University of South Africa  
 Retired Professor of Nuclear Physics, University of the Witwaterstand. Involved since 1995.  
 Geologist, Invited Associate Professor, Universidade Fernando Pessoa, Porto, Portugal  
 Co- Author of two books : Climate Actually Vol1 Nothing to Fear, Climate Actually Vol 2 The Science Behind it  
 PhD from University of Exeter, retired Geologist, Geochemist, Analyst and Field Mapper at University of Pretoria, Founder of geological consulting and exploration companies  
 PhD in Natural Science  
 Retired Veterinarian  
 Retired physicist / nuclear engineer



## 28 SIGNATORIES FROM SPAIN

### 1 WCD Ambassador

- Blanca Parga Landa

PhD, Modelling Expert, specialist in Environmental Law

### 27 Signatories

- Prof. Dr. Julián Mora Aliseda
- Bernardo Armero
- Raquel Barquero
- Dr. Saúl Blanco
- Maria Teresa Estevan Bolea

Professor, Dept. of Geography and Spatial Planning, University of Extremadura (Spain).  
 Engineer and Project Leader within Clean Aviation  
 PhD, lifetime career as nuclear engineer and medical physicist in Valladolid University Clinical Hospital  
 Associate Professor of Ecology at the University of León  
 Engineering award 2019 Royal Spanish Academy of Engineering, World Award 2018 In Engineering WFEO, National Prize in Industrial Engineering 2019

## Spain continued

- Ferran Brunet  
Professor on the European Economy, Unniversitat 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
- MSc Enrique Ortega Gironés  
Formerly, teaching and researching in the Geotectonic Department (Oviedo University), mineral exploration in a mining company and later independent international consultant in mining sector. Since years ago, writer and divulgation on climatic changes issu
- Antonio Hoz  
BSc in 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
- Luis Pomar†  
Emeritus Professor of the University of the Balearic Islands, Sedimentologist specialized in the study of Carbonate Rocks which the Impact of CO2 and Paleoclimate
- Manuel Jesús Romero Rincón  
PhD Civil Engineering, Professor at Miguel Hernández University of Elche, Spain CEO at ETRES Consultores
- Juan Miguel Gómez Menor Robles  
PhD in Biology (Botany), High School Head of Department.
- Alejandro Rodríguez-Gómez  
Associate Professor, Universitat Politècnica de Catalunya, Barcelona, Spain
- Dr. Paleontology Antonio Sánchez  
Retired researcher at Institut Català de Paleontologia (Univ. Autònoma Barcelona).
- Geologist Antonio De La Torre  
Private companiesMarcel: geologist
- Javier Vinós  
PhD, Scientist and independent climate researcher
- Wynn Williamson  
co-founder and managing partner of real estate developer BWRE



## 49 SIGNATORIES FROM SWEDEN

### 1 WCD Ambassador

- Ingemar Nordin  
Emeritus Professor Philosophy of Science, Linköping University

### 48 Signatories

- Michael Andersson  
Bsc in biology, medical doctor, retired Chief Medical Officer at a battalion of the Swedish Airforce
- Leif Åsbrink  
PhD, Technology at KTH in Molecular Physics, Stockholm
- Sture Åström  
MSc, Technology, Professional in Climate Issues, Secretary of the Swedish Network Klimatsans
- Erik Axelkrans  
MSc in physics and physical oceanography, University of Gothenburg
- Rolf Bergman  
Emeritus Professor of Physical Chemistry, Uppsala University
- Dr. Lars Bern  
Member of The Royal Swedish Academy of Sciences, Retired CEO in Incentive AB
- Joakim Blomqvist  
Sr. Design Manager for design and energy solutions within a larger construction company
- Magnus Cederlöf  
Software Specialist, Stockholm

## Sweden continued

- Tore Dalvåg  
Msc, Physics, Research Engineer in Hydrodynamics and Thermodynamics, Senior Advisor in Environmental Standards, Author of 'CO2 a source of life or a threat'
- Hans Eklund  
PhD, Technology, Acting Professor at the Department of Laser-and Electro-optics, Chalmers University of Technology, Gothenburg
- Per-Olof Eriksson  
Physicist, Former CEO of Sandvik Group
- Dr. Anders Flodin  
PhD, Mechanical Engineering, NC, USA
- Mats Freding  
MSc Mechatronics Test team leader, environmental and software test.
- David D. Gee†  
Professor Emeritus Orogen Dynamics, Uppsala University
- Anders Grufman  
MSE, MA, Economics, Industrial and Environmental Economics
- Jan Hagberg  
PhD, Statistics, Stockholm
- Björn Hammarskjöld  
MD, PhD in Biochemistry, Assistant Professor in Pediatrics
- Lars Hässler  
PhD, Rock and Soil Mechanics, Bsc Chemistry and Biology, Msc Civil Engineering
- Eilif Hensvold  
PhD, Mathematics, Associate Professor of Mathematics (Retired), Simulation of Large-scale Industrial Systems, Uppsala University, Luleå Technical University
- Gunnar Holmgren  
PhD, Space Physics, Retired Head of Dept. of Engineering Sciences, Uppsala University
- Mats Janson  
MSc, Electrical Engineering, KTH Royal Institute of Technology, Stockholm
- Hans Jelbring  
Climate Researcher
- Göran Johansson  
specialist in Energy Systems
- Claes Johnson  
Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
- Gunnar Juliusson  
Professor of Hematology, Lund University, Senior Consultant, Skåne, University Hospital, Lund
- Sten Kaijser  
Emeritus Professor of Mathematics, Uppsala University
- Johnny Kronvall  
Emeritus Professor in Building Physics, Malmö University and Lund University
- Lars E. Linder  
Associate Professor of Medicine, Gothenburg
- Jan Lindström  
Senior Medical Physicist, PhD, Former Head of Department of Medical Physics Karolinska, Worked and published in Environmental Science (Harwell UK). Long climate interest.
- MSc Håkan Lothigius  
MSc
- Rune Lundgren  
MSc, Helsinki University of Technology, Energy System Expert
- Toomas Mathiesen  
MD, Retired
- Johan Montelius  
Associate Professor of Computer Science at the Royal Institute of Technology, Stockholm
- Jacob Nordangård  
PhD, Technology and Social Change at the University of Linköping, Researcher on Climate Change History
- Gabriel Oxenstierna  
PhD, retired, currently author for Klimatupplysningen.se
- Gösta Pettersson  
Emeritus Professor in Biochemistry, University of Lund
- Marian Radetzki†  
Emeritus Professor of Economics, Luleå University of Technology
- Mats Rosengren  
Mathematics, Space Flight Trajectory Specialist
- Torsten Sandström  
Professor Emeritus, Department of Law, University of Lund
- Rabbe Sjöberg  
PhD, Geology, Member of Paleogeophysics & Geodynamics Institute
- Peter Stilbs  
Emeritus Professor of Physical Chemistry, Royal Institute of Technology (KTH), Stockholm
- Jan-Olov Strömberg  
Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
- Lars H. Thylen  
Professor emeritus in photonics, Dept. of Applied Physics, Royal Institute of Technology, SE-106 91 Stockholm, Sweden
- Tege Tornvall  
Automotive and transport editor and expert. On election committee of association Klimatrealisterna, regular contributor to blog Klimatupplysningen and network Klimatsans
- Gösta Walin†  
Professor Emeritus in Oceanography at University of Gothenburg
- Elsa Widding  
Consultant, Author on Climate Change, Stockholm
- Lech Wosinski  
Researcher Emeritus, Associate Professor, Royal Institute of Technology, Stockholm

## Sweden continued

- Orjan Wränge PhD, Emeritus Professor in molecular Genetics Karolinska Institutet, Stockholm, Sweden



## 27 SIGNATORIES FROM SWITZERLAND

### 27 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
- Dr. Bernd Fleischmann Scientist, entrepreneur, climate researcher
- 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 reserach on climate change
- Dr. Johannis Nöggerath 40 years experience in Nuclear Power Engineering, Passionate amateur researcher in realistic climate science for more than 10 years
- Joseph Ongena Member of the Permanent Monitoring Panel for World Energy, World Federation of Scientists, Geneva
- Jacques Perret-Gentil Professor of Phisicsfor 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
- Dr. med. Schäffer Renate retired
- Claude Roessiger Entrepreneur and Author of several Books on Organizational Management and Public Policy, Organiser and Chairman of the Portsmouth Conference 2018 on Climate Policies
- Beat Dominic Roth Owner Filmcompany
- Heinz Schmid Dipl. Ing. Agr ETH, more than 10 years inolement in climate science and climate communication
- Dr. Ralf Lorenz Schmitt PhD in Chemistry, Product Manager
- Thomas Stadler MSc in Physics, ETH Zürich, Geophysics, Specialty in Geothermics
- Ivan Surace PhD in Geology, Geol Surace I.R.
- Prof. Dr. Eric P. Verrecchia Professor at the University of Lausanne, Chair of Biogeochemistry at the Institute of Earth Surface Dynamics, expert in terrestrial carbon cycle of the tropical and temperate zones
- Dr. Eric Vieira (retired), Ph.D (organic chemistry), 27 years at Roche Pharmaceuticals (Principal Scientist)



## 1 SIGNATORIES FROM THAILAND

### 1 Signatories

- Annet Aarts Biologist



## 3 SIGNATORIES FROM TURKEY

### 3 Signatories

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

- Andrew Cullen Ph.D Geography



## 173 SIGNATORIES FROM UK

### 1 WCD Ambassador

- Christopher The Viscount Monckton Of Brenchley Peer of the Realm and Author of several reviewed papers on Climate

### 172 Signatories

- Tom Agbabi PhD, Professional engineer in the energy industry
- Colin Address BSc Physics, MSc Astrophysics, MA (Oxon) Classics & Philosophy, Barrister, Fellow of the Royal Astronomical Society  
Geophysicist, Private start-up Oil E&P Company
- Neils C. Arveschoug PhD Geology, Petroleum Geologist
- Nigel Banks Biological Chemist
- Andrew P. Barker Mechanical Engineer
- Nik Bartley professional graduate Podiatrist, Post Grad. in Sports Science, Post Grad. in Science Education
- Nigel Beckwith BSc, Mechanical Engineering, MBA, 40 years with a global Industrial Gases, Chemicals and Energy company
- Alan Belk BSc Oceanography and Geology, WMO Qualified Meteorological Forecaster
- Simon Bevan Mathematics and Statistics, former Climate Data Analyst at the Meteorological Office
- Roshan Bhunnoo Former Research Geoscientist and Climate Researcher
- Paul Binns BSc Applied Chemistry, Chair of East College Group & CME Futures Trader
- David Blake Geologist/Geophysicist, Fellow of the Geological Society of London
- Dr. Richard Booth retired Special Merit mathematician in the UK Civil Service
- D.Q. Bowen† Emeritus Professor of Earth and Ocean Sciences, Fellow International Union for Quaternary Research, Cardiff University
- Dr Phillip A. W. Bratby Physicist, Member of the Institute of Nuclear Engineers, retired energy consultant
- Michael Brown Expert in Large Scale Thermal Fluid Dynamic Models
- Paul Burgess BSc, MSc, C. Eng (retired) Hydro Climate Specialist
- Derrick Byford BSc (Hons) holder of 10 patents, previously Deputy Director Research & Statistics Inner London Education Authority
- Gerry Byron BSc in Physics, MBA which included modules on statistical analysis
- Peter Cale Solicitor, co founder and fund raiser for wave energy research project as Director of Staithe Energy Products (1988 1995)
- George Carey BSc Hons. Physics and Geology, Lifetime Physics teacher and amateur astronomer
- Brian R. Catt Electrical Engineer, Retired, publishing papers on Energy and Climate Change
- Richard Ceen BSc Physical Oceanography with Physics, entrepreneur / engineer in Marine LNG Safety and Weather forecast dependent Optimising Voyage Control Systems
- Arthur Champion retired European Environmental Coordinator and CofE Diocesan Environmental Adviser
- Konrad Chapman Energy & Environmental Consultant,
- John Church Earth Science Professional, Retired from Energy Sector
- David Coe MA(Oxon) in Physics, lifetime working on gaseous absorption spectroscopy, Lead author of "The Impact of CO<sub>2</sub>, H<sub>2</sub>O and Other Greenhouse Gases on Equilibrium Earth Temperatures"
- Professor John C.W. Cope Hon Research Associate, University of Bristol
- Dr. Douglas Cormack BSc in Chemistry, Maths, Physics and Microbiology, PhD in Physical Chemistry, Chief at Scientific Civil Service, Founder of the website "The campaign against belief consensus"
- Richard Courtney Retired Material Scientist, Expert Peer Reviewer of the IPCC
- Chas Cowie GDE Mining Engineering, Wits University, Retired IT Professional worked primarily in Mining and Logistics Industries

## UK continued

- David Crabtree  
retired assistant professor biology
- Dr. David Critchley  
Senior Clinical Pharmacologist, mathematical modelling of complex systems
- Michael Cross  
Chemical Engineer
- Peter Cunningham  
Expert in Mathematical Modelling of Complex Physical Phenomena
- Robert Davies  
BSc Airline pilot
- Dr Philip George Davies  
Principal Lecturer in the Department of Computing and Informatics at Bournemouth University
- Isabel Davies  
Geophysicist and Entrepreneur
- Jeremy Dawson  
retired Chartered Engineer with a career in the oil and gas industries
- Dr. Keith P. Dawson  
Environmental and Agricultural Researcher
- John Dewey  
Emeritus Professor of Geology at the University College Oxford, Distinguished Emeritus Professor University of California,
- Howard Dewhurst  
FGS, Geologist, Initiator Open Letter to the Geological Society of London
- James Dillon  
BSc Physics, DPhil Nuclear Physics, Former research physicist
- Gregor Dixon  
FGS, Geologist, Former Member Geological Society of London
- Peter M.J. Dorey  
BSc Physics, MInstP, MIET, Senior Project Manager/Physicist (Ret'd) 45 years experience in Engineering.
- Tilak Doshi  
Economist, CO2 Coalition member, ex-Forbes contributor, frequent op-ed contributor (Daily Sceptic, RealClearEnergy, South China Morning Post, etc.)
- Timothy (tim) C. Duckworth  
Retired Mechanical Engineer in the Oil & Gas industry, Senior Auditor in Management/Facility/HSE
- Dr. Michael Earle  
international earth scientist, energy professional, author
- Dr. John S. Easterby  
Retired Senior Lecturer in Biochemistry University of Liverpool, Research area: Protein chemistry, Enzymology, Metabolic Modelling
- Roderick Paul Eaton  
MBA FIET MCMI, Retired Consultant Energy Industry Analyst/Management Consultant
- Debra Eddy  
Entrepreneur and Guest Lecturer in Business Management
- Dr. Andrew Edmonds  
data scientist with a strong background in AI, past CTO of a publicly traded US tech company, currently CEO of a private US company, ThinkBase LLC
- Peter 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
- Sean Galbally  
Project Manager Water and Wastewater Systems
- Gil Gilchrist  
Geophysicist
- Alan Gill  
Retired Engineer in South Wales
- Peter Gill  
Physicist, Ex Chair Institute of Physics Energy Group, Ex London Branch Chair & Fellow of EI
- Paul R. Goddard  
retired Professor of Radiology, University of the West of England
- John D. Goss-Custard  
PhD Ecology, University of Aberdeen, Visiting Professor in the Department of Life and Environmental Sciences, Bournemouth University
- Alastair Gray  
retired geologist, 50 years in oil exploration, production and asset evaluation
- Delphine Gray-Fisk  
Former airline pilot, and parliamentary candidate for both the UK Independence Party and Brexit Party
- Robin Monotti Graziadei  
Architect and former postgraduate lecturer in Architecture at London Metropolitan University
- Mick Greenway  
Research and Development of Flight Control Systems for Modern Civil and Military Aircraft, Retired Head of Research and Development within a Multi-Million-Dollar Company
- David P. Gregg  
retired Unilever Research group leader and scientist, Author of studies of historical climate time series based on modern spectral analysis techniques

## UK continued

- Brian Gregory MA. in Natural Sciences, MSc. in Business Studies, Lifetime Career in the UK Chemical Industry, currently Policy Director of the Alliance of British Drivers
- Jimmy Haigh Independent Geological Consultant
- Stephen Hardcastle Retired Electronics Engineer, 10 years experience in the design of NDIR gas detectors, for gases including CFC's CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O
- David Hardy Business Owner, Director and Experienced Chemical Engineer. 20+ years in Energy technology development including removal of pollution from conventional fossil fuel power sources
- Tim Harper PhD (Engineering, rock mechanics), CEng., Geomechanics Consultant and Researcher, Recipient of the Royal Academy of Engineering MacRobert Award
- John Harrison Former Chartered Physicist and Chartered Engineer
- Ken Harrison Retired Chartered Physicist
- Peter Harvey Project Manager – Renewable offshore wind industry
- Raymond Hayes BA (Lond) M.Litt (Oxon) FRGS Solicitor Hong Kong and England and Wales
- MA, MSc Kes Heffer Director, Reservoir Dynamics Ltd.
- Alex Henney Formerly London Electricity Board, Consultant on Electricity Matters
- Roger Higgs DPhil (Oxon), Independent Geological Consultant, Geoclastica Ltd.
- Tatiane Melchior Stefanello Hodson BSc Oceanographer, MSc International Public Policy, author of “How to Recognize Totalitarians”.
- Dr. Sinclair Holland MBChB(Edin) Medical Doctor
- Paul Homewood Climate & Energy Policy Analyst
- Keith H. James PhD, Consultant Geologist
- James Barry Jamieson Retired Aeronautical Engineer, Co-author IPCC report 1999
- Anthony Janio PhD in Physics, Independent Elected Councillor in Brighton and Hove
- David A.L. Jenkins Geologist, Director Hurricane Energy plc
- Dr. Chris Jesshope Emeritus Professor University of Amsterdam, Director Techne Consulting Ltd.
- David Jessop C.Eng., M.I.C.E., lifetime career in the water industry
- Robert Jones BSc and PhD Mining Engineering, Director at Warwick Energy
- Stephen Latimer Jones BA Chemistry, IT professional
- Zana Juppenlatz BSc Hons, 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 CO<sub>2</sub> and Environmental Specialist
- Roger Longstaff Experimental Space Physicist and Company Director
- Anthony Lowe BSc Hons Polymer Chemistry and Physics, Consultant Polymer Solutions
- Peter Justin Lunt MSc Geology London, adjunct lecturer in geology (stratigraphy) at Universiti Teknologi Petronas and Shandong University of Science and Technology (SDUST) Qiangdao
- Tom Mackay BSc, Geologist, Fellow of the Geological Society (FGS) of London
- 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

## UK continued

- Prof. David Marshall Emeritus Professor, Dept. of Computer Science & Informatics, Cardiff University
- Stephen Martin retired exploration geophysicist
- Chris Matchette-Downes Geologist and Geochemist, particularly involved in studies about past climates including glaciation
- William James Mcauley M.Sc. from Imperial College and an M.B.A. from Lehigh University, retired Chemical Engineer with a 40+ year international career in energy, industrial gas and chemical industries
- Dr. Niall Mccrae PhD in Mental Health
- Angela Mckay retd Mechanical Engineer in Turbine Generator Industry. Retd Head of Physics St Mary's 6th Form College, Lancashire
- Dr. Euan Mearns retired, freelance consultant, researcher, blogger and author
- Krov Menuhin Expert on ocean life, underwater filmmaker, professional diver, pilot and writer, explored the Earth's extremities, experiencing the oceans and the atmosphere first-hand
- prof. Anton Van Der Merwe MD, PhD, Professor in Molecular Immunology
- Geoffrey Middleton Chartered Architect, Social Science
- Terence Mordaunt Accomplished businessman, Self taught climate scientist mentored by Professor David Bellamy
- Dr. William Morgan Retired Clinician
- Dr. Ian Mortimore BSc, PhD, MB, BS, FRCP, retired Consultant Respiratory Physician in the NHS with research affiliations to Edinburgh and Newcastle Universities
- Philip Mulholland Geoscientist, Life time experience in the Geo-Energy Industry, co-author of the DAET climate model
- Stuart Munro Exploration Geologist and Geophysicist
- Edward Nealon Geologist, Member of the Australian Institute of Mining & Metallurgy
- Alex Nichols BSc Geography, MSc Environmental Assessment, 30 years in sustainability consultancy, programmes and projects
- 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
- 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)
- Bernard Pinsonnault Retired.
- 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

## UK continued

- 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
- Dr. Ian Smith  
MSc Maritime Archaeology, PhD Chemistry
- Mr Tim Smith  
Director of Motvind UK helping communities oppose unwelcome wind farm developments through planning representations and legal action
- 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
- Professor David Wastell  
Emeritus Professor of Information Systems at the University of Nottingham
- Paul White  
B.Sc. Physics, Durham University, Retired, Former Higher Scientific Officer Marine Climatology
- Philip Linden Wilkes  
Life time Experience in Marine Biology
- Jay Willis  
Marine Scientist, Associate of the OxNav Group of Oxford University.
- Matt Wood  
BSc in Metallurgy & Materials Science, Retired Airline Pilot, Patent holder
- Alison Wright  
BSc MSc. Systems Engineer, Energy Policy, Sustainable Development policy.
- Valentina Zharkova  
Professor of Mathematics and Astrophysics, Northumbria University, Newcastle upon Tyne
- Ivor Zoefitg  
International communications coach specialised in chaodynamics and NLP LP



## 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



## 461 SIGNATORIES FROM UNITED STATES

### 2 WCD Ambassadors

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

### 459 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
- Michael Anderson  
BS Chemical Engineering, PhD Information Science, writes about contemporary American politics, including global warming
- Lincoln Anderson  
Macroeconomist and Econometric Model Development
- Michael Antonetti  
P.G., Professional geologist for 35+ years in Pennsylvania with Ms in glacial geomorphology
- Anthony J. Armini  
Retired Founder and CEO Implant Sciences Corp.
- Bob Armstrong  
MS, mathematical psychophysics
- Nicholas Ashcraft  
Materials Science and Engineering, Wright State University. Lifetime career in the oil and gas industry
- Dr. Malgorzata Askanas  
Senior R&D Associate at the Aurora Biophysics Research Institute
- Hans-Peter Bähr  
Emeritus Professor of Pharmacology, Canada and Former Dean of Basic Medical Sciences, American University of Barbados, Barbados
- George Baker  
Emeritus Professor, Applied Science, James Madison University
- 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
- 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.

## United States continued

- 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
- Dr. David L. Black Clinical and Forensic Toxicologist (Microbiology, Immunology, Pathology, Pharmacology), Vanderbilt University Nashville, adjunct of Department of Medicine Board of Visitors
- Jared L. Black Numerical Analysis Consultant, ScD
- 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
- Joel M.G. Brown retired petroleum engineer
- Dr. Larry Frank Brown PhD in Range Plant Ecology (Ecophysiology) from Colorado State University (1974), President of L.F. Brown & Assoc. Inc.
- 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

## United States continued

- Sharon R. Camp  
• Nick Capaldi  
  
• John M. Cape  
  
• John Carr  
• Marion G. Ceruti  
  
• Dr. Francis Cheng  
  
• Mitchell R. Childress  
  
• Prof. Krishnan Chittur  
  
• Terigi Ciccone  
  
• Prof. Claudio Cioffi-Revilla  
  
• Roy Clark  
• Bob Cohen  
  
• Jonathan Cohler  
  
• Dr. Richard Collingham  
  
• David Collum  
  
• Sabin W. Colton  
• Michael Combs  
  
• Gary Cooke  
  
• George Copeland  
  
• Martin Cornell  
• David T. Cramer  
• Daniel Clyde Cummings  
  
• John Curtin  
  
• Steven Palmieri, Ph.D., D.O.  
  
• Joseph S. D'aleo  
  
• Raphael D'alonzo  
  
• Stephen Dartt  
  
• George Davey  
• Donn Dears†  
  
• Ken Degraaf  
  
• James Demeo  
• David Deming
- PhD, Retired Analytical Chemist and Environmental Scientist  
PhD, Author Books on Logic, the Scientific Method and the Philosophy of Science  
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  
Electronic Engineer, specialised in antenna and satellite installations  
PhD Chemistry, Retired Research Scientist, Space and Naval Warfare Systems Center Pacific  
Professor of Chemistry with specialties in carbon materials, batteries and energy conversion, University of Idaho  
Archaeologist and Cultural Resource Environmental Compliance Specialist, Commonwealth Heritage Group  
emeritus-professor in chemical engineering and biotech, Univ of Alabama Huntsville, cofounder of medical diagnostics startup (genecapture)  
Engineer, author of "A Hitchhiker's Journey Through Climate Change," and a proud former Sierra Club member  
PhD, DSc Pol, Distinguished University Professor Emeritus at George Mason University  
Climate Researcher, Retired Engineer, California  
Certified Consulting Meteorologist (CCM), MS in physical oceanography from Texas A&M University and a BS in meteorology from Penn State University  
Harvard-trained physicist, climate and AI researcher, software developer  
PhD in Engineering, Professor for 16 years teaching Graduate Level Heat Transfer and Fluid flow courses  
PhD in Chemistry, Professor of Chemistry (organic/organometallic chemistry)  
PhD, Biochemist and Marine Biologist  
Major, US Air Force, Retired; Retired Lockheed Missiles and Space Company Environmental Protection Auditor  
MSc. Geophysical Sciences, Laboratory analyst and manager, studied sea level curves since the 1980s  
PhD, Electrical Engineering, Computer Architect, Software Architect, Physicist, retired  
Retired Senior Scientist, Dow Chemical Company  
MS, Instructor of Sociology and Psychology, Pratt Community College  
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  
Msc in Economics, lifetime experience in strategic planning and forecasting  
MSc & PhD in Chemistry, Doctor of Osteopathic Medicine, Former Chemist & Virologist, Medical Doctor - Retired  
Professor of Meteorology and Climatology at Lyndon Stage College, Founder of Icecap.us, First Director of meteorology of the Weather Channel  
Analytical Chemist, Retired Associate Director, the Proctor & Gamble Company  
Retired from 19 years of Chemical Engineering and from 24 years of Teaching Mathematics, Physics, Chemistry & Applied Statistics.  
Physicist, University of Iowa  
GE Company Engineer, and Senior Executive, Retired, Author of 'Net-zero Carbon, The Climate Policy Destroying America'  
MSc Engineering Mechanics, Structural Dynamics, Colorado House of Representatives, USAF pilot, Instructor: USAFA AP Calc; weather for pilots, Environmental Manager, Michigan ANG  
PhD, Retired Expert in Earth and Atmospheric Science, Oregon  
Professor of Arts & Sciences, University of Oklahoma

## United States continued

- 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 Acquisiti, Venture Capital and a Paint Compa
- Guy Ellison Second generation oil and gas explorationist
- Prof. James E. Enstrom PhD, MPH, FFACE, Retired UCLA Research Professor in Epidemiology, President of the Scientific Integrity Institute, Los Angeles
- Kenneth Epperson Nuclear Engineer
- Richard G. Eramian BA in mathematics and physics
- Willis Eschenbach Generalist and Author of many (peer-reviewed) critical Climate Articles with numerous Citations
- Vincent Esposito Adjunct Professor University of Pittsburg, PA, Doctor of Science in Nuclear Engineering (Un. Fo Virginia), Retired Manager from Westinghouse Electric Company
- MS Gordon Evans Environmental consultant (23 yrs), Retired Environmental Program Manager, The Texas A&M University System (24 yrs); currently Senior Fellow with the Cornwall Alliance for the Stewardship of Creation
- Dr Douglas K Fairbent Retired Physicist trained in Condensed Matter Theory, PhD (Physics), University of Michigan, 1978
- Dennis Falgout BS chemistry, MSE air pollution measurement, PhD Photochemistry, Consulting environmental engineer
- Peter Farrell Fellow of the US National Academy of Engineering
- Ralph English Fisler professional aerospace engineer
- Edward Patrick Flaherty American lawyer based in Geneva, litigating against the UN, WMO, WIPO and other IOs on behalf of staff members, whistleblowers and injured third parties
- Rex Fleming Research Scientist, Author of Book on Carbon Dioxide Fallacy, Retired President Global Aerospace
- Jim Folcik Geosciences Manager Extraction Oil & Gas
- William Foley BS and MS in Geology, University of Kentucky, 30 plus years in the energy industry, including experience in uncertainty and probability analysis.
- James Forensky B.S.E.E. , M.D. Retired Engineer and Physician
- John Fortier Vice President of Geology/Geophysics
- Michelle Michot Foss PhD, fellow in energy, minerals and materials at Rice University's Baker Institute

## United States continued

- Dr. Geoffrey Q. Fox  
Geoffrey Q. Fox, Retired Neuroscientist, PhD in Anatomy and Physiology from the University of California, Berkeley
- Patrick Frank  
PhD, SLAC National Accelerator Laboratory, Stanford University
- Dr. Neil Frank  
Lifetime of Experience in Research and Forecasting in Tropical Meteorology, Former Director National Hurricane Center
- Gary Freeman  
PhD, Water Resources, President, River Research & Design, Inc
- Robert S. (steve) Friberg  
Trend Resources LLC, Resources Exploration Geologist with +55 years of experience in the geological sciences field
- Gordon J. Fulks  
Astrophysicist, Board of Directors CO2 Coalition, Co-founder Global Warming Realists
- Lynn Warren Funk  
accelerator physicist, climate realist
- Terry Gannon  
Physicist, Retired Semiconductor Executive
- Dr. Philip Garrou  
PhD Chemistry 1974 Indiana Univ. Retired Director of Technology at Dow Chemical's electronics division. Serves DARPA and the DoD as a microelectronics subject matter expert (SME)
- Louis Genevie  
PhD, Epidemiologist, www.LitStrat.com
- Nicholas De Gennaro  
PhD, PE, Coastal Engineer, Southport North Carolina
- Prof. Lee C. Gerhard  
PhD. in Geology, Retired Getty Professor of Geological Engineering from the Colorado School of Mines and Retired Director and State Geologist of the Kansas Geological Survey
- Ulrich H. Gerlach  
Professor of Mathematics, Ohio State University
- Thomas A. Gilliam  
PhD, Professor of Accounting, Retired
- Alan Glabe  
PhD Organic Chemistry, University of California, Retired
- Dr. William Glassco  
PhD in Medicinal Chemistry, former researcher, currently Instructor
- Curtis Fred Goddard  
Retired Geologist
- Dr. Indur M. Goklany  
Science policy advisor in the US Dept of Interior, Co-developed the work plan for the IPCC's 1st, 2nd, 4th Assm. Reports, Expert Reviewer for several IPCC reports
- Dr. J.D. Gold  
lifetime experience in Clinical Psychology; worked in the frontlines of the war against the madness of terrifying people
- Leo Goldstein  
MSc in Mathematics, lifetime experience in computer software, computer networks and cyber security. He is also a successful author and start-up founder
- Timothy W. Gordon  
Retired USAF/USN Veteran, Independent Researcher
- Derek Gordon  
CEO HTS Engineering
- Steve Goreham  
Executive Director, Climate Science Coalition of America
- Laurence I. Gould  
Professor of Physics, University of Hartford, Past Chair, New England Section of the American Physical Society
- Ronald Graham  
Retired Scientist in Physics, Chemistry and Complex Modeling
- Jim Granato  
Dean of the Hobby School of Public Affairs, University of Houston, lifetime career in research methodology
- William Griffin  
Staff Oceanographer US Naval Forces Korea
- Charles F. Gritzner  
PhD, Professor Emeritus of Geography, author of the book "Changing Climates" (2010)
- Mike Gruntman  
Professor of Astronautics 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

## United States continued

- Brett T. Harding Materials Scientist in Sustainable Technology, over 20 granted patents in nanoceramics, OLED, photocatalyst, optical devices, and related materials
- Steven Harford PhD chemistry and lifetime career in renewable energy and aerospace research
- Richard Harris PhD, atmospheric physics and chemistry as applied to radiation transport modeling, laser propagation, high power microwave propagation
- Ilana Harrus PhD Physics, MS In Information Systems, Former Senior Research Scientist Senior Research Scientist NASA Goddard Space Flight Center
- Korbi Hart Marketing Director Inland Crude Purchasing
- Peter J. Hatgelakas Masters in Petroleum Engineering, petroleum geologist, geophysicist, and petroleum engineer at Hatgelakas Consulting
- Bryan Haycock PhD, Adjunct Faculty at a University in the state of Utah
- Howard C. Hayden Emeritus Professor of Physics, University of Connecticut
- David Heald Retired Electrical Engineer
- Donald R. Healy BS, Degree in Forest Management from Oregon State University, Participated in Anthony Watts' first Surface Station Project
- Dennis E. Hedke CEO-Hedke Geoscience Consulting, LLC, presented the 2018 testimony on Seal Level Rise before the Committee on Environmental Protection of the New York City Council
- Tony Heller Geologist, electrical engineer, climate communicator at [realclimatescience.com](http://realclimatescience.com)
- Edward G. Helmig Environmental Engineering Professional in the field of Industrial Water Treatment and Environmental Protection
- Oliver Hemmers Retired Executive Director of the Harry Reid Center at the University of Nevada, Las Vegas
- James D. Henry Consulting Geologist, BS Geology, U Texas Austin, 1970, founder of Old Aulacogen, L.P. in 1991
- Glenn C. Hillam Big Data Architect/Scientist
- Gary L. Hoe PE, Retired Colonel USAF, Technical Director of several Nuclear Weapon Effects Tests at the Nevada Test Site, Member Scientists for Accurate Radiation Information (SARI)
- Harald Hoegberg Independent Geologist
- Aaron Hogue PhD, Associate Professor, Department of Biological Sciences, Salisbury University
- Jim Hollingworth Social Scientist, Book: 'Climate Change: A Convenient Truth'
- Dr. Gary M. Hoover Geophysicist, Lifetime Experience in the Geo-Energy Industry, Retired Member Board of Directors Geo-Service Company
- Christopher Paul Horger lifetime experience in optical network design
- Jerry C Hornbuckle Retired Rocket Scientist
- Walter Horsting Energy Expert, CEO of Global Village Utilities, Large Technology Projects Developer for 4th generation Thorium applications.
- Captain Thomas C. Houghton USNR (Rtd), Qualified Nuclear Engineering Officer; Sr. Director, Reactor Programs, Nuclear Energy Institute
- J. Stephen Huebner PhD, Retired Research Geologist, U.S. Geological Survey
- Edward Huff PhD, Retired NASA Senior Scientist
- John Hunt MD, pediatrician, former tenured Associate Professor of Pediatrics, medical missionary, patent holder, and writer about contamination of science by politics
- S. Fuller Hunt Biology Teacher at Preparatory High School of Mathematics, Science, Technology and Careers, Calabash, North Carolina
- Richard W Hurst PhD, Emeritus Professor of Forensic Environmental Geochemistry and Planetary Sciences, California State University, Los Angeles
- Clare Livingston (bud) Bromley Iii BS Natural Sciences, scientific instruments
- Gamaliel Isaac PhD, Retired senior software engineer of the Department of Radiology of the Hospital of the University of Pennsylvania
- Anthony Robledo Iv MSc, Environmental Scientist, United States Environmental Protection Agency
- William Ivers PhD Scripps Oceanography, ocean current computer modeler, software designer, entrepreneur, economist, artificial intelligence innovator

## United States continued

- Jim Janota  
Developing and improving petroleum based Chemicals, Plastics and applications
- James Jaskie  
Career in renewable energy, over 50 patents in solar cells and other solid-state devices.
- Byron Jenkinson  
PhD, consulting soil scientist , patent holder of Indicator of Reduction in Soils, (IRIS tubes)
- Laurence N. Johnson  
Lt Col, USAF (Ret), MS in meteorology, MSE in aerospace engineering
- Randy Johnson  
Retired VP of Engineering and Geoscience Technology at two Fortune 500 independent oil companies
- Stephen Albert Johnston  
BS Molecular Biology, Phd Genetics, Phd Plant Breeding/Genetics, Postdoc Biochemistry, CEO, CSO Inventor
- John Joyce  
Climate Narrative Challenger
- Frank Yates Jr  
Past President of Yates Petroleum Corporation
- Guy K. Mitchell Jr.  
graduate mechanical engineer and physicist with extensive research in the field of anthropogenic global warming
- John Droz Jr.  
Physicist, Founder of AWED Alliance
- Robert L. Bradley Jr.  
CEO and Founder of the Institute for Energy Research
- Dr. Neil J. Mccarthy Jr.  
Financial Consultant at N J Mc Carthy & Assoc, PhD in Organic Chemistry Cornell University
- Walter Kailey  
BA Physics with Honors, PhD Astronomy, Physicist, Inventor and high performance Computing Specialist
- Thomas Karr  
Principal Director of Critical Technology for the Undersecretary of Defense for Research and Engineering(ret.), and MITRE Chief Scientist for Sensing and Directed Energy.
- James Kelly  
PhD Physics, data science executive
- Kerry Kelly  
Geology degree, Energy and Environment Professional
- Kathryn E. Kelly  
President Delta Toxicology
- Michael L. Kelly  
US Navy, BS, Tool Design Engineer (retired)
- Hugh Kendrick  
PhD, Retired Director Plans and Analysis, Office of Nuclear Reactor Research, US Dept. of Energy, Fellow American Physical Society
- Robert Kernodle  
independent researcher in public health issues.
- Kevin T. Kilty  
Adjunct Prof. Mechanical Engineering at University of Wyoming
- Fred Kinsley  
Retired Geologist (MSc)
- Kevin Kirchman  
Editor of the Climate Science Journal, more than a decade in renewable energy engineering
- Floyd Lee Knapp  
BSc Portland State University, 300 level Geography and Climatology
- Stephen C. Knowles  
Marine Scientist and Geologist, Beacon, New York
- Kenneth D. Kok  
retired Nuclear Engineer, ASME Fellow, Past Chair of the ASME Nuclear Engineering Division and the ASME Energy Committee
- Mark Konya  
P.E., B.S. Ed. Mathematics, B.S. Physics, M.S. Nuclear Engineering, M.A. Physics
- Alex Kozinski  
Retired Judge on the US Court of Appeals
- Wayne P. Kraus  
Member American Institute of Chemical Engineers (AIChE)
- Ernest Laflure  
Geoscientist and Energy executive for 45 years. Key interests in paleoclimate, climate change and energy policy. Currently a member scientist in the CO2 Coalition.
- Kirk Laird  
retired Oceanographer and Meteorologist (US Navy), Geologist with US Bureau of Land Management
- Richard Lambert  
Retired Program Director for the Physical Oceanography Program at NSF: Tropical Ocean/Global Atmosphere (TOGA), and World Ocean Circulation Experiment (WOCE).
- Richard Lang  
MSc Geophysics
- Prof. Donald Langmuir  
PhD, Emeritus Professor of Geochemistry, Depts. of Chemistry, Geochemistry, and Environmental Sciences, Colorado School of Mines. Consultant and President of Hydrochem Systems Corp
- Dirk Van Leenen  
Doctorate in Horticulture, Author of 5 books latest title: The Nonsense of Global Warming and Climate Change
- 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

## United States continued

- 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](http://allaboutenergy.net)
- James M. Leverentz  
Instructor UCI, Manager, California
- Ulf Lindqwister  
PhD theoretical particle physics, Princeton University, Business executive with 30+ years of industry experience
- Harry Lins  
PhD, U.S. Geological Survey (Retired), Past-President, Commission for Hydrology, World Meteorological Organization
- Ramon Lopez  
PhD, Distinguished Professor of Physics, expert in space physics and space weather modeling,
- Robert M. St. Louis  
MSc in geology, owner of Mine Water Consulting LLC
- Howard R. Lowe  
Prof. Eng., Geologist
- Ronald J. Lukas  
BS-Physics, PhD-Biophysics; Founder and CEO, Molecular Matters AZ
- Anthony Lupo  
PhD Atmospheric Science, Professor of Atmospheric Science, University of Missouri
- Dean Lusby  
IT professional, business owner, Pennsylvania
- James Macneal  
15 United States patents, founding and Managing Partner at Pangaea Gases, LLC
- Frank Madarasz  
Ph.D. (Ret) Condensed Matter Theoretical Physics
- Michael Maguire  
Meteorologist/Scientist/Trader at MarketForum
- Jeffrey Mahn  
Retired Nuclear Engineer Sandia National Laboratories (New Mexico), Member Scientists for Accurate Radiation Information (SARI), Member Nuclear Society (ANS)
- Matt Malkan  
PhD, Distinguished Professor of Physics and Astronomy, UCLA
- Michael Maller  
Professor Emeritus of Mathematics, Queens College, CUNY
- John Maney  
Doctorate in Analytical Chemistry, career in environmental sampling, analysis and data quality
- Wally Manheimer  
Retired from the US Naval Research Lab and life fellow of APS and IEEE, Author of “Mass Delusions, how they harm sustainable energy, climate policy, fusion and fusion breeding”
- Prof. Paul Manner  
MD FRCS, Joint Replacement/Hip and Knee Arthritis, Department of Orthopaedics and Sports Medicine, University of Washington
- James A. Marsh  
Emeritus Professor of Immunology, Cornell University, Dept. of Microbiology and Immunology
- David Martinovich  
General Science Teacher, grades K-12, United States, China, and Belize
- Chris Martz  
Meteorologist and policy analyst for the Committee for a Constructive Tomorrow (CFACT), SIGNATORY 2000 OF THE DECLARATION
- David Matthews  
BS Meteorology and Oceanography, MS PhD Atmospheric Sciences, Manager, River Systems and Meteorology Group, Bureau of Reclamation, US Department of the Interior (Retired)
- John Mauert†  
PhD in Atomic and Molecular Physics, 20 years experience as a physicist, currently business owner in statistical analysis and software
- David Mauriello  
Geologist, researcher and public speaker against the corruption in science, government and the media
- Kirk Maxey  
BS Organic Chemistry, MD, President and Founder of Cayman Chemical Inc
- Donald May  
BS, PhD Chemistry, Research Fellow. (Retired)
- Andy May  
Writer and Retired Petrophysicist
- Gene Mccall  
Consultant to the Defense Science Board, Former consultant to the Department of Energy on Issues related to Inertial Fusion
- William Mccann  
PhD Seismology, lifetime career in Earthquake Hazard modeling and analysis
- Craig Mccluskey  
PhD, Physics
- Richard Mcfarland  
Retired NASA Physicist
- Sean Mcgrew  
Analytical Chemist, lifetime career in Chromatography/Mass Spectrometry, applications to semi-volatile organic compounds in the environment
- Edward P. McMahon  
PhD, career in remote sensing from spacecraft, and super computing analyses of physical phenomena
- Dr. Michael Meichle  
PhD in Physics, Research Imaging Scientist

## United States continued

- Mark Meier PhD, Professor of Physics, University of Houston
- Samuel H. Melfi Emeritus Professor of Physics, UMBC, Retired NASA Scientist
- Kenneth Melvin MD, Retired Professor of Medicine, Portland, Oregon
- Dr. Daniel M. Merfeld BSME U Wisconsin-Madison, MSE Princeton, PhD MIT, neuroscientist/ neuroengineer, former Professor at the Harvard Medical School, Professor at the Ohio State University
- Dr. Peter B. Merkle Associate Professor in environmental science and engineering at the School of Engineering at Benedictine College
- Rodney Michael COL, US Army Medical Corps, Retired
- Patrick J. Michaelst† Competitive Enterprise Institute, Washington DC
- Miodrag Micic PhD Chemistry, Professor of Engineering Design Technology at Cerritos College in Norwalk, California and Life Sciences Marketing Executive
- Edward Mickelson Ph.D., Technology Transfer Professional, Oil & Gas Industry
- Christopher Miller PE, CEM, CBCP, Registered Professional Engineer for the Power and Energy Industry
- Steven Milloy MHS, JD, LLM, Publisher
- Ference M. Miskolczi Retired NASA/AS&M Senior Scientist, Foreign Associate Member of the Hungarian Academy of Sciences
- Michael J Mitchell Mechanical Engineer
- Josh Mitteldorf PhD, theoretical astrophysics, Independent scientist in computer modeling, Visiting scholar at MIT's Department of Earth, Atmospheric, and Planetary Sciences
- Matthias Mixon BBA Degree, University of Mississippi
- Michael Monce PhD in Physics, Emeritus Professor of Physics, Astronomy, and Geophysics, Connecticut College
- Brian Moody Former GET Specialist for SMS Equipment in Ft McMurray
- David Moore PhD Physical Chemistry, Los Alamos Laboratory Fellow, lifetime career in molecular spectroscopy of materials at extreme conditions as well as trace detection of illicit materials
- James Moore Commercial Fisherman, President Alaska Trawlers Association, Executive Committee Northern Southeast Regional Aquaculture Association, Board member Armstrong Keta Inc.
- James R. Morris Geophysical Exploration Oil & Natural Gas
- Thomas L. Moser Retired NASA Senior Executive, Program Manager of the Space Station and Space Shuttle, Founder of the "Right Climate Stuff", a group of former NASA Engineers & Scientists
- Steven Mosher first American social scientist to conduct field research in China, exposed human rights abuses in China's one-child policy.
- David R. Motes Chemical Engineer, lifelong experience in the geo-energy industry
- Steve Mroczkiewicz PhD in entomology, Crop Protection Field Research Scientist, student of climate change and climate policy
- James F. Mundy Retired Meteorologist
- Daniel W. Nebert Emeritus Professor of Gene-Environment Science, University of Cincinnati College of Medicine and Cincinnati Children's Hospital, Ohio
- Prof. Eric L. Nelson PhD, Assistant Clinical Professor, Department of Public Health Sciences, University of California
- Gregg Neuendorf Retired Chemical Engineer, Cleveland
- Danny L. Newton Retired from Federal Aviation Administration (FAA), Experience in Working with NOAA with respect to Experimental Weather Data Collection
- Richard Nicholson MD University Of South Alabama 1988, Family Medicine
- 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

## United States continued

- Charles Pappis  
retired Semiconductor Industry Executive
- Trueman D. Parish  
Retired Director of Engineering Research Eastman Chemical Company
- Arvid Pasto  
PhD in Ceramics, Retired from the Oak Ridge National Laboratory, TN
- Chad M. Paton  
PhD, Associate Professor at University of Georgia
- George Pazos  
Surgeon
- Bill Pekny  
MSc Physics, Retired Atmospheric Physicist, former U.S. Navy Meteorologist and Hurricane Hunter, Author of the book: A Tale of Two Climates—One Real, One Imaginary
- Pawel Penczek  
PhD in Physics, Retired Profesor of Biochemistry and Molecular Biology
- Charles W. Pennington  
Senior Vice President of Engineering NAC International (Retired), Secretary, XLNT Foundation, Board of Directors
- Morgan Perry  
MS, MBA, Founder and CEO of Stratus Aero, LLC an aviation technology company focusing on aerial directed energy for human betterment, patents in aerial directed energy.
- Jeffrey S. Philbin  
Retired Nuclear Engineer Sandia National Laboratories, Independent Consultant in Nuclear Facility Design and Safety Analysis, Nuclear Criticality Safety and Weapon Response
- Richard Phillips  
Retired Thoracic Surgeon, Active Public Health Advocate
- Dr. Robert B. Phillips  
retired from radio astrophysics, specialised in calibration and validation of orbital IR and visible sensors (GOESS, STSS-1 and -2)
- Nina Pierpont  
MD, PhD. Ecology and medicine. Author, Wind Turbine Syndrome: A Report on a Natural Experiment.
- James Richard Poirier  
BS degree in Meteorology, Lifetime Career in Atmospheric Science
- James M. Policelli  
Registered Professional Engineer
- Herman A. Pope  
Retired Aerospace Engineer NASA-JSC
- Willem Post  
Independent Researcher regarding Energy and Environment
- Darrell Potter  
Retired Geologist/Environmental Hydrogeologist
- Dr. William H. Pound  
PhD Major in Industrial Engineering with Minor in Materials Science
- Dr. Victor Privalsky  
PhD in math, PhD in physics, lifetime career in applications of theory of random processes for analysis and extrapolation of scalar and multivariate time series
- Kenneth L. Purdy  
Management Consultant, Retired Naval Officer in Operational Intelligence
- Dr. Marisol Quintanilla  
PhD, Assistant Professor of Nematology, Michigan State University
- Jilong Rao  
PhD in Geochemistry from Yale University... A retiree in Virginia.
- Michael Rath  
BS in Forest Management, Michael Rath, 55 years in Forest Management
- Brian D. Ray  
PhD in science education from Oregon State University, Salem
- Wayne Raymond  
teacher of physical science at high schools in Malaysia, Liberia, and various high schools in California, most prominently at Davis Senior High School.
- Dr. George Rebane  
Scientist with degrees from UCLA in Physics (BS) and Engineering (MSE and PhD), lectured at UCLA and California State University as an Adjunct Professor
- Edward A. Reid  
lifetime experience in the US energy industry in technical research and development, market development, marketing and consulting
- Fred A. Reitman  
professional career as a petroleum and petrochemical toxicologist.
- Forrest J. Remick  
Commissioner (Retired), US Nuclear Regulatory Commission
- Dan Reynolds  
PhD in Organic Chemistry, Retired
- Dr. Douglas Rigby  
Ph.D. in Geomechanics, B.S. in Hydrology, expertise in modeling complex phenomena under uncertainty
- David K. Rogers  
PE, CEG MS, Geological Engineering, Member of the Boards of Consultants for the Federal Energy Regulatory Commission
- Dr. Jennifer Runquist  
PhD from Northwestern Unv, Evanston IL related to photosynthesis
- Marius Russo  
IT expert
- James H. Rust  
Emeritus Professor of Nuclear Engineering, Georgia Institute of Technology
- Ralph Sacrison  
MSc, lifetime career in earth sciences and engineering
- Rick Sanders  
MA, Scientists for Accuracy in Radiation Information (SARI), Associate Editor, 21st Century Science and Technology Magazine

## United States continued

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

## United States continued

- 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
- Brad 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.
- 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
- Edward Thompson PhD, DIC, Mechanical Engineering , retired
- Daniel Thorp Engineer in the defense/commercial industry/aerospace for over 35 years. Worked on gas turbine engines, hypersonic engines, Black programs, Army network systems, 787 commercial aircraft, Satellites, defense aircraft, and supply chain. I was a manager for
- 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 Trzupsek 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

## United States continued

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