THERE IS NO CLIMATE Declaration THERE IS NO CLIMATE SERVICE SE

1960 SIGNATORIES



GLOBAL CLIMATE INTELLIGENCE GROUP

WWW.CLINTEL.ORG

World Climate Declaration

THERE IS NO CLIMATE EMERGENCY



WWW.CLINTEL.ORG

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_2 is beneficial.

CO₂ is plant food, the basis of all life on Earth

 CO_2 is not a pollutant. It is essential to all life on Earth. More CO_2 is favorable for nature, greening our planet. Additional CO_2 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 CO₂-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_2 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 NOBEL LAUREATE PROFESSOR IVAR GIAEVER NORWAY/USA PROFESSOR GUUS BERKHOUT / THE NETHERLANDS DR. CORNELIS LE PAIR / THE NETHERLANDS PROFESSOR REYNALD DU BERGER / FRENCH SPEAKING CANADA BARRY BRILL / NEW ZEALAND VIV FORBES / AUSTRALIA DR. PATRICK MOORE / ENGLISH SPEAKING CANADA JENS MORTON HANSEN / DENMARK PROFESSOR LÁSZIÓ SZARKA / HUNGARY PROFESSOR SEOK SOON PARK / SOUTH KOREA PROFESSOR JAN-ERIK SOLHEIM / NORWAY PROFESSOR STAVROS ALEXANDRIS / 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



TOTAL SIGNATORIES 1960



5 SIGNATORIES FROM ARGENTINA

5 Signatories

Dr. Cristián Antiba
 Research professor at national universities and educational institutes

Aldo Brandani Coastal Specialist and Environmental Scientist

Rosa Compagnucci
 PhD in Meteorological Sciences, Climate Researcher, Full-time

Professor at the University of Buenos Aires and Principal Researcher

at CONICET

Sergio Heguilén
 MSc, Director of Ecoativo Environmental Consulting, specialized in

regenerative agriculture and livestock and energy revaluation of

wastes



180 SIGNATORIES FROM AUSTRALIA

2 WCD Ambassadors

Viv Forbes Geologist with Special Interest in Climate, Founder of www.carbon-

sense.com, Queensland, Australia

• Ian Plimer Professor Earth Sciences, The University of Melbourne

178 Signatories

D.Weston Allen
 Physician and Medical Director of Kingscliff Health, New South Wales,

Author of a number of Climate-related papers

Don Andersen
 Retired Teacher, Programmer

• David Archibald Research Scientist

Rick Armstrong retired metallurgist and strategic planner

Michael Asten Retired Professor in Geophysics and Continuing Senior Research

Fellow at the Monash University, Melbourne

József Balla retired teacher and manager of a small business
 Stuart Ballantyne PhD, Senior Ship Designer, Sea Transport Corp.

• Dr. Priyanka Bandara PhD, former academic medical researcher operating as a freelance

researcher in environmental health since 2012.

• Jim Bannister industry researcher for many years but recently a high school

educator.

Jeremy Barlow Energy and Mining professional, Director and CEO

• Dr. Colin M. Barton Geologist, Retired Civil Engineer with Experience in Project Control,

Research and Professional Training, Honorary Fellow RMIT University,

Australia

Gordon Batt Director GCB Investments Pty Ltd.

Maxwell Charles S. Beck lifetime of international experience in law, retired Magistrate and

Coroner on the bench

Robert M. Bell
 Retired Geologist, Victoria

Karen Benn PhD, Biologist and Environmental Scientist, Educator and University

Lecturer in Sciences, Biology, Environmental Sciences, Water Quality

and Water Resource Management

Richard Blayden Professional Engineer

Colin Boyce Engineer, Member of Parliament, Queensland State Parliament,

Engineer, Farmer and Entrepreneur

Howard Thomas Brady
 Member Explorers Club of New York, Member of the Australian

Academy of Forensic Sciences

Geoff Brown
 Organizer of a Critical Climate Group

Andrew Browne Exploration Geoscientist, Fellow AusIMM (CP), 50 Years Global

Experience

• Frank Brus holds a B. Comm from UNSW, spent most of his working life with the

Electricity Commission of NSW

Ernest Buchan
 Chartered Engineer MIET, Kardinya, W. Australia

Alan Douglas Buerger Fellow Australasian Institute of Mining and Metallurgy, Member of

Australian Institute of Comapany Directors

Mike Bugler Retired Environmental Consultant

Paul Buncle Medical Practitioner

• Tony Burns PhD in Chemical Engineering

Paul Callander
 Retired Geologist BSc Melbourne, Extensive experience in energy

economics

Charles Camenzuli Structural Engineer specializing in Remedial Work, Catcam Group,

Sydney

• Ray Carman Organic Chemist, Honorary Fellow University of Queensland

• Dr. Larry Cashion PhD in Psychology, Consultant Psychologist, Special interest in

cognition and language of climate science

• Peter Champness 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

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
 Robin George
 David Gibson
 Retired Neurophysiologist
 Geologist, Canterbury
 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	Leading Researcher on forecasting Methods and Applications,
	University of South Australia, author of "Validity of Climate Change forecasting for public policy decision making"
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"
Maureen Hanisch	PhD Biochemistry, Medical Research 1997, Australian National University, Retired
• Erl Happ	Managing Director at Happs
• John Happs	Geoscientist, Retired University Lecturer
Peter J.F. Harris	Retired Engineer (Electronic), now Climate Researcher
Paul Leonard Harrison	Geophysicist with an M.Sc in Geology and Geophysics, over 45 years experience in research and exploration for the geo-energy industry
Jarvis Hayman	Retired Surgeon, Recently retired Archaeologist and Visiting Fellow at the Australian National University
 Mark Henschke 	Retired Geologist in Mining, Oil and Gas
Frederick Stewart Hespe	Consulting Civil and Forensic Engineer, Critic of Government Policy on Climate Related Matters
Gerhard Hofmann	Geologist and Palaeontologist, Former Director of the Geological Survey of Queensland
Robert Ian Holmes	PhD in Climate Science/Mitigation, University Lecturer (retired) and Climate Scientist
• Selwyn Hopley	MSSSI, Retired Land and Engineering Surveyor
 Antonia Howarth-Wass 	Mathematician, Author on Local Climate Articles
Geraint Hughes	Climate Researcher, Mechanical Building Engineer, Climate Researcher
Douglas Hutchison	BSc and MSc degrees in geology, consulting geologist in the mining industry, member of the Australian Institute of Geoscientists
David Hyde	MEnvSt, Environmental Biology, Former Scientific Chairman of Australian Underwater Federation (NSW)
Paul Ingram	Qualified Geologist, Member of the Australian Institute of Mining and Metallurgy, studying Palaeoanthropology and Human Evolution
Mr. Anthony Jackson	Bachelor of Arts degree, Bachelor of Laws degree, retired
• Ian Johnson	Bachelor of Engineering, consultant
Mike Jonas	IT consultant, retired, frequent contributor to Watts Up With That?
Prof. Aynsley Kellow	Professor emeritus of Government, College of Arts, Law and Education, University of Tasmania
Alison Kelsey	PhD, Palaeoclimatogist and Archaeologist, University of Queensland
Kevin Kemmis	Climate Researcher, Expert in Information Technology
Neil Killion	Occupational Psychologist, author and Chairman and Co-Founder of Climate and Energy Realists Queensland
Bill Kininmonth	BSc (UWA), MSc (CSU) M. Admin. (Monash), Former Superintendent of the Bureau of Meteorology National Climate Center
David Knox	IT professional, bachelors in business (Uni of South Australia) and a Masters degree in business administration (Charles Sturt University)
Rosemarie Kryger	PhD, Biochemistry, Retired, University of Queensland, Brisbane
Hugh H. Laird	Retired Tropical Agriculture Executive
John Leahey	retired Geologist and Finance Director, with career long interest in the natural resources sector,
• John Leisten	OBE, Expert in Physical Chemistry

· Gerard McGann

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

Technical Director Eon NRG

• Jim McGregor-Dawson Geologist and informed scientist on the subject of Climate Science

Rodney McKellar
 Retired Geologist, Queensland

• John McLean Author of First Major Review of HadCRUT 4 Climate Temperature

Data, Member of New Zealand Climate Science Coalition

Toby McLeay
 General Medical Practitioner AM, MBBS, FRACGP, FACRRM

Ross McLeod Retired Environmental Health Officer

Peter R. Meadows Agricultural Scientist
 Paul Messenger PhD, Earth Science

• John Michelmore Retired Industrial Chemist

Des Moore
 Former Deputy Secretary of the Federal Treasury, Founder and Leader

of the Institute for Private Enterprise

• Alan Moran Contributor and Editor of the Mark Steyn Compilation: "Climate

Change, the Facts", Author of Climate Change: "Treaties and Policies in

the Trump Era"

Hugh M. Morgan
 Prominent Australian Mining Executive, Fellow of the Australian

Academy of Technology, Science and Engineering (FTSE)

Peter Murphy
 PhD, Adjunct Professor, Social Sciences, La Trobe University

(Melbourne) and the Cairns Institute, James Cook University

• John Edward Nethery BSc in Geology, DipEd in Geology, Physics, Chemistry, Biology,

Consultant Geologist

John Nicol
 PhD, Retired Senior Lecturer Physics and one time Dean of Science,

James Cook University, North Queensland

Paul John O'Keeffe
 MB, BS, FRCS, FRACS, Retired Surgeon

Clifford David Ollier DSc, Geologist, Emeritus Professor of Geology and Honorary Research

ellow

• 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

Alistair Pope
 PSc, CM, Sceptical Scientific Contrarian in the Climate Debate

• Robert Pyper Geologist and Director of Minnelex Pty Ltd.

• Tom Quirk Nuclear Physicist

Art Raiche
 PhD, Mathematical Geophysics, Retired CSIRO Chief Research Scientist

Geoff Rankin
 BVSc (Hons), MVSc, Veterinarian, retired, A long-time interest in

Meteorology, Climate, and Geology

Campbell Rankine Barrister and Solicitor

Peter Ridd
 Oceanographer and Geophysicist

Tim Riley
 Mining Geologist

• 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 from Managing Positions in different International

Telecommunications Firms, nowadays Convenor of 'The Climate

Realists of Five Dock', Sydney Australia."

Case Smit Physicist, Expert in Environmental Protection, Cofounder of the

Galileo Movement

Edward Smith Charted 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

Geoffrey Stocker
 Professor and Head of Department of Forestry, PNG University of

Technology, Director of PNG Forest Research Institute

• John Stone Former Head of the Australian Treasury and Executive Director of

both the IMF and the World Bank

• Dr. Nancy Enid Stone BSc (Hons), University of Western Australia (1950), PhD Cantab.

(1956), Retired Research Biochemist

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

Dr. Julian Vearncombe
 PhD, Geologist, Fellow Australian Institute of Geoscientists
 Terrence Vincent
 Security Engineer, Small Business Adviser AIST, ASIAL, SMBE

• John Vucko Bachelor of Electrical Engineering (Hons)

James Walter Medical Doctor
 John Warnock Astro Economist

Chris Warren
 Retired Engineer, Design and Construction of Dams and feasibility of

Coal Mines

Colleen J. Watts
 Retired Environmental Scientist with specialization in Aquatic

Chemistry and Environmental Consequences of Renewable Energy

Alan C. Watts
 Medical Practitioner specialized in Effects of Infrasound on Human

Health

Glyn Weatherall Energy Resources Advisor

Neil Wilkins
 Retired Geologist

Richard Willoughby retired electrical engineer with thirty years experience in the

Australian mining and mineral processing industry

Michael Wilson
 PhD, DSc, Emeritus Professor, former Executive Dean UWS, Former

Chief Research Scientists CSIRO, Low Emissions Transport Fuels

Leader

Lawrence A. Wilson Professional Chemical Engineer, Melbourne

• P.C. Wilson Former Journalist with the A.B.C. Queensland

· Philip Wood 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

 Michael Wort BSc Geology, MSc Mineral Process Design, PhD Mineral Technology,

Geologist interested in impact of high levels of atmospheric CO2 as

trigger for formation of limestone deposits



10 SIGNATORIES FROM AUSTRIA

10 Signatories

· Dr. Wolf Bertling PD in Medicine, and pharmacist and entrepreneur

• Dr. Ernst Hammel Career in Physics and Nanotechnology, patent holder and author in

multiple scientific publications

• Dr. Gerhard Kirchner Berg Ingenieur, Climate Realist • Dipl Ing, Dr rer techn Heribert Martinides European Space Agency, retired

· Rudolf Posch PhD, Retired Software Engineer of a Technical Multinational, Expert in

Nonlinearities and Feedbacks

• Dr. Eike Roth PhD in Physics, Lifetime career in Nuclear Energy

• Helmut M. Sauseng MSc Physical Chemistry, entrepreneur, activist in civil society · Hans Dirk Struve Dipl. Ing., Mechanical Engineer with large experience in business MD, PhD, Associate Professor at Medical University of Vienna, • Dr. Joseph Laszlo Szekeres

President of Vienna Medical Association

· Konrad Falko Wutscher 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



38 SIGNATORIES FROM BELGIUM

2 WCD Ambassadors

• Henri A. Masson Professor Emeritus Dynamic System Analysis and Data Mining,

University of Antwerp, French speaking Belgium

· Ferdinand Meeus Retired Dr. Sc (Chemistry, Photopfysics, Photochemistry), IPCC expert

Reviewer AR6

36 Signatories

· Rudy Berkvens Information Security and Quality Management Auditor in ICT and

Aviation, Commercial Pilot, Flight Instructor

· Eric Blondeel Retired Civil Engineer

• Emiel van Broekhoven† Emeritus Professor of Economics, University of Antwerp

• 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

Biologist, Computer scientist, experienced business consultant and · Jan-Paul Buijs

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 Docteur en Biologie et Entrepreneur en Biotechnologie · Benjamin Damien

Belgium continued

· Drieu Godefridi

Ferdinand Engelbeen
 Former Chemical Process Automation Engineer, Akzo Nobel Chemicals
 Samuel Furfari
 Georges Geuskens
 Emertitus Professor of Chemistry, Free University of Brussels and Expert Publicist on Climate Science

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 Science Journalist Specializing in Climate and Energy Transition

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

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

Ernest Mund Honorary Research Scientist, Honorary Research Director, FNRS,

Nuclear Engineering

Bart Ooghe Geologist & Geophysicist, Independent Scientist

Luc Opdecamp "The agronomist-philosopher" (independent researcher), Agronmist

(Soil science)

• Jaak Peeters Psychologist and Writer

Eric Perpète Microcomputed Tomography Scientist, FNRS Senior Research

Associate in Chemical Physics

• Michel Pollyn MSc in Energy Science, Retrired engineer. Lifetime career in industrial

process water treatment and energy projects

Dr. Hugo Poppe
 Alain R. Préat
 Danie Roettger
 Emeritus hoogleraar, Weer- en Klimaatkunde, KU-Leuven, 1966-2002
 PhD in Geology, Emeritus Professor at Université Libre de Bruxelles
 MSc. Engineering, lifetime career in energy conversion system

development

Phil Salmon
 Paul Scheers
 Computer Tomography Scientist, Kontich
 MSc Engineer in Chemistry and Nuclear Physics

Rémy Sproelants
 Civil EngineerRetired CEO 'RESPRO Languages & Consultancy', Team

H2 SALK/ ThinkTank/Engineering

• Jozef Verhulst PhD, Chemistry, Author

• Jean van Vliet Retired Specialist in Space Weather

• Dr. Marc Wathelet PhD in Molecular Biology, Free University of Brussels

Appo van der Wiel Senior Development Engineer



1 SIGNATORY FROM BOLIVIA

1 Signatory

• Ambassador José Brechner

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



22 SIGNATORIES FROM BRAZIL

1 WCD Ambassador

Dr. Thiago Maia

Nuclear Physicist, PhD in Astrophysics

21 Signatories

• Jorge Luis Balino

 \mbox{PhD} in Nuclear Engineering, Career in R&D and Education in topics

related to Nuclear and Petroleum Engineering

• Dr. Peter Brian Bayley PhD, lifetime experience in Aquatic Ecology and Fisheries, retired from

Dep. Fisheries & Wildlife, Oregon State University

• Jose Nestor Cardoso Professor on first oceanography course in Latin America, Pioneer on

Brazilian expedition to Antartic, First scientific diver for Brazil from

CMAS

Brazil continued	
Mario de Carvalho Fontes Neto	Agronomist, Editor of 'The Great Global Warming Swindle'
• José Bueno Conti	Geographer and Professor of Climatology, Full Professor of the Geography Department at the University of Sao Paulo (USP)
• Dr. Johnson Delibero Angelo	Master and Ph.D. in Material Science, Industrial Chemist, Emeritus Collaborating Professor of Postgraduate Studies in Mechanical Engineering at UFABC
Prof. Dr. Ricardo Augusto Felicio	BSc Meteorology - USP, MSc Antarctic Meteorology and Satellites - INPE, PhD in Climatology - Physical Geography - USP
Richard Jakubazsko	Executive Editor of Agro DBO Magazine and Co-Author of the Book 'CO2, Warming and Climate Change: Are you kidding us?'
Dr. George Lentz Cesar Fruehauf	BSc. Doctor of Sciences – USP, MSc. Meteorology – SJSU, expert in environmental engineering
Agnaldo Martins	professor and researcher at the Department of Oceanography and Ecology at the Federal University of Espírito Santo
• Luiz Carlos Badicero Molion	Emeritus Professor of the Federal University of Alagoas (UFAL), Formerly of the National Institute of Space research (INPE)
• Prof. Marcos José de Oliveira	Environmental Engineer, Master in Climatology, Author of research articles about climate cycles and natural causes of climate change
• Fernando Paiva	PhD Animal Science, Full professor at the Federal University of Mato Grosso do Sul
• José Carlos Parente de Oliviera	Physicist, Professor at the Federal Institute of Education, Science and Technology of Cearà (IFCE), Retired Associate Professor of the Federal University of Cearà (UFC)
Paulo Pimenta	PhD in Aerospace Engineering, Professor for Solid and Structural Mechanics, University of São Paulo
Guilherme Polli Rodrigues	Geographer, Master in Climatology, Environmental Consultant
Adelino de Santi	BSc Biology and Ecology, MSc Applied Ecology, Biologist, works with environmental education, licensing, restoration, sustainability management and staff supervision
0 11 1 1 0 1 11	

· Geraldo Luis Saraiva Lino Geologist, Author of 'How a Natural Phenomenon Was Converted into a False Global Emergency • Marcello Silva Sader Graduated in Veterinary Medicine and Computer Sciences • Daniela de Souza Onca Professor of the Geography Department of the State University of

Santa Catarina (UDESC)

· Igor Vaz Maquieira Biologist, Specialist in Environmental Management



2 SIGNATORIES FROM BULGARIA

2 Signatories

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

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



148 SIGNATORIES FROM CANADA

2 WCD Ambassadors

· Reynald du Berger Retired Professor of Geophysics, Université du Québec a Chicoutimi, French Canada

· Patrick Moore Ecologist, Chair CO2 Coalition, Co-Founder Green Peace

146 Signatories

• Steven Ambler PhD, Full Professor University of Quebec, Dept. of Economics • John Andersen BSc, Honours, 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'

Canada continued

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

Alain Bonnier PhD, Physique, INRS-Centre de Recherche en Énergie, Montréal
 Andrew Bonvicini Professional Geophysicist, President of Friends of Science Society
 Dr. Don Bowen PhD population ecology, Emeritus Research Scientist, Bedford

Institute of Oceanography

• Jacques Brassard Minister of Recreation (1984), Minister of Environment (1994),

Minister of Transport and Intergovernmental Affairs of Canada (1996), Minister of Natural Resources and House Leader

• Kevin Burke MSc in Marine Biology, author/co-author of 2 technical report with the

Departement of Fisheries and Oceans and 2 scientific article published

in the Journal of Shellfish Research

Chris Carr
 BSc (Hons) Engineering Geology and Geotechnics, retired Geoscientist

Michel Chapdelaine
 MSc, Géologie, Montréal

• Michel Chossudovsky PhD of Economics, Professor of Economics, Emeritus, University of

Ottawa

Henry Clark
 Thermal/Power Engineer

• Ian Clark Professor of Earth and Environmental Sciences, University of Ottawa

Edmond (Ted) Clarke
 MSc, Engineering, Member of Friends on Science Society

Paulo N. Correa
 Biophysicist and Oncologist, Inventor, Author of numerous books and

research papers, Director of Research at Aurora Biophysics Research

Institute

Hortense Côté
 Ingénieur Géologue, Goldminds

Susan Crockford Zoologist and Polar Bear Expert, Former Adjunct Professor University

of Victoria

Norman Curry Technical College, Design Engineering-Mechanical Engineering,

President of National Zephyr Research

• Charles Danten former veterinarian, scientific translator, author, and free-lance

journalist.

• John Bruce Davies BSc Pysics and Mathematics, MSc Geoscience, PhD Geophysics and

Astrophysics, awards for research on cosmology and fundamental

physics.

Ronald Davison Professional Chemical Engineer

• Dr. E. David Day BSc, PhD, Chemistry

• A.E. Dixon PhD, Emeritus Professor of Physics, University of Waterloo

• Eric Ducharme MSc, Géologie, Abitibi

Michel Dumais
 Ingénieur Civil Retraité, Université d'Ottawa

• Dr. George Duncan PhD, Retired environmental consultant from A &A Environmental

Consultants Inc.

Claude Duplessis
 BcSc, Géologie, Ingénieur Géologue, Goldminds

Craig A. Elliott
 MSc Mechanical Engineering, Design Consultant, President at CAElliott

Inc

Ashton Embry Research Geologist, Embry Holdings

University of Western Ontario

David Fermor Anaesthesiologist, B.A., M.D., FRCPC
 Chris Fleming PhD, Senior Metallurgical Consultant

• Len Flint Ph.D, P.Eng. (Life Member). A 54 year career in oil and gas and

 $renewable\ energies.\ Advisor\ on\ GHG\ footprints\ for\ several\ companies$

in Canada. Follower of the broad science.

André Forgues
 Meteorologist/Aerologist

Jeffrey Foss†
 Professor of Philosophy of Science, University of Victoria; Former WCD

Ambassador

Joseph Fournier
 PhD, Expert in Physical Chemistry

Canada continued farmer and firm adherent of science realism-based decision making. • Anita Frayne • Paul M. Gagnon Professional Engineer · George Gale PhD Geology, Mineral Deposit Geoscience • Thomas P. Gallagher Earth Scientists, life-long career in the study of paleoclimate, geology and earth ocean systems, see https://www.youtube.com/watch?v=pj-Iu1i317E • J. Claude Gobeil BSc, Geology Engineer, life of time experience in the geo-energy industry · Douglas Goodman · Kenneth B. Gregory Professional Engineer, Director Friends of Science Society PhD in Environmental Science and Decision System, Regional Planner · Jean-Francois Guay and Associate Professor • 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 Professional Engineer registered with the Association of Professional

Engineers and Geoscientists of Alberta (APEGA)

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

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

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, past 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

Canada continued

• Joanne Marcotte Bachelor's Degree in Computer Engineering and Author of

"Inconvenient Doubts - Climate Change Apocalypse: Really?"

Michael Martinz
 Radio Podcast Host, Climate Realist, Activist, former Industrial

Consulting Forester

• J. David Mason Applied Geologist, BASc, Applied Geology, MEng., Mining

Stuart McDonald Retired Canadian Insurance Broker

• Dwight McIntosh degree in physics and geology at the University of Alberta, lifetime of

experience in the geo-energy industry, advisor on how to cope with

financial penalties for GHG emissions

Norman Miller Former P.Eng, now Retired

Ron Mills
 Geologist/geochemist Emeritus NS Geological Survey

Randall S. Morley veterinary epidemiologist, retired

Dr. Thomas F. Moslow
 PhD, P. Geol., President Moslow Geoscience Consulting Ltd., Adjunct

Professor Department of Geoscience, University of Calgary

• Roland Moutal Teacher Physics and Chemistry at Vancouver Community College

• Prof. Frank Mucciardi retired Professor in the Department of Mining and Materials

Engineering at McGill University Montreal, research focus on energy,

heat transfer, fluid mechanics and modeling

Eiichiro Ochiai Emeritus Professor, Juniata College (USA)

Christian Olivier former Postdoc @ UC Berkeley

Robert Orr Historical Linguist
 Scott Patterson Professional Geologist

Andy Pattullo Associate Professor of Medicine at the University of Calgary

• Steven Pearce PhD, Lecturer

Prof. David A. Penny
 PhD, Former Associate Professor, Dept. of Computer Science,

University of Toronto, currently CTO at BlueCat Networks

• Gregory Phillips Retired Agrifood Industry Professional, with research background in

biology, economics and policy formulation.

Jozinus Ploeg retired Vice-President, Engineering and Technology, National Research

Council, Canada. Field of expertise: Energy transfer from atmosphere

to surface of ocean, wave mechanics

Joe Postma Research Analyst, Physics & Astronomy, University of Calgary
 Brian R. Pratt Professor of Geological Sciences, University of Saskatchewan
 Michael Priaro BSc Chem. Eng, P.Eng, Member of Association of Professional

Engineers and Geoscientists of Alberta

Gerald Ratzer Professor Emeritus, Computer Science McGill University, Montreal
 John Angus Raw aerospace engineer, specialised in aerodynamics, life time career in

the international aerospace industry

Dr. Michael Raw
 PhD in Mechanical Engineering, specialization in computer modelling

of fluid flow and heat transfer, current field of work in technology

management

Robert James Reid BSF degree, Registered Professional Forester, lifetime experience in

the forestry industry

Norman Reilly Professor Emeritus of Mathematics, Simon Fraser University, British

Columbia

• Gérald Riverin PhD, Géologie, Géologue Retraité

John Robson Historian, Journalist, Documentary Filmmaker
 Peter Salonius 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 Shepheard
 MSc Geology, Retired oil and gas explorer

H.F. (Gus) Shurvell
 Emeritus Professor of Chemistry, Queen's University

Canada continued

Brian Slack Distinguished Professor Emeritus, Concordia University Montreal,

Department of Geography, Planning and Environment

Aize Smit MSc Climatology on Global Warming, retired high school science and

A.P. environmental science teacher

Nigel Southway
 Business and Manufacturing Engineering Consultant, Educator, and

Author

Rodolfo (Rudy) Spatzner graduated from Environmental/Civil Engineering Technology, Humber

College, Ontario, lifetime experience in wireless networks across

North America

• Robert Sproule PhD, Professor of Economics, Bishop's University, Quebec, Canada

Michelle Stirling
 Writer/Researcher with focus on 'consensus' social proofs, Top 10%

downloaded author on SSRN, Communications Manager, Friends of

Science Society

Mary Taitt
 PhD Zoology, MSc Ecology, retired

• Mario Thomas B.Sc., Ph.D. Chemistry, CEO and Chairman of Precision Biomonitoring

Inc.

Graydon Tranquilla BScEE, Electrical Power, Senior Electrical Engineer (retired), now an

energy advisory consultant

• V Ismet Ugursal Professor of Mechanical Engineering, Dalhousie University

Marc Vallée
 PhD, Geophysicien

Petr Vaníček
 Dr. Sc, Professor Emeritus of Geodesy, University of New Brunswick

• Duncan Veasey psychiatrist with a particular interest in mass hysteria,

authoritarianism and social compliance

• Prof. Dr. Ir. Frank C.J.M. van Veggel Full Professor at the University of Victoria, M.Eng and PhD in Chemical

Technology, University of Twente, The Netherlands, Since 2015 Fellow

of the Royal Society of Canada

• Jean-Joel Vonarburg PhD, Professeur Ingénieur, Université du Québec à Chicoutimi

Dr. Ronald Voss
 PhD Chemistry, lifetime career in the environment department of a

research consortium

Robert Wager
 BSc and MSc, Microbiological Sciences and Immunology, Biochemistry

and Molecular Biology, Retired

• Dr. Helen Warn PhD in Fluid Dynamics from McGill University

• Dr. Thorpe W. Watson material science, lifetime career in the mining industry with focus on

intellectual property protection

• Larry Weiers energy engineer, retired, author of "Sustainability of the Modern

Human Economy"

William van Wijngaarden Professor of Physics, York University
 Kenneth W. Wilson Professional Engineer (retired)

Daryl Youck
 MSc, PEng, Oil Sands Pioneer

• AL ZEEPER Physicist, Mathematically discovered the Unification of Gravity with

Electricity and Magnetism



4 SIGNATORIES FROM CHILE

1 WCD Ambassador

Douglas Pollock
 Civil Industrial Engineer, University of Chile

3 Signatories

• Juan Luis Edwards Velasco Civil engineer in hydraulics, Universidad Católica de Chile, Master in

hydraulic engineering, Universidad de Santander, Spain

• Rafael Muñoz Canessa Part time Academic University of Talca, Economics and strategic

management



4 SIGNATORIES FROM CHINA

4 Signatories

• Dr. Robert Hanson PhD, BA (Hons), MA, LL.M, PGCE, CPE, Barrister

Guang Bao Liu
 BSc and MSc in Atmospheric Physics, Author of "The Principle of

Periodic Changes in Earth's Climate"

China continued

Wyss Yim
 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

• NG Young Principal Geoscientist, Danxiashan Global Geopark of China



2 SIGNATORIES FROM COLOMBIA

2 Signatories

William Antonio Lozano Rivas full Professor of Water Management, Water Engineering, Climate and

Meteorology, Simulation and Modeling; Piloto de Colombia University

• Felipe Villegas 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/



16 SIGNATORIES FROM CZECH REPUBLIC

15 Signatories

Ladislav Bocak
 PhD, Professor of Entomology, Czech Advanced Technology and

Research Institute

Pavel Dudr
 Ing, Independent publicist and climatologist / Pravy prostor, EP

Shark/

Marek Eiderna Agricultural Engineer and graduated in General Biology

• Tomas Furst PhD, teacher of mathematics at Palacky University in Olomouc and a

proponent of correct, i.e. Bayesian inference

Vaclav Hubiner Retired Ambassador, Anthropologist, Climate Policy Commentator for

www.forum24.cz

Pavel Kalenda
 PhD, CSc., Coal Expert

• Václav Klaus Former President of the Czech Republic, Professor of Economics,

Founder of the Václav Klaus Institute

Peter Kopa
 Lawyer, Writer, Publisher, Founder of thinktanklatam.org

Tomáš Kvítek
 Professor, Faculty of Agriculture and Technology, Department of

Applied Ecology, University of South Bohemia in Ceské Budejovice

Lubos Motl
 PhD, former Harvard faculty, high energy theoretical physicist, co-

author of the 2009 NIPCC report

• Václav Procházka participates in paleoclimatic research of sediments in central Europe

and in the exogenous model of global tectonics showing that the Earth

crust cannot be ignored in climatic models.

Dr. Milan Salek
 PhD, Freelance Meteorologist and Consultant

• Ivan Spicka Professor of Internal Medicine at Charles University with speciality in

Hemato-Oncology, Prague

• Dalibor Štys professor of Applied physics, Faculty of Fisheries and Protection of

Waters, University of South Bohemia in ?eské Bud?jovice

Czech Republic continued

Gary M. Vasey
 PhD, Geology, Managing Partner and Analyst in Commodity

Technology Advisory llc

Ing. Miroslav Žáček
 PhD., aplied geochemistry, been working on the climate for more than

10 years as a geochemist



15 SIGNATORIES FROM DENMARK

1 WCD Ambassador

• Jens Morten Hansen PhD, Geology, Professor at Copenhagen University, Former Director

General for the Danish National Research Agency and National

Research Councils

14 Signatories

Bjarne Andresen Professor of Physics, Niels Bohr Institute, University of Copenhagen

Claus Beyer Geologist, gen.manager for CB-Magneto, possessing palaeomagnetic

laboratory

• Steffen Frederiksen MSc Economics, Climate Economics, Cost benefit analysis of CO2

• Dr. Hans Götzsche Emeritus Associate Professor, Linguistics and Philosophy of Science,

President Nordic Associaton of Linguists (NAL), Director, Center for

Linguistics, Aalborg University

Frank Hansen Emeritus Professor, Department of Mathematics, University of

Copenhagen

Niels Harrit PhD, Emeritus Associate Professor of Chemistry, Dept. Chemistry,

University of Copenhagen

Sören Kjärsgaard Professional Chemical Engineer

• Johannes Krüger Emeritus Professor, Dr. Scient, Department of Geosciences and Natural

Resource Management, University of Copenhagen

Knud Larsen PhD, Natural Sciences

Peter Locht Senior Lecturer, Business Academy Aarhus (statistics)

Peter Kjær Poulsen
 Metering Engineer

Steen Rasmussen
 Bsc in Electrical Engineering from Denmark Technical University,

lifetime career at IBM Denmark Aps

• Niels Schrøder Geophysist/Geologist, Associate Professor Institute of Nature and

Environment, Roskilde University

Pavel Svennerberg Master of engineering, Technology of oil and gas processing



1 SIGNATORY FROM ECUADOR

1 Signatory

• Fernando Villon MSc, Industrial Engineer, Lifetime Experience in the Geo-Energy

Industry



1 SIGNATORY FROM ESTONIA

1 Signatory

Andres Saukas Diploma Electrical Engineer, Estonian Society of Moritz Hermann

Jacobi



7 SIGNATORIES FROM FINLAND

7 Signatories

Merit Enckell
 PhD, MSc, former KTH, Royal Institute of Technology, freelance

researcher, specialist in Structural Health Monitoring, sustainable

development

Christer Kald
 Engineer with academic studies in Physics, Chemistry and

Mathematics

Simo Mykkanen
 Ba Econ, small business owner, retired

• Ari Okkonen MSc EE, Finland, Climate data analysis enthusiast

• Dr. Antero Ollila Emeritus Adj. Ass. Professor Aalto University, expert in atmospheric

modeling

• Simo Ruoho President Ilmastofoorumi ry Finland, Signature of association https://

ilmastofoorumi.fi including its scientists and professional members

• Boris Winterhalter



112 SIGNATORIES FROM FRANCE

1 WCD Ambassador

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

111 Signatories

• Jean-Charles Abbé Former Research Director at CNRS, Labs Director (Strasbourg, Nantes)

in Radiochemistry, Expert at NATO and IAEA

• Pascal Acot Centre National de la Recherche Scientific, Paris

Bertrand Alliot Environmentalist

Yacine Amara
 PhD of Applied Physics, Professor of Electrical Engineering

Frédéric Antoine graduated from Sciences Politiques in France
 Charles Aubourg Full Professor at the University of Pau, Geophysicist

Hervé Azoulay
 Engineer (CNAM), Specialist of Networks and Systemics, CEO and

President of several Associations

Guy Barbey Alumnus of Harvard Business School, Retired Investment Banker,

Founder and President of 'Climate et Vérité'

• Jean-Pierre Bardinet Ingénieur ENSEM, Publicist on Climate Issues

Yorik Baunay
 Geographer (Master 2) specialized in the natural risk and crisis

management, CEO of Ubyrisk Consultants (firm specialized on natural

hazard mitigation)

Bernard Beauzamy University Professor (Ret.), Chairman and CEO, Société de Calcul

Mathématique SA (Paris)

Serge Bellotto PhD, Geology

Guy Bensimon Retired Associate Professor of Economics at Institute of Political

Studies of Grenoble (SciencesPo Grenoble)

• Jean-Claude Bernier Emeritus Professor (University of Strasbourg), Former Director of the

Institute of Chemistry of the CNRS

Pierre Beslu
 Former Researcher and Head of Department in the French Nuclear

Energy Commission (CEA)

Michel Bouillet PhD, Human Geography, Emeritus Professor, Former Associate

Researcher at the MMSH (Aix-en-Provence)

Christian Buson
 PhD, Agronomy, Director of Research in a Company (impact studies in

Environmental Issues, Sewage Treatment)

• Jean-Louis Butré Head of Laboratory at Grenoble Nuclear Research Center, President

of the Fédération Environnement Durable and the European Platform

Against Windfarms

Emmanuel Camhi
 Msc in Physics, life time experience in Complex Systems Modeling and

Data Analysis in the Aerospace industry

Bernard Capai Retired Chemistry Engineer, Specialist of Industrial Processes avoiding

the use of Carcinogenic Solvents

• John Carr PhD in Physics, Directeur de Recherche CNRS (retired), Particle

Physics and Astroparticle Physics

Patrick de Casanove Doctor of Medicine, Chairman of the Cercle Frédéric Bastiat

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

France continued

Philippe Costa	Energy Engineer at ENSEM Nancy, specialist in Industrial Process and Energy Saving
Vincent Courtillot	Geophysicist, Member of the French Academy of Sciences, Former Director of the Institute de Physique du Globe de Paris
Pierre Darriulat	Professor of Physics, Member of the French Academy of Sciences
• Jean Davy	Engineer (ENSAM), Digital Modeling Software Developer
Dr. Stephen John Dearden	Retired Research Chemist, lifetime R&D experience in the general chemical, pharmaceutical and photographic industries
Pierre Delarboulas	CEO of a Robotics Company, Former R&D Director at Partnering Robotics, Silver Medal at the 2016 Lépine contest of the Ministry of Foreign Affairs and International Development
Jean-Pierre Desmoulins	Retired Professor of Thermal and Energy Engineering at the "Institut Universitaire de Technologie, Université-Grenobles-Alpes"
Gérard Douhet	PhD, Nuclear Physics, Retired Engineer at CERN, Technical Manager on Digital Transmission and Video Encoding
Hubert Dulieu	Emeritus Professor Applied Ecology, Formerly Senior Researcher in the CNRS, President of the National Scientific Research Committee, Vegetal Biology Section (XXVII)
• Dr. Denis Dupuy	Urologist, climate realist
Bruno Durieux	Economist, Former Minister of Health and of Foreign Trade, Ancient Administrator of the French National Institute of Statistics and Economic Studies (INSEE)
• Ralph Ellis	Bsc in Aviation, ATPL
Max Falque	International Consultant in Environmental Policy
Serge Ferry	PhD, Retired Teacher-Researcher (MCF), University of Lyon
Patrick Fischer	Associate Professor in Applied Mathematics, University of Bordeaux
Michel Frenkiel Francis la Cailland	Engineer (Arts et Métiers), Former Researcher with NCAR at Boulder
Francis le Gaillard	PhD, Natural Sciences and Pharmaceutical Sciences, Emeritus Professor of Biochemistry at the Faculty of Pharmaceutical Sciences of Toulouse
 François Gauchenot 	Governance Specialist, Founder of Saint George Institute
• Jean Gergelé	Engineer Graduate from the Ecole Centrale de Lyon, R&D Director, Freelance Consultant, mainly in the Li-ion battery development
Christian Gérondeau	Former Advisor of several French Prime Ministers, Formerly responsible for the Road Traffic Safety Policy for France and the European Union
• Francois Gervais	Emeritus Professor of Physics and Material Sciences, University of Tours
 Philippe Giraudin 	Ecole Polytechnique Paris, Geographic Sciences
Bernard Grandchamp	Agronomic Engineer and Environment & Plant Defense Expert, Managing Director of 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
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 Alan Kannada	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

France continued

Aeronautical Engineer, and CEO of a software publishing company • Jacques Laurentie Researcher at the CNRS, 16 patents • René Laversanne · 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 Grenobel) 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 geoenergy industry Applied Physicist, Senior Staff Member in the Experimental Physics • Paolo Martinengo Department, Detector Technologies Group, CERN Architect and CEO · Patrick Mellett • 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 Cofounder 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 Retired Engineer (Ecole Centrale de Lille), Specialist in Air and Water • Jacques-Marie Moranne Purification, Chemical and Nuclear Engineering · Serge Morin Emeritus Professor Geography at Université Michel de Montaigne, Bordeaux, Honorary Mayer of Branne Geographer on Natural Hazards Management, Co-Founder of Visov, a · Cédric Moro NGO in Civil Defense Engineer ENSTA and Génie Maritime, specialist in Software Philippe Morvan 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 PhD, Distinguished Professor of Mineralogy and Crystallography, Massimo Nespolo Université de Lorraine, France Emeritus Professor of Botany and Plant Pathology and Chairman of Michel le Normand 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 · Iean 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) Engineer INSA in Chemistry, Retired Project Manager in R&D, Expert • Pierre Ripoche in High Temperature Plasma for Optical Fiber Process · Isabell Rivals Associate Professor in Statistics at ESPCI Paris · Betrand Rouffiange Doctor of Medicine, specialized in Radiology Jean Rouguerol 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

France continued

• François Simonet PhD, Biology, Former Director for Planning and Forsight 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)

Camille Veyres Retired Engineer at École des Mines, specialist in Telecommunications

and Broadband Networks

• Werner de Ville Vreden writer ("Afrika"), developper and author

Brigitte van Vliet-Lanoë Geoscientist, Emeritus Research Director (CNRS, Université de

Bretagne Occidentale), Stratigraphy and Paleoenvironments,

Quaternary and Holocene

Théa Vogt Retired CNRS Searcher, Géomorphology, Quaternary

Palaeoenvironments, Soil and Desertification Remote Sensing

Henry Voron Retired Civil Chief Engineer, specialized in Water Management



1 WCD Ambassador

• Fritz Vahrenholt Professor (i.R.) am Institut für Technische und Makromolekulare

Chemie der Universität Hamburg

119 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
 Klaus-Dieter Böhme Dipl. Physicist, professional experience in X-ray spectroscopy

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

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)

Germany continued Msc in Geology, lifetime career in the Geo-Energy Industry • Joerg Dornemann · 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 • Eberhard Happe Eisenbahningenieur · Hermann Harde Emeritus Professor of Experimental Physics and Materials Science, Helmut Schmidt-University, Hamburg Professor in Theoretical Chemistry, Expert Knowledge in Computer · Prof. Dr. Bernd Hartke 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 · Dietmar Hildebrand PhD Biophysics and Nuclear Physics, patent holder in fuzzy logic based suveillance, IT expert and development manager · Dr. Jens Hofele Chemist, developer of low-carbon cement compositions • Dr. Andreas Hoppe Systems biologist, Institute for Bee Research Chemistry, Master (Diplom Chemiker), PhD (Dr. rer. nat.), lecturer at · Heinz Hug Paul-Ehrlich-Schule (Frankfurt, Germany), Technical College affiliated to the former Hoechst AG · Prof. Axel Janke PhD, professor of evolutionary genomics Dipl.-Ing. Interested and committed to environmental issues · Jörg Jensen André Karutz Chemist, Dr. rer. nat. expert in environmental matters • Professor Dr. Gerhard Kehrer Retired Physician, Internist and Physiologist Agricultural Scientist at University of Hohenheim · Dr. Udo Kienle · 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 Gunter Kümel lifetime career in virus research in the natural siences · 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 Vice-President EIKE (Europäisches Institute für Klima und Energie)

 Michael Limburg Martin Lindner PhD in Chemistry, Dipl. in Chemistry, President of the Bürger für

· Dr. rer. nat. Rolf Lindner

• Prof. Dr. Kai van de Loo

• Dr. Stephan Lorenzen

· Dr. Alf Loeffler

Chemist PhD in Theoretical Physics

Technik

Dr. rer. oec. Honorarprofessor der THGA und Senior Consultant im Forschungszentrum Nachbergbau

PhD Theoretical Biology, Bioinformatician, worked with nonlinear

modelling

Germany continued studied crystallography, chemistry, physics, mathematics and · Professor Dr. Knut Löschke computer science. Honorary professor at the University of Leipzig, dealed with the energy industry and climate change • Horst-Joachim Lüdecke Professor of Operations Research (i.R.) HTW of Saarland, Saarbrücken · Hermann Luyken MSc Chemical Engineering · Wolfgang Merbach Professor Dr. Agrar. Habil. at Institut für Agrar Ernährungswissenschaften · Prof. Lothar W. Meyer Emeritus Professor of Material Engineering, Chemnitz University of Technology, Saxony Entrepreneur 'Nordmetall GmbH', Member of the Board of 'Vernunftkraft Niedersachsen' · Marcus Moller MD, PhD, 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 Emeritus Professor of Macromolecular Chemistry, Universität Siegen · Werner Mormann · 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 Bestselling Author & Journalist Flo Osrainik · Hans Penner PhD, Dipl.-Chem. Dr. rer. nat., Linkenheim-Hochstetten Businessman with intensive experience as investor in carbon · Lutz Peters 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** Chemical Engineer and Autor of certain books, explaining atmospheric · Hans Joerg Schmidt energy exchange and providing arguments against global warming caused by mankind · Dr. Martin Schmidt PhD Physics, industrial career of research, development and production of hightec products and subequently 22 years CEO of Möller-Wedel, a German medical company · Christoph Schmidt MSc Mathematics, JWG-University Frankfurt · Stefan Schmidt Scientist in the field of Energy · Dr. Jens-Christoph Schneider PhD in Isotope Chemistry, life time career in palaeoclimate and atmospheric geochemistry · Dr. rer. nat. Michael Schnell Retired Chemist • Prof. Dr. Dr. Karl-Heinz Schulz University Hospital Hamburg-Eppendorf, interdisciplinary research in Medicine, Psychology and exercise science (https://www. researchgate.net/profile/Karl-Heinz-Schulz-2) · Thomas Schulze Thomas Schulze, Dr. phil., Selbständiger Berater und Dozent • Dipl. Psych. Ulrike Schwan Professional psychotherapist, psychotherapist look at the IPCC organization • W.H. Eugen Schwartz

Emeritus Professor of Theoretical Chemistry, Universitaet Siegen

· Dr.-Ing. Christian Singewald Dipl.-Geologist, PhD Mining Engineering

Dipl.-Ing. der Elektrotechnik, Retired am Technischen Universität · Attila Sonal

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

Germany continued

Lothar Strenge strategy and concept developer, full time writing on a large SF project

Manuel Tacanho founder and president of the Afrindependent Institute
 Matthias Thiermann Parliamentary adviser in the Bavarian Parliament

Dr. Holger Thuss
 President EIKE Institute

Dr. Martin Treiber
 PhD in Physics, Professorship of Econometrics and Statistics
 Jost Trier
 PhD, Retired Experimental Physicist at the Federal Institute in

Braunschweig, Dept. of Atomic Physics

Ralf D. Tscheuschner
 Dr. Stefan Uhlig
 PhD in Physics
 Geologist

Helmut Waniczek
 Ulrich O. Weber
 Dr. Dipl. Ing., Scientist, working 40 years in chemical industry
 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

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)



18 SIGNATORIES FROM GREECE

1 WCD Ambassador

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

Agricultural Engineering.

17 Signatories

Ioannis Benekos
 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

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 Georgiou MSc (with Honors) in Biochemistry, PhD in Biology-Biochemistry,

Emeritus Professor of Biochemistry

• Dr. Vassilios C. Kelessidis former Professor at Khalifa University, Texas A&M at Qatar and

 $\label{thm:continuous} \mbox{Technical University of Crete Greece, Lifetime of Experience in}$

Petroleum Engineering

Christos J. Kolovos
 PhD, Mining & Metallurgy Engineer, Former Director of Mine Planning

& Contractor Works Dept., Public Power Corporation of Greece

• Emmanouil Kopanakis Mechanical Engineer, Teacher at the Environmental Education Center

of Karpenisi

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

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, lifrtime

career in Applied and Environmental Geochemistry

Sonia Perez† PhD, Biology/Immunology, Scientific Coordinator Cancer Immunology

and Immunotherapy Center Saint Savas Cancer Hospital, Athens

• Prof. Nikos Mamassis

Greece continued

• Dr. G.-Fivos Sargentis Dr Engineer-Sculptor, Dept. of Water Resources; School of Civil

Engineering, National Technical University of Athens

Michael Sidiropoulos
 Principal Engineer, FortisBC



2 SIGNATORIES FROM GUATEMALA

2 Signatories

Jorge Chapas agronomist, environmental economics specialist, writter, spokesman

of climate realism and conservative politician.

Christopher Lingle PhD Economics Universidad Francisco Marroquín



9 SIGNATORIES FROM HUNGARY

1 WCD Ambassador

• Laszlo Szarka Geophysicist, O.M.

8 Signatories

Dr. Dezso Csejtei retired professor of philosophy at the University of Szeged

Dr. Endre Fuggerth lifelong experience in gas-chromatography
 Istvån 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

Dr. József Majer
 Senior Professor of Ecology and Environment Protection at University

of Pecs

Gábor Simon MSc Chemical Engineering, University teacher General, Anorganic,

Environmental and Analytic Chemistry

Dr. Gábor Szász
 Professor Emeritus, College Professor Dennis Gabor College

Department of Economics and Engineering



1 SIGNATORY FROM ICELAND

1 Signatory

• Dr. Helgi Tomasson PhD in Econometrics/statistics, Estimation and Computation in time-

series models



5 SIGNATORIES FROM INDIA

5 Signatories

• Dr. M.M. Ali MSc in Meteorology, and Oceanography with a PhD in Meteorology,

Center for Ocean-Atmospheric Prediction Studies, Florida State

University, USA

Dornadula Chandrasekharam retired professor from Indian Institute of Technology Bombay,

currently working in Izmir Institute of Technology as TUBITAK

Professor working on geothermal energy systems

Vijay Jayaraj
 Research Associate at CO2 Coalition, Contributor to Cornwall Alliance

Prem raj Pushpakaran
 PhD in BioTechnology, Professor



2 SIGNATORIES FROM INDONESIA

2 Signatories

Dr. Dr Paul D Giammalvo
 PhD, CDT, CCE (#1240), MScPM, MRICS, Senior Technical Advisor,

retired



20 SIGNATORIES FROM IRELAND

1 WCD Ambassador

Jim O'Brien
 Founder of the Irish Climate Science Forum, Expert Reviewer of IPCC

AR6

Ireland continued

19 Signatories

• dr. Dr Timothy Dunne PhD Psychology, Consultant Clinical Psychologist working in private

practice in Dublin

Gerald Fitzgibbon Physical Chemist specializing in Electrochemistry and

Thermodynamics

David Horgan
 MA (Cambridge), MBA (Harvard), Resource Company Director

Seamus Hughes BAgricSc, Specialist in Genetics

• Mark Gerard Keenan Former Science Advisor, Department of Energy and Climate

Change, U.K., Former Environmental Affairs Officer, United Nations

Environment Division, Geneva, Switzerland

Ultan Murphy
 BSc (Hons) Chemistry, Industry Science Professional

 Donal O'Callaghan
 Patrick L. O'Brien
 MSc, MPhil, Senior International Environmental Consultant

Owen O'Brien
 Business Founder and Entrepreneur, MBA, DBA

J. Philip O'Kane Emeritus Professor, School of Engineering, University College Cork
 Peter O'Neill Retired, School of Engineering, University College Dublin, Expert

Reviewer of IPCC AR6

Fintan Ryan
 Retired Senior Airline Captain, Fellow Royal Aeronautical Society

Christian Schaffalitzky
 FIMMM, Founder Institute of Geologists of Ireland, EurGeol

Dr. Norman Stewart PhD, former astrophysicist and meteorologist
 Brian N. Sweeney Founding Chairman of Science Foundation Ireland

• Pat Swords BE, CEng, FIChemE, PPSE, CEnv, MIEA, Challenger of Over-Reach in

Environmental Legislation

Sean Tangney
 Business Entrepreneur, Former Technical Director, CRH plc

David Thompson
 BAgricSc, MA, Animal Nutritionist



7 SIGNATORIES FROM ISRAEL

7 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



207 SIGNATORIES FROM ITALY

1 WCD Ambassador

• Alberto Prestininzi

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

206 Signatories

Aldo Aluigi
 Nuclear Engineer, Consultant in Power Plants, Cogeneration end

District Heating

• Piero Baldecchi Lettore

Italy continued

Achille Balduzzi
 Geologo, Agip-Eni

Antonio Ballarin
 Fisico, "Chief Artificial Intelligence Officer" della Pubblica

amministrazione

Cesare Barbieri Professore Emerito di Astronomia, Università di Padova

• Donato Barone Ingegnere

Sergio Bartalucci Fisico, Presidente Associazione Scienziati e Tecnologi per la Ricerca

Italiana

Giuseppe Basini
 Astrofisico, Deputato, Già dirigente di ricerca dell'INFN

Francesco Battaglia
 Professore di Chimica Fisica, Università di Modena, Movimento Galileo

2001

Marco Benini Ingegnere idraulico, libero professionista
 Eliseo Bertolasi Dottore di Ricerca in Antropologia Culturale
 Giorgio Bertucelli Ingegnere, già Dirigente Industriale, ALDAI
 Alessandro Bettini Professore Emerito (Fisica) Università di Padova
 Antonio Bianchini Professore di Astronomia, Università di Padova

• Luciano Biasini Emeritus Professor of Numerical and Graphic Calculations, Director

of the Faculty of Mathematical, Physical and Natural Sciences of the

University of Ferrara

• Mariano Bizzarri PhD, M.D., is Professor of Clinical Pathology in the Department of

Experimental Medicine at University Sapienza, Rome

Paolo Blasi
 Professore Emerito (Fisica) e già Rettore dell'Università di Firenze; già

Presidente della Conferenza dei Rettori delle Università Italiane

Enrico Bongiovanni Dottore Commercialista

Paolo Bonifazi
 Ex Direttore dell'Istituto di Fisica dello Spazio Interplanetario (IFSI)

dell'Istituto Nazionale Astrofisica (INAF)

• Roberto Bonucchi Insegnante in Pensione

• Giampiero Borrielli Ingegnere

• Gilles Bourgeois Professional Engineer with 27 experience in applied thermodynamics

in oil and gas

Francesca Bozzano Professore di Geologia Applicata, Università di Roma La Sapienza,

Direttore del Centro di Ricerca Previsione, Prevenzione e Controllo

Rischi Geologici (CERI)

Antonio Brambati Professore di Sedimentologia, Università di Trieste, Responsabile

Progetto Paleoclima-mare del PNRA, già Presidente Commissione

Nazionale di Oceanografia

Gianfranco Brignoli
 Geologo

Marcello Buccolini
 Professore di Geomorfologia, Università di Chieti-Pescara
 Paolo Budetta
 Professore di Geologia Applicata, Università di Napoli

Antonio Maria Calabrò
 Ingegnere, Ricercatore, Consulente

Monia Calista Ricercatore di Geologia Applicata, Università di Chieti-Pescara

Massimo Canali
 Associate Professor of Agricultural Economics and Policy, Department

of Agriculture and Food Sciences, University of Bologna

Dr. Andrea Capodaglio
 PhD, Professor, Environmental Engineering, University of Pavia

Cristiano Carabella
 Geologo, Borsista presso l'Università di Chieti

• Peppe Caridi

• Franco Casali Professore di Fisica, Università di Bologna e Accademia delle Scienze

di Bologna

Andrea Casini Lifetime career in electronic engineering and radiocommunications,

patent holder in wideband radio signals transmission over fiber

optics, Member of The Climate Reality Project

Giuseppe Cautero
 MSc in Physics, head of the Instrumentation & Detectors Laboratory,

Elettra Synchrotron radiation Source

Dr. Fausto Cavalli
 Agronomist, specialisation in meteorology

Giuliano Ceradelli
 Ingegnere e Climatologo, ALDAI

Augusta Vittoria Cerutti
 Membro del Comitato Glaciologico Italiano

• Franco di Cesare Dirigente, Agip-Eni

Alessandro Chiaudani
 PhD, Agronomo, Università di Chieti-Pescara

Luigi Chilin Dirigente in Pensione

Sapienza

Italy continued

Member of the C.I.R.N (Italian Nuclear Relaunch Committee) and of · Edoardo Cicali

the "Atoms for peace" association, former employee of a Radiological

Medical Center.Currently in the IT sector

· Pino Cippitelli Geologo Agip-Eni

• Carlo Colomba

• Enrico Colombo Chimico, Dirigente Industriale

· Vito Comencini Onorevole, Membro della Camera dei Deputati italiana dal 2018

Physicist, Istituto Nazionale di Fisica Nucleare (INFN) · Enrico Conti

• Ferruccio Cornicello Fotografo e Lettore di Studi sul Clima

• Domenico Corradini Professore di Geologia Storica, Università di Modena

· Carlo del Corso Ingegnere Chimico

· Uberto Crescenti Professore Emerito di Geologia Applicata, Università di Chieti-Pescara,

già Magnifico Rettore e Presidente della Società Geologica Italiana

 Fulvio Crisciani Professore di Fluidodinamica Geofisica, Università di Trieste e Istituto

Scienze Marine, Cnr, Trieste

• Salvatore Custodero

· Roberto d'Arielli Geologo, Borsista presso l'Università di Chieti

· Francesco Dellacasa Ingegnere, Amministratore di Società nel Settore Energetico

· Alessandro Demontis Perito Chimico Industriale, Tecnico per la Gestione delle Acque e delle

Risorse Ambientali, Pomezia

 Gandolfo Dominici PhD in Business Management, , Associate Professor of Business

Management and Marketing, University of Palermo, Italy

· Serena Doria Ricercatore di Probabilità e Statistica Matematica, Università di Chieti-

Pescara

· Gianluca Esposito Geologo

• Carlo Esposito Professore di Rischi Geologici, Università di Roma La Sapienza

· Prof. Stefano Falcinelli PhD, Professor of Chemistry and Materials Technology, Department of

Civil and Environmental Engineering, University of Perugia

Professore di Geotecnica, Politecnico di Bari · Antonio Mario Federico · 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 Ingegnere Nucleare e Scrittore Scientifico Sabino Gallo

· Stefano Gallozzi Degree in Physics, Researcher at the INAF, Italian Institute for

Astrophysics, Astronomical Observatory of Rome and presidente of

the Safegarding 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 Primo Ricercatore, IPCF-CNR, Pisa • 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 Italy continued Tropical Agronomist and Subtropical Field Biologist, Scientific adviser · Thomas Kukovec and consultant in research-projects and learned societies Ingegnere, Presidente di Società Ripristino Impianti Complessi · Alberto Lagi 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 Geologo, Borsista presso l'Università di Chieti · Vania Mancinelli · Ludovica Manusardi Fisico Nucleare e Giornalista Scientifico, UGIS · Luigi Marino Geologo, Centro Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza · Maurizio Marsigli Graduated in Geological Sciences and science author on the Sun and Space Meteorology · Francesco Martelli Professor Emeritus of University of Florence, Former President of **European Turbomachinery Society** · Alessandro Martelli Ingegnere, già Dirigente ENEA · Paolo Martini consultant petroleum geologist with 30+ years of experience • Salvatore Martino Professore di Geologia Applicata all'Ingegneria al Territorio ed ai Rischi, Università di Roma "Sapienza" · Maria Massullo Tecnologa, ENEA-Casaccia, Roma · Enrico Matteoli Primo Ricercatore, IPCF-CNR, Pisa · Paul P.A. Mazza Associate Professor of Quaternary Geology and Paleontology and of Archeozoology, University of Florence · 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. · 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-· Gabriella Mincione Professore di Scienze e Tecniche di Medicina di Laboratorio, Università di Chieti-Pescara • Umberto Minopoli Presidente dell'Associazione Italiana Nucleare • Diego Minuto MSc Geology, Engineering Geologist, Italy · Alberto Mirandola Professore di Energetica Applicata e Presidente Dottorato di Ricerca in Energetica, Università di Padova · Aurelio Misiti Professore di Ingegneria sanitaria-Ambientale, Università di Roma La Sapienza, già Preside della Facoltà di Ingegneria, già Presidente del Consiglio Superiore ai Lavori Pubblici • Maurizio Montuoro Medico • Maria Luisa Moriconi 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

Italy continued

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
 Professor of Seismology, University of Trieste, Beno Gutenberg medal

2000, International Award of the American Geophysical Union in 2018

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

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

• 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
 Mario Rampichini
 Professore di Geologia Applicata, Università di Chieti-Pescara
 Chimico, Dirigente Industriale in pensione, Consulente

• Arturo Raspini Geologo, Ricercatore, Istituto di Geoscienze e Georisorse (IGG),

Consiglio Nazionale delle Ricerche, Firenze

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

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

Italy continued

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

Massimo Salleolini Professore di Idrogeologia Applicata e Idrogeologia Ambientale,

Università di Siena

Nicola Scafetta
 Professore di Fisica dell'Atmosfera e Oceanografia, Università di Napoli

Emanuele Scalcione Responsabile Servizio Agrometeorologico Regionale ALSIA, Basilicata

Nicola Sciarra
 Professore di Geologia Applicata, Università di Chieti-Pescara

Francesco Sensi Generale di Divisione Aerea (R)
 Massimo Sepielli Direttore di Ricerca, ENEA, Roma

• 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 FisicoMaria 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 rigenerative expert
 Roberto Vacca Ingegnere e Scrittore Scientifico

Gianluca Valensise Dirigente di Ricerca, Istituto Nazionale di Geofisica e Vulcanologia,

Roma

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
 Andrea Zaccone
 MSc in Geology, former first researcher CNR IGAG, retired
 Geologo, Dirigente Protezione Civile Regione Lombardia

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



6 SIGNATORIES FROM JAPAN

6 Signatories

Takahiko Ban

· Masayuki Hyodo

• Yoshihiro Muronaka

• Mototaka Nakamura

Ph. D. Chemical Engineering, Associate Professor at Osaka University

Professor of Earth Science, Kobe University, Japan

Professional Engineer, studied Chemical Engineering, has been working in the areas of Environment, Energy, CVD and EHS Atmospheric and Oceanic Scientist (ScD in Meteorology, MIT)

Japan continued

• 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



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
 Master degree in Applied Economics, Industrial Engineer

Luis Frausto Chemical Engineer

Armando Páez
 PhD, Urbanism, Expert in Sustainability and Energy Transitions

• prof. dr. Rumen Tsonchev PhD in Physics, Professor at Faculty of Physics, University of Zacatecas

• Victor Manuel Velasco Herrera PhD, Space Engineer



1 SIGNATORY FROM NAMIBIA

1 Signatory

• Dr. Simon Idris Beshir Cardiologist, currently involved in Green Project in Kalahari Desert



159 SIGNATORIES FROM NETHERLANDS

2 WCD Ambassadors

• Prof.Dr.Ir. Guus Berkhout Emeritus Professor of Geophysics, Delft University of Technology,

Member of the Royal Netherlands Academy of Arts and Sciences

Dr. Kees Lepair
 Physicist, Former CEO Physics & Technology Research Organisations

157 Signatories

• Drs. Jan H. Akkerman MSc, Structural Geology, worked 19 years with Billiton in Mining and

Geology and the last 20 years with DGA van Akkerman Exploration BV

Maarten van Andel
 Author of the 'Groene Illusie'

Tjeerd Andringa
 MSc in Physics, PhD in Signal Processing, former Associate Professor

of Sensory Cognition, Epistemologist

• Jan Asselbergs Mechanical Engineer who started his career with IHC. Since 1990 he is

active in revitalizing medium sized companies

Dries Ausems
 MSc, Earth Sciences, Lifetime Experience as Geologist in the Geo-

Energy Industry

René Bakers
 Former Lawyer and Attorney Liability and Insurance

Dr. Thomas W. Bakker
 Lifetime Experience in the Geo-energy Industry, Founder and former

(or retired) CEO of Well Engineering Partners BV

Netherlands continued

 Nanda Josina Sofia Bakker -Ait Arrami MSc, MBA · 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 · Ian 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, Radbout 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 · Gerhard Diephuis MSc, Geosciences, specialized in Geophysics, Lifetime Experience in the Geo-Energy Industry, Guest Lecturer TU Delft · Henck van Dijck 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 MSc Mechenical Engineering TU Delft, Design and Construction of gas · Vincent van Driel / oil processsing plants, Retired · Dr. Jan W. Drukker† 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 · Louw Feenstra Emeritus Professor Erasmus University and Philosopher, Rotterdam Arnold Fellendans Physics at TU Delft, 40 years at Unilever (retired), www.omdeaarde.nl Frans Galjee Mechanical Engineer, Retired Researcher at ECN · Harold van Garderen PhD in complexity science/chemistry (TU Eindhoven) and social complexity/narrative scientist (self-employed) Teacher in Physics · Jan van Gils · Ir. Henk Goemans MSc, Geosciences, specialized in Reservoir Engineering

Netherlands continued · Frans H Gortemaker Former Vice President Unilever Global R&D • Drs. W.J. Evert van de Graaff Consulting Geologist, 50+ years Global Experience · Ton J.T. Grimberg Oil & Gas Professional, Finance Adviser · Katharina Grimm Msc Agroecology and Sustainable Food Systems, Project Leader energy transition at the municipality of Epe • Ir. Kees de Groot Former Director Upstream Research Lab. Shell Paul de Groot PhD, Geoscience, Manager dGB Earth Sciences · 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 Former Director Billiton Research Arnhem and Former Director Leo Halvers **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, Geoscciences, specialized in Geology, past Technical Director of the Dutch State Oil and Gas Company EBN Msc in Civil Engineering TU Delft, President of Allseas, worldwide Edward Heerema active in offshore pipelaying and platform lifting · I.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 Electrorisk Verzekeringsmaatschappij N.V. Msc Process Engineering TU Delft, expert in energy-and thermal • Jan J.C. de Jong process engineering, lifetime career in the oil and gas industry · Wouter J. Keller Emeritus Professor of Statistical Methods, Former Member Board of Directors, Central Bureau of Statistics (CBS) Economist and Marketeer, Former CFO Rabobank, now Climate and · Jacques van Kerchove **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 Principal Geophysicist, researching Influence of CO2 on Atmospheric Rob de Kok **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 Emeritus Professor of Atmospheric Chemistry and Physics, and • Prof. dr. Cornelis A. de Lange Complex Modelling, Former Senator in the Dutch Senate

MSc Industrial Sciences

geo-energy industry

Groningen

Former Director Unilever Research Vlaardingen

Msc. Petroleum Engineering, lifetime experience in the international

Emeritus Professor of Economic and Human Geography, University of

Studied Physical Geography, retired economist and statistician

· PROF. DR. Pieter Lukkes†

World Climate Declaration 23 October 2024

· Arjan Lenoir

• Dr. ir. B.G. Linsen

• Jaap M. van Luijk

Netherlands continued

Former Teacher Meteorology, now Publicist on Climate Matters · Hugo Matthijssen · Leo D. Minnigh retired scientist in structural geology, lecturer/speaker for nonprofessionals PhD in Nuclear Physics at University of Utrecht, MS Computer Science · Dr. Rob Mooij 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 · Dr. Chris Oldenhof PhD in Photochemistry, Retired from the Dutch chemical company DSM · Ir. Peter Oosterling Former Scientist E & P Shell, now active as Climate Researcher · Daan Osinga Geologist · Kees Pieters Mathematician, Former Operational Research and ICT manager at · 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 Msc Geophysics TU Delft, Geophysical Consultant, climate realist · Paul Ras • Ir. B. Peter Rauwerda Msc in nuclear engineering, TU Delft · Louis M.P.T. van den Reek PharmD, Member of 'De Groene Rekenkamer' · Jan C. Reinoud retired CEO Dutch chain of Supermarkets MSc in Social technology, planned change (University of Groningen · A.G. Reitsma 1978) Social Technician · Kees Remi Electrical Engineer, lifetime experience in Energy Distribution and **Industrial Automation** Finite Element Modeling Expert, Retired from EU Joint Research Joseph Revnen Centre in Ispra, Emeritus Associate professor TU Delft · 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 · Jan Jacob Siepman van den Berg retired teacher in physics, mathematics, astronomy and phenomenology · 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. · P.J. Strijkert Former Member Board of Directors of DSM, Delft

Netherlands continued

Dr Hans van SuijdamDr. Harrie C. M. de Swart	Former Executive Vice President Research and Development DSM
	Emeritus Professor of Logic and Language Analysis, University of Tilburg, Author of the book 'Philosophical and Mathematical Logic'
Dick Swart	MSC, worldwide drilling expert, lifetime of experience in the geo- energy industry
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
 prof. dr. ir. Jan Dirk van Elsas 	PhD, Em. Prof .Microbial Ecology, RUG
 Maarten Vasbinder 	MD, specialized in prion theories and practice
• J.F. van de Vate	Former Director ECN, Petten, The Netherlands. Former UN Delegate IPCC
• prof. dr. ir. Jan Verheij	Retired Scientist Applied Physics at TNO Delft, Emeritus Professor of Noise Control Engineering at Eindhoven University of Technology
Hans Verschuur	MSc, Geosciences, specialized in Mining
Henk Verveer	Msc Civil Engineering TU Delft, lifetime experience in maritime infrastructure and building services
• Jannes. J. Verwer	Former Director ECN and Former Chairman Supervisory Board State Owned Radio Active Waste Storage Facilities
Koen Vogel	Geologist and Geostatistician, lifetime experience in numerical modelling, proficient in evaluating and developing global energy projects
 Henk van der Vorst 	Emeritus Professor of Numerical Mathematics, University of Utrecht
Bart Vos	Msc Petroleum Engineering, Lifetime of Experience in the Geo-energy Industry
• Rob de Vos	Geographer and Editor of "Klimaatgek"
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 Wakker	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	Master of Law, Owner of an International Business for Management, Consultancy and Finance
Bert Weteringe	Author, independent research journalist on energy transition and wind energy.
Dolf van Wijk	Formerly AkzoNobel Environmental Research Laboratory and Former Executive Director Cefic-Euro Chlor, Brussels
 Jaap Wijsman 	Mechanical Engineer, active in the offshore industry
Theo te Winkel	Geo Scientist and International Health Care Specialist
Jan Winkel	MSc, Chemical Engineering, specialization in Natural Gas Projects, Lifetime Experience in the Geo-Energy Industry
Wim Witteman	Professor of Applied Physics and CO2 lasers, University of Twente
Dr. Hans Wolkers	PhD in Animal Physiology and Environment, Over 20 years of research experience, incl. Arctic ecotoxicology, Science journalist and university lecturer in 'Writing about Science'
• Theo Wolters	Chairman Environment, Science & Policy Foundation, Co-founder 'Groene Rekenkamer' and 'Climategate.nl'
Govert Zijderveld	MSc Mining Engineering, Consultant for all Drilling, Mining and Naval Engineering activities
• Dr. E.J. (Ed) Zuiderwijk	Retired Astrophysicist and Data Manager
Diederik Zwager	MSc Petroleum Engineering, CEO Air Drilling Associates



27 SIGNATORIES FROM NEW ZEALAND

1 WCD Ambassador

· Barry Edward Brill OBE, Previously Minister of Science and Techology

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

Retired Chemical Engineer, Upper Hutt. Executive Member New · Gary Kerkin

Zealand Climate Science Coalition

· Roman Leslie Research specialist in geochemistry of arc-magmatism, magma-

wallrock interactions, mineralogy, melt inclusions, SW Pacific tectonics

and geodynamics.

· Brian Leyland Power Systems Engineer and Experienced Renewable Energy

Specialist

· Gerrit J. van der Lingen Geologist and Paleoclimatologist, New Zealand, Author of the Book

The Fable of Stable Climate

· Nima Maleki MD specialist in family health, Bachelor in science

· Dr. John Maunder Climate Scientist, President of the WMO Commission for Climatology

1989-1996

· Dr Richard Reaney Climate Researcher, Post Graduate Qualification in Antarctic Studies,

University of Canterbury New Zealand

· Darag S. Rennie MBChB, Lifetime explorer of truth

· John Scarry ME (Civil), Structural Engineer, Member of the New Zealand Climate

Science Coalition

· John Sexton Member of the New Zealand Climate Coalition

· David Shelley Emeritus Associate Professor Geology and latterly Dean of

Postgraduate Studies, University of Canterbury, Christchurch

· David Steward Electronic Engineer, Supporter of truth seeking in climate change · Philip Strong

Science Research Leader & Member of the New Zealand Climate

Coalition

· Hugh Thorpe PhD, Retired Civil Engineer-Scientist.

Executive Member NZ Climate Scienc Coalition, Convenor Climate · Richard Treadgold

Conversation Group

· Ian Wright Professional Geologist



32 SIGNATORIES FROM NORWAY

2 WCD Ambassadors

· Ivar Giaever Nobel Laureate Professor, Nobel Prize Winner in Physics, Emeritus

> Professor of the Rensselaer Polytechnic Institute, Chief Technology Officer of Applied Biophysics Inc., Fellow of the American Physical

Society

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

University of Norway

30 Signatories

• Gunnar Abrahamsen Professor Emeritus Soil Science, University of Life Sciences Norway continued

Retired Geoscientist, adjunct Professor of Geophysics at the Uni-Knut Åm

versity of Bergen, Norway, Honorary member of The Norwegian

Academy of Technological Sciences

· Egil Bergsager MSc of UCLA and University of Oslo, Petroleum Geologist, Direc-tor

Norwegian Petroleum Directorate, President Rogaland Science Park.

Board member of advanced technology companies

• Stein Sorlie Bergsmark Phycisist, Former Head of Renewable Energy Studies Program-mes,

University of Agder

· Einar R. Bordewich multidiscipline Engineering

• Dr. Hans Borge Associate Professor in Mathematics, University of Stavanger · Reidar Borgstrøm

Professor Emeritus in Fishbiology and Nature Conservation,

University of Life Sciences

· Dr. Erik Bye Retired Senior Scientist in Physical Chemistry, Crystallography,

Chemometrics and Occupational Hygiene

• Ole Henrik Ellestad Physical Chemist. Former Research Director and Professor in

Petrochemistry at the Centre for Industrial Research and University of

· Jon Gulbrandsen PhD, Biologist, Associate Professor NOFIMA and NOAA (USA) • Arve Gleissner Gustavsen Msc in Cybernetics, Lifelong Experience in Design and Engineering

· Rögnvaldur Hannesson Professor Emeritus, Norwegian School of Economics

· Geir Hasnes Adjunct Associate Professor, Department of Engineering Cyber-netics,

Norwegian University of Science and Technology

• Martin Torvald Hovland Geophysical and Geological Advisor, Former Lecturer at Universi-ty of

Tromsø

• Ole Humlum Professor Emeritus in Physical Geography, University of Oslo

· Morten Jødal† Biologist, Former Employee of the Norwegian Research Council and

the Centre for the Development and Environment at the University of

Oslo. Passed away

· Dr. Ing. Hans Konrad Johnsen

· Olav Martin Kvalheim Emeritus Professor, Chemistry, Bergen University

· Arnfinn Langeland Professor Emeritus Biology, Norwegian University of Science and

Technology

· Mikael Lindgren MS Applied Phyics and electronics, PhD Chemical Physics, Prof Applied

Physics (Optics) and Biophysics (spectroscopy)

• 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

· Egil Pedersen Dr. Eng. and Professor of Technology at UiT The Arctic University of

· Elen Roaldset Emertitus Professor in Geology, University of Oslo, Former Direc-tor

of Natural History Museum Oslo, Professor at Norwegian University of

Science and Technology

• Ulf Torgny Rock Master of Chemical Engineering, Norsk Hydro

· Gjertrud Røyland Meteorologist with experience in operational forcasting (1997-2007)

from the Norwegian Meteorological Institute.

• Håkon Gunnar Rueslåtten Geological Researcher, Trondhheim

· Tom V. Segalstad Associate Professor Emeritus of Geochemistry, University of Oslo • Einar Sletten PhD, Professor in the Dept of Chemistry, University of Bergen

• Jørgen Stenersen Professor Emeritus Eco-Toxicology, University of Oslo



1 SIGNATORY FROM PARAGUAY

1 Signatory

Albrecht Glatzle

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



2 SIGNATORIES FROM PHILIPPINES

2 Signatories

· Melanchthon Bernil Professional Chemical Engineer

Philppines continued

· Herman Bognot

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



5 SIGNATORIES FROM POLAND

5 Signatories

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

• Zbigniew Gidzinski Advisor to the Chairman of the Silesian Region of the Solidarity Union

for climate policy, former Secretary of the National Energy Security Team of the Chancellery of the President

• Jaroslaw Grzesik Chairman of the National Secretariat of Mine and Energy Workers'

Union NSZZ

Dominik Kolorz
 Chairman of the Slasko-Dabrowski Region of NSZZ

Karol Pietrak
 Assistant Professor at Warsaw University of Technology, PhD in Power

Engineering



11 SIGNATORIES FROM PORTUGAL

1 WCD Ambassador

Dr. Peter Stallinga
 Professor Associado com Agregação, Universidade do Algarve,
 Portugal, Faculty of Sciences and Technology, Department of

Electronic Engineering and Informatics

10 Signatories

Demétrio Carlos Alves
 Chemical Engineer, specialized in Processes and Systems,

Postgraduate in Legal Issues of Urban Planning, University of Lisbon

• José Araújo Environmental Engineer, Airline Pilot.

Rui Cruz
 Pharmaceutical Development Scientist, PhD In Chemical and

Biological Engineering (Material Science Focus for Solar Energy

Applications)

Pieter IJzerman 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

Joao Manuel Silva Martins retired agrarian researcher

Pamela Matlack-Klein
 Member of Portuguese Sea Level Project, USA

• José Pinto de Sá PhD in Electrical and Computers Engineering, Professor of Power

Systems (Electrical and Computers Engineering), Instituto Superior

Técnico, Lisbon

Henrique Sousa
 Retired electrical engineer and teacher, wind energy expert and

energy consultant

• João José Rodrigues Tilly Mechanical Engineer and Maths teacher



8 SIGNATORIES FROM RUSSIA

• Prof. Dr. Igor Khmelinskii

8 Signatories

· Eugene Nagibin

• 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, Russian Academy of Sciences

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



4 SIGNATORIES FROM SLOVENIA

4 Signatories

missinterpretations of scientific discoveries

Tadej Ian
 MA, owner of a green-roof business, political publicist/columnist, and

expert in international relations

• Ján Lakota MD, PhD molecular biology

Rafael Mihalič
 Professor of Electrical Engineering, University of Ljubljana



13 SIGNATORIES FROM SOUTH AFRICA

13 Signatories

• Dr. Henrique J.S. de Barros Pinheiro Geologist, Invited Associate Professor, Universidade Fernando Pessoa,

Porto, Portugal

Rosemary Falcon
 Emeritus Professor Clean Coal Technology Research Group at the

University of Witwatersrand, Director Fossil Fuel Foundation

Dennis Shaun Garisch
 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

• Dr. Hans Hofmann-Reinecke nuclear physicist, author of several books "Grün und Dumm", articles

an videos on global warming and alternative energies for the general

public

Rob Jeffrey Economic Risk Consultant: Senior Economist and Managing

Consultant, leading expert in energy and electricity

Kelvin Kemm
 PhD, Nuclear Physicist, CEO Nuclear Africa, Pretoria

• Dr. John Ledger Visiting Associate Professor at the University of the Witwatersrand,

Energy and Environmental Consultant, Consulting Editor, Freelance

Writer, Editor and Lecturer

Prof. Richard Meissner
 Associate Professor, Department of Political Sciences, University of

South Africa

Don Mingay
 Retired Professor of Nuclear Physics

Professor Martin R. Sharpe
 PhD from University of Exeter, retired Geologist, Geochemist, Analyst

and Field Mapper at University of Pretoria, Founder of geological

consulting and exploration companies

Grant Son PhD in Natural Science
 Jacques Theron Retired Veterinarian

Geert F de Vries
 Retired physicist / nuclear engineer



2 SIGNATORIES FROM SOUTH KOREA

1 WCD Ambassador

Dr. Seok Soon Park
 Professor of Environmental Science and Engineering, Ewha Womans

University, Seoul, Founder of the Climate Truth Forum

1 Signatory

Zonghie Han
 economist at Daegu University



22 SIGNATORIES FROM SPAIN

1 WCD Ambassador

Blanca Parga Landa
 PhD, Modelling Expert, specialist in Environmental Law

21 Signatories

Bernardo Armero Engineer and Project Leader within Clean Aviation

Raquel Barquero
 PhD, lifetime career as nuclear engineer and medical physicist in

Valladolid University Clinical Hospital

Dr. Saúl Blanco Associate Professor of Ecology at the University of León

• Ferran Brunet Professor on the European Economy, Unniversitat Autònoma de

Barcelona

• Antonio de la Hoz BSc in in Business and International Economics, activist and expert in

economics and political implications of causes and consequences of

climate change

Aitor Ercilla climate historian and computer scientist. Researches the importance

of climate change in social processes

• Maria Teresa Estevan Bolea Engineering award 2019 Royal Spanish Academy of Engineering,

World Award 2018 In Engineering WFEO, National Prize in Industrial

Engineering 2019

• José-Ramón Ferrandis Analyst, Writer, Communicator

• Juan Miguel Gómez Menor Robles PhD in Biology (Botany), High School Head of Department.

Antonio J. Huertas Engineer with 35 years experience in Energy Politics and Operation,

and Environmental Care

• Isabel López García PhD on Chemical Engineering, Assistant Professor of Physical

Chemistry and applied Thermodynamics, University of Córdoba

Alexander Keith Martin
 PhD Geology and Geophysics, Consultant geologist

• Jose Manuel Miranda Lopez PhD, Professor at the University Santiago de Compostela , Department

of Analytical Chemistry, Nutrition and Bromatology

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

• 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

Alejandro Rodríguez-Gómez
 Associate Professor, Universitat Politècnica de Catalunya, Barcelona,

Spain

Manuel Jesús Romero Rincón
 PhD Civil Engineering, Professor at Miguel Hernández University of

Elche, Spain CEO at ETRES Consultores

Manuel M. Sánchez del Pino
 PhD, Department of Biochemistry and Molecular Biology, University of

Valencia

• Javier del Valle Melendo Doctor in Climatology, Professor a Centro Universitario de la Defensa

Javier Vinós
 PhD, Scientist and independent climate researcher

Wynn Williamson co-founder and managing partner of real estate developer BWRE



48 SIGNATORIES FROM SWEDEN

1 WCD Ambassador

Ingemar Nordin Emeritus Professor Philosophy of Science, Linköping University

Sweden continued

47	ςi	œ	n	2	ŧ	^	r	i	۵	c
41	21	ĸ.	ш	α	ι	u	ı	ı	Ľ	3

Michael Andersson
 Bsc in biology, medical doctor, retired Chief Medical Officer at a

battalion of the Swedish Airforce

Leif Åsbrink
 PhD, Technology at KTH in Molecular Physics, Stockholm

Sture Åström
 MSc, Technology, Professional in Climate Issues, Secretary of the

Swedish Network Klimatsans

Erik Axelkrans
 MSc in physics and physical oceanography, University of Gothenburg

Rolf Bergman Emeritus Professor of Physical Chemistry, Uppsala University

• Dr. Lars Bern Member of The Royal Swedish Academy of Sciences, Retired CEO in

Incentive AB

Joakim Blomqvist
 Sr. Design Manager for design and energy solutions within a larger

construction company

Magnus Cederlöf Software Specialist, Stockholm

• Tore Dalväg Msc, Physics, Research Engineer in Hydrodynamics and

Thermodynamics, Senior Advisor in Environmental Standards, Author

of 'CO2 a source of life or a threat'

Hans Eklund PhD, Technology, Acting Professor at the Department of Laser-and

Electro-optics, Chalmers University of Technology, Gothenburg

Per-Olof Eriksson Physicist, Former CEO of Sandvik Group
 Dr. Anders Flodin PhD, Mechanical Engineering, NC, USA

Mats Freding
 MSc Mechatronics Test team leader, environmental and software test.

David D. Gee Professor Emeritus Orogen Dynamics, Uppsala University
 Anders Grufman MSE, MA, Economics, Industrial and Environmental Economics

• Jan Hagberg PhD, Statistics, Stockholm

• Björn Hammarskjöld MD, PhD in Biochemistry, Assistant Professor in Pediatrics

Lars Hässler
 PhD, Rock and Soil Mechanics, Bsc Chemistry and Biology, Msc Civil

Engineering

Eilif Hensvold PhD, Mathematics, Associate Professor of Mathematics (Retired),

Simulation of Large-scale Industrial Systems, Uppsala University,

Luleå Technical University

Gunnar Holmgren
 PhD, Space Physics, Retired Head of Dept. of Engineering Sciences,

Uppsala University

Mats Janson MSc, Electrical Engineering, KTH Royal Institute of Technology,

Stockholm

Hans Jelbring Climate Researcher

Göran Johansson specialist in Energy Systems

Claes Johnson Emeritus Professor of Mathematics at Royal Institute of Technology,

Stockholm

Gunnar Juliusson Professor of Hematology, Lund University, Senior Consultant, Skåne,

University Hospital, Lund

Sten Kaijser Emeritus Professor of Mathematics, Uppsala University

Johnny Kronvall Mah
 Emeritus Professor in Building Physics, Malmö University and Lund

University

• Lars E. Linder Associate Professor of Medicine, Gothenburg

Jan Lindström
 Senior Medical Physicist, PhD, Former Head of Department of Medical

Physics Karolinska, Worked and published in Environmental Science

(Harwell UK). Long climate interest.

Rune Lundgren
 MSc, Helsinki University of Technology, Energy System Expert

• Toomas Mathiesen MD, Retired

• Johan Montelius Associate Professor of Computer Science at the Royal Institute of

Technology, Stockholm

Jacob Nordangård PhD, Technology and Social Change at the University of Linköping,

Researcher on Climate Change History

Gabriel Oxenstierna PhD, retired, currently author for Klimatupplysningen.se
 Gösta Pettersson Emeritus Professor in Biochemistry, University of Lund

Marian Radetzki Emeritus Professor of Economics, Luleå University of Technology

Mats Rosengren
 Mathematics, Space Flight Trajectory Specialist

• Torsten Sandström Professor Emeritus, Department of Law, University of Lund

Rabbe Sjöberg
 PhD, Geology, Member of Paleogeophysics & Geodynamics Institute

Sweden continued

Peter Stilbs
 Emeritus Professor of Physical Chemistry, Royal Institute of

Technology (KTH), Stockholm

• Prof. Jan-Olov Strömberg Emeritus Professor of Mathematics at Royal Institute of Technology,

Stockholm

• Lars H. Thylen Professor Emeritus in Photonics, Dept. of Theoretical Chemistry and

Biology, Royal Institute of Technology, Stockholm, specializing in Low

Power Nanophotonics Technology

Tege Tornvall
 Member of Klimatrealisterna and of its election committee, active in

network Klimatsans

Gösta Walin
 Proffessor Emeritus in Oceanography at Univerity of Gothenburg

Elsa Widding
 Consultant, Author on Climate Change, Stockholm

Lech Wosinski
 Researcher Emeritus, Associate Professor, Royal Institute of

Technology, Stockholm

Orjan Wrange PhD, Emeritus Professor in molecular Genetics Karolinska Institutet,

Stockholm, Sweden



23 SIGNATORIES FROM SWITZERLAND

23 Signatories

• Dr. Denis Bednyagin researcher specialised in integrated (Energy-Economy-Environment)

assessment modelling

Thomas Binder Cardiologist and Internist

Majed Chergui Emeritus Professor of Chemistry and Physics

Helmut Elben
 Dr. Michael Esfeld
 PhD in Physics, working as Strategy, Technology and IT Consultant
 full professor of philosophy of science, University of Lausanne

Ferruccio Ferroni Dipl.Ing. ETH, Energy Consultant

René Funk
 Software Engineer, specialized in Analysing Satellite, Sea and Land

Temperature

Werner Furrer
 MSc, Mathematics and Physics, President of the Climate Realistic

Group in Switzerland

Christian Jacot Pharmacist

• Fabrizio Jauch PhD Earth Sciences, Expert for the Swiss Accreditation Service for

geotechnical laboratory analysis

Markus D. Knecht chemist, 15 years reserach on climate change

Dr. Johannis Nöggerath
 40 years experience in Nuclear Power Engineering, Passionate

a mateur researcher in realistic climate science for more than $10\ \mbox{years}$

Joseph Ongena Member of the Permanent Monitoring Panel for World Energy, World

Federation of Scientists, Geneva

• Dr. Jean-Claude Pont Dr. Math., Emeritus Professor of The History of Philosophy of Sciences,

University of Genève

• Dr. Franz-Karl Reinhart Emeritus Professor of Physics, Lausanne

• Claude Roessiger Entrepreneur and Author of several Books on Organizational

Management and Public Policy, Organiser and Chairman of the

Portsmouth Conference 2018 on Climate Policies

Beat Dominic Roth
 Owner Filmcompany

• Heinz Schmid Dipl. Ing. Agr ETH, more than 10 years involement in climate science

and climate communication

• Dr. Ralf Lorenz Schmitt PhD in Chemistry, Product Manager

• Thomas Stadler MSc in Physics, ETH Zürich, Geophysics, Specialty in Geothermics

• Ivan Surace PhD in Geology, Geol Surace I.R.

Prof. Dr. Eric P. Verrecchia
 Professor at the University of Lausanne, Chair of Biogeochemistry at

the Institute of Earth Surface Dynamics, expert in terrestrial carbon

cycle of the tropical and temperate zones

• Dr. Eric Vieira (retired), Ph.D (organic chemistry), 27 years at Roche Pharmaceuticals

(Principal Scientist)



3 SIGNATORIES FROM TURKEY

3 Signatories

Prof. Kerem Cankocak
 Professor in Particle Physics at Istanbul Technical University, author of

more than 200 books in different scientific areas

Turkey continued

Ufuk Coscun columnist at Milat Newspaper

Andrew Cullen
 Ph.D Geography



2 SIGNATORIES FROM UKRAINE

2 Signatories

Vsevolod Lozitsky
 DrSci, Astronomical Observatory of Taras Shevchenko National

University of Kyiv, expert in solar physics, solar activity and magnetic

field, and solar-terrestrial connections

• Irina Vasiljeva CSc, Research Fellow at the Main Astronomical Observatory of

National Academy of Science of Ukraine, research interests include

solar physics



165 SIGNATORIES FROM UNITED KINGDOM

1 WCD Ambassador

• Christopher The Viscount Monckton of Brenchley

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

164 Signatories

Tom Agbabi
 PhD, Professional engineer in the energy industry

Colin Andress
 BSc Physics, MSc Astrophysics, MA (Oxon) Classics & Philosophy,

Barrister, Fellow of the Royal Astronomical Society

Neils C. Arveschoug Geophysicist, Private start-up Oil E&P Company

Nigel Banks
 PhD Geology, Petroleum Geologist

Andrew P. Barker Biological Chemist

John Anthony Barney
 Retired Scientist and Technologist

Nik Bartley
 Mechanical Engineer

Nigel Beckwith professional graduate Podiatrist, Post Grad. in Sports Science, Post

Grad. in Science Education

• Alan Richard Belk retired Mechanical Engineer with a 40+ year international career in

energy, industrial gas and chemical industries

Simon Bevan
 BSc Oceanography and Geology, WMO Qualified Meteorological

Forecaster

Roshan Bhunnoo Mathematics and Statistics, former Climate Data Analyst at the

Meteorological Office

Paul Binns
 Former Research Geoscientist and Climate Researcher

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

Trader

David Bodecott Geologist/Geophysicist, Fellow of the Geological Society of London
 Dr. Richard Booth retired Special Merit mathematician in the UK Civil Service

D.Q. Bowen
 Emeritus Professor of Earth and Ocean Sciences, Fellow International

Union for Quaternary Research, Cardiff University

Dr Phillip A. W. Bratby
 Physicist, Member of the Institute of Nuclear Engineers, retired energy

consultant

Michael Brown
 Paul Burgess
 Expert in Large Scale Thermal Fluid Dynamic Models
 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
 Peter Cale
 BSc in Physics, MBA which included modules on statistical anylysis
 Policitor, co founder and fund raiser for wave energy research project

as Director of Staithe Energy Products (1988 1995)

George Carey BSc Hons. Physics and Geology, Lifetime Physics teacher and amateur

astronomer

Brian R. Catt
 Electrical Engineer, Retired, publishing papers on Energy and Climate

Change

Richard Ceen
 BSc Physical Oceanography with Physics, entrepreneur / engineer

in Marine LNG Safety and Weather forecast dependent Optimising

Voyage Control Systems

Arthur Champion retired European Environmental Coordinator and CofE Diocesan

Environmental Adviser

• John Church Earth Science Professional, Retired from Energy Sector · David Coe MA(Oxon) in Physics, lifetime working on gaseous absorption spectroscopy, Lead author of "The Impact of CO2, H2O and Other Greenhouse Gases on Equilibrium Earth Temperatures" • Professor John C.W. Cope Professor of Geology, National Museum Wales, Cardiff • Dr. Douglas Cormack BSc in Chemistry, Maths, Physics and Microbiologyy, PhD in Physical Chemistry, Chief at Scientific Civil Service, Founder of the website "The campaign against belief consensus" · Richard Courtney Retired Material Scientist, Expert Peer Reviewer of the IPCC · Chas Cowie GDE Mining Engineering, Wits University, Retired IT Professional worked primarily in Mining and Logistics Industries • Dr. David Critchley Senior Clinical Pharmacologist, mathematical modelling of complex systems • Michael Cross Chemical Engineer • Peter Cunningham Expert in Mathematical Modelling of Complex Physical Phenoma Principal Lecturer in the Department of Computing and Informatics at • Dr Philip George Davies **Bournemouth University** · Robert Davies BSc Airline pilot · Isabel Davies Geophysicist and Entrepreneur · Jeremy Dawson retired Chartered Engineer with a career in the oil and gas industries · Dr. Keith P. Dawson Environmental and Agricultural Researcher · John Dewey Emeritus Professor of Geology at the University College Oxford, Distinguished Emeritus Professor University of California, · Howard Dewhirst FGS, Geologist, Initiator Open Letter to the Geological Society of London · James Dillon BSc Physics, DPhil Nuclear Physics, Former research physicist • Gregor Dixon FGS, Geologist, Former Member Geological Society of London · Peter Dorey BSc Physics, Senior Project Manager, (and unpaid educator & Climate Scientist) • Timothy (Tim) C. Duckworth Retired Mechanical Engineer in the Oil & Gas industry, Senior Auditor in Management/Facility/HSE · Dr. Michael Earle international earth scientist, energy professional, author · Dr. John S. Easterby Retired Senior Lecturer in Biochemistry University of Liverpool, Research area: Protein chemistry, Enzymology, Metabolic Modelling · Roderick Paul Eaton MBA FIET MCMI, Retired Consultant Energy Industry Analyst/ Management Consultant · Debra Eddy Entrepreneur and Guest Lecturer in Business Management • Dr. Andrew Edmonds data scientist with a strong background in AI, past CTO of a publicly traded US tech company, currently CEO of a private US company, ThinkBase LLC Geologist/Oceanographer, Coral Reef Researcher, MSc Petroleum · Peter Etherington-Smith Engineering (Imperial), life-time international experience in developing countries, retired from BG MSc, DIC, Dip. Met, AusIMM, IOM3, SME, Ch.Eng., President Tianshan · Kevin Foo Jade (UK) Ltd · Ashley Francis BSc, FRAS, Geophysicist with expertise in forward and inverse modelling, stochastic modelling and resolution/scale change impacts · Sean Galbally Project Manager Water and Wastewater Systems · Kalghatgi Gauram PhD Aeronautical Engineering, Consultant Professor, 50 Years' experience in R&D in combustion, fuels and energy · Gil Gilchrist Geophysicist · Alan Gill Retired Engineer in South Wales · Peter Gill Physicist, Ex Chair Institute of Physics Energy Group, Ex London Branch Chair & Fellow of EI • Paul R. Goddard retired Professor of Radiology, University of the West of England · Iohn 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 Research and Development of Flight Control Systems for Modern Civil · Mick Greenway and Military Aircraft, Retired Head of Research and Development within a Multi-Million-Dollar Company • David P. Gregg retired Unilever Research group leader and scientist, Author of studies of historical climate time series based on modern spectral analysis techniques · Brian Gregory MA. in Natural Sciences, MSc. in Business Studies, Lifetime Career in the UK Chemical Industry, currently Policy Director of the Alliance of **British Drivers** · Jimmy Haigh **Independent Geological Consultant** • Stephen Hardcastle Retired Electronics Engineer, 10 years experience in the design of NDIR gas detectors, for gases including CFC's CO2, CH4 and N2O · David Hardy Business Owner, Director and Experienced Chemical Engineer. 20+ years in Energy technology development including removal of pollution from conventional fossil fuel power sources · Tim Harper Geomechanics Consultant and Researcher, previous Recipient of the Royal Academy of Engineering MacRobert Award for Engineering Innovation • Ken Harrison Retired Chartered Physicist · John Harrison Former Chartered Physicist and Chartered Engineer · Peter Harvey Project Manager - Renewable offshore wind industry · Raymond Hayes BA (Lond) M.Litt (Oxon) FRGS Solicitor Hong Kong and England and Wales Formerly London Electricity Board, Consultant on Electricity Matters · Alex Henney · Roger Higgs DPhil (Oxon), Independent Geological Consultant, Geoclastica Ltd. Tatiane Melchior Stefanello Hodson Oceanographer, author, undertaking a Master's degree in International Public Policy at Queen Mary University of London • Dr. Sinclair Holland MBChB(Edin) Medical Doctor · Paul Homewood Climate & Energy Policy Analyst · Keith H. James PhD, Consultant Geologist • James Barry Jamieson Retired Aeronautical Engineer, Co-author IPCC report 1999 · Anthony Janio PhD in Physics, Independent Elected Councillor in Brighton and Hove · David A.L. Jenkins Geologist, Director Hurricane Energy plc · Dr. Chris Jesshope Emeritus Professor University of Amsterdam, Director Techne Consulting Ltd. David Jessop C.Eng., M.I.C.E., lifetime career in the water industry • Stephen Latimer Jones BA Chemistry, IT professional · Robert Jones BSc and PhD Mining Engineering, Director at Warwick Energy Consultant in environment, environmental law and sustainability, Zana Juppenlatz including renewable energy projects · Gavin Kenny Emeritus Professor of Anaesthesia, Intensive Care and Pain Medicine University of Glasgow • John L.D. Kerr B.A. (Hons) in Environmental Science & Technology; B.Sc. (Hons) in Chemistry, active as Environmental Consultant Experienced technically trained chenical engineer with experience · Stephen King in environmental consideration of major petrochemical projects, including technical and economic aspects · David A. Kirkwood MSc MIET, Professional engineer working in IT, Deputy Chairman of Reform UK Scotland · Geoffrey W. Lane retired Marine Engineer and Technical Author · Eur.Ing Colin Leci CO2 and Environmental Specialist · Roger Longstaff Experimental Space Physicist and Company Director · Anthony Lowe BSc Hons Polymer Chemistry and Physics, Consultant Polymer Solutions · Peter Justin Lunt MSc Geology London, adjunct lecturer in geology (stratigraphy) at Universiti Teknologi Petronas and Shandong University of Science and Technology (SDUST) Qiangdao BSc, Geologist, Fellow of the Geological Society (FGS) of London · Tom Mackay

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

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

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

• prof. Anton van der Merwe MD, PhD, Professor in Molecular Immunology

Matthew David Waggener
 Financial professional, strategic consultant on business investments
 Dr. Glenn K. Wakley
 Emeritus Associate Professor Biological Science, Fellow of the Royal

Society of Biology and member of The Anatomical Society

Professor David Wastell
 Emeritus Professor of Information Systems at the University of

Nottingham

Paul White
 B.Sc. Physics, Durham University, Retired, Former Higher Scientific

Officer Marine Climatology

Philip Linden Wilkes Life time Experience in Marine Biology

Jay Willis Marine Scientist, Associate of the OxNav Group of Oxford University.
 Matt Wood BSc in Metallurgy & Materials Science, Retired Airline Pilot, Patent

holder

Alison Wright
 BSc MSc. Systems Engineer, Energy Policy, Sustainable Development

policy.

Valentina Zharkova Professor of Mathematics and Astrophysics, Northumbria University,

Newcastle upon Tyne

• Ivor Zoeftig International communications coach specialised in chaodynamics and

NLP LP



445 SIGNATORIES FROM UNITED STATES OF AMERICA

2 WCD Ambassadors

• Dr. John F. Clauser Nobel Laureate Physicist

Richard Lindzen
 Emeritus Professor Atmospheres, Oceans and Climate, MIT, USA

443 Signatories

Edward Abbott
 MD, Retired obstetrician, BSc in math and chemistry

Paul Berrick Abramson
 PhD. in Theoretical (Solid State) Physics, Juris Doctor, Registered

Professional Nuclear Engineer

Dr. Syun-Ichi Akasofu
 Professor of Geophysics, Founding Director of the International Arctic

Research Center of the University of Alaska Fairbanks from 1998 until

2007

Ralph B. Alexander
 Emeritus Professor of Physics, Science Writer

Chapel Allen
 Geophysical Engineer with 49 years experience in earth science

· Lincoln Anderson Macroeconomist and Econometric Model Development BS Chemical Engineering, PhD Information Science, writes about • Michael Anderson contemporary American politics, including global warming · Michael Antonetti P.G., Professional geologist for 35+ years in Pennsylvania with Ms in glacial geomorphology · Anthony I. 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 · Ioe Bastardi Chief Meteorologist Weatherbell.com, Author: The Climate Chronicles: Inconvenient Revelations you won't hear from Al Gore and others; The Weaponization of Weather in the Phony Climate War • Captain Walter Bates Former pilot at United Airline · Charles G. Battig Climate Adviser, Heartland Institute · Eric Baum PhD in Theoretical Physics, Princeton University • Trenin Bayless PhD in Materials Science, Post-doctoral research in metallurgy, Masters degree in Biomedical Engineering • Scott Beattie Juris Doctor Degree (Law), studied history of science for 25 years and climate science for ten years · James Beilman ASBOG Licensed Environmental Geologist • Dr. Ernest Calvin Beisner Expert on the Ethics and Economics of Climate and Energy Policy, Founder and Spokesman of The Cornwall Alliance for the Stewardship of Creation · Larry Bell Endowed Professor of Space Architecture, University of Houston • Frank X. Bellini Retired Geologist and Environmental Scientist, 45 years experience in earth science research including flooding studies · David J. Benard Chemical Physicist & Co-inventor of the Oxygen-iodine Chemical Laser · Haym Benaroya Distinguished Professor of Mechanical and Aerospace Engineering, **Rutgers University** · Dr. Shmuel Ben-Shmuel PhD in Aerospace & Mechanical Engineering, retired aerospace engineer, worked on the Space Shuttle, doing Computational Fluid Dynamics simulations • Dr. Peter R. Bergethon retired Professor of Biochemistry, Anatomy & Neurobiology, Biomedical Engineering and Neurology, Boston and Tufts Universities. Inventor of bioelectrochemical energy systems. · Robin Bernhoft MD, FACS, FAAEM, retired liver and pancreatic surgeon, retired clinical toxicologist, author of 3 books, 28 peer-reviewed papers · Edward X. 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 counseler · Jared L. Black Numerical Analysis Consultant, ScD • Dr. David L. Black Clinical and Forensic Toxicologist (Microbiology, Immunology, Pathology, Pharmacology), Vanderbilt University Nashville, adjunct of Department of Medicine Board of Visitors • Thomas Lindsay Blanton PhD in Tectonophysics, Texas A&M University, Consultant in geomechanics specializing in compaction, subsidence, and lithospheric stress determination · Elliott D. Bloom Emeritus Professor of Particle Physics and Astrophysics, KIPAC-SLAG, Stanford University

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

ALabama Huntsville, cofounder of medical diagnostics startup

(genecapture)

• Terigi Ciccone Engineer, author of "A Hitchhiker's Journey Through Climate Change,"

and a proud former Sierra Club member

Prof. Claudio Cioffi-Revilla
 PhD, DSc Pol, University Professor Emeritus at George Mason

University

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

BScEE, MBA, former Corporate Vice President for Total Quality and · Murray Duffin Environmental Management, Retired • John Dale Dunn MD, JD, Lecturer Carl R. Darnall Army Medical Center, Fort Hood, Texas · Jack Edwards AI research and development (Retired) • Stephen Einhorn MSc in Chemistry, author of Climate Change: What they Rarely Teach In College • Guy Ellison Second generation oil and gas explorationist • Prof. James E. Enstrom PhD, MPH, FFACE, Retired UCLA Research Professor in Epidemiology, President of the Scientific Integrity Institute, Los Angeles • Kenneth Epperson Nuclear Engineer • Richard G. Eramian BA in mathematics and physics · Willis Eschenbach Generalist and Author of many (peer-reviewed) critical Climate Articles with numerous Citations · Vincent Esposito Adjunct Professor University of Pittsburg, PA, Doctor of Science in Nuclear Engineering (Un. Fo Viginia), Retired Manager from Westinghouse Electric Company Retired Physicist trained in Condensed Matter Theory, PhD (Physics), · Douglas Fairobent University of Michigan, 1978 · Dennis Falgout BS chemistry, MSE air pollution measurement, PhD Photochemistry, Consulting environmental engineer Fellow of the US National Academy of Engineering • Peter Farrell · 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 BS and MS in Geology, University of Kentucky, 30 plus years in the • William Foley energy industry, including experience in uncertainty and probability analysis. · James Forensky B.S.E.E., M.D. Retired Engineer and Physician · John Fortier Vice President of Geology/Geophysics • Dr. Geoffrey Q. Fox Geoffrey Q. Fox, Retired Neuroscientist, PhD in Anatomy and Physiology from the University of California, Berkeley · Dr. Neil Frank Lifetime of Experience in Research and Forecasting in Tropical Meteorology, Former Director National Hurricane Center · Patrick Frank PhD, SLAC National Accelerator Laboratory, Stanford University · Gary Freeman PhD, Water Resources, President, River Research & Design, Inc • Robert S. (Steve) Friberg Trend Resources LLC, Resources Exploration Geologist with +55 years of experience in the geological sciences field · Gordon J. Fulks Astrophysicist, Board of Directors CO2 Coalition, Co-founder Global Warming Realists • S. Fuller Hunt Biology Teacher at Preparatory High School of Mathematics, Science, Technology and Careers, Calabash, North Carolina • Lynn Warren Funk accelerator physicist, climate realist · Terry Gannon Physicist, Retired Semiconductor Executive • Dr. Philip Garrou PhD Chemistry 1974 Indiama 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 PhD, PE, Coastal Engineer, Southport North Carolina · Nicholas de Gennaro · 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

Retired Geologist

· Curtis Fred Goddard

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

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

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

Writer and Retired Petrophysicist

· Andy May

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

 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

Emeritus Professor of Gene-Environment Science, University of · Daniel W Nebert 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 Richard Nicholson MD University Of South Alabama 1988, Family Medicine · Ned Nikolov PhD, Physical Scientist at the USFS Rocky Mountain Research Station in Fort Collins, CO, Managing a Fire-Weather Intelligence Project • Paul Noel Research Scientist (retired) • Jesús Ochoa **MSc Earth Sciences** • Thomas O'Connor Member American Association of Petroleum Geologists, Washington · Sidney Oldberg BME, MSE, MSEE · Kenton Oma Retired PE Chemical Engineer, Environmental Engineering, Environmental Consultant, R&D at DOE Nuclear Facility · Jane M. Orient President of Doctors for Disaster Preparedness · Tench C. Page MSc & BSc in Geology including study of causes and effects of earth's climatic history • Steven Palmieri, Ph.D., D.O. MSc & PhD in Chemistry, Doctor of Osteopathic Medicine, Former Chemist & Virologist, Medical Doctor - Retired • Charlie Pappis retired Semiconductor Industry Executive · Trueman D. Parish Retired Director of Engineering Research Eastman Chemical Company PhD in Ceramics, Retired from the Oak Ridge National Laboratory, TN Arvid Pasto · Chad M. Paton PhD, Associate Professor at University of Georgia · Bill Pekny MSc Physics, Retired Atmospheric Physicist, former U.S. Navy Meteorologist and Hurricane Hunter, Author of the book: A Tale of Two Climates—One Real, One Imaginary PhD in Physics, Retired Profesor of Biochemistry and Molecular Pawel Penczek Biology • Charles W. Pennington Senior Vice President of Engineering NAC International (Retired), Secretary, XLNT Foundation, Board of Directors · Morgan Perry MS, MBA, Founder and CEO of Stratus Aero, LLC an aviation technology company focusing on aerial directed energy for human betterment, patents in aerial directed energy. • Jeffrey S. Philbin Retired Nuclear Engineer Sandia National Laboratories, Independent Consultant in Nuclear Facility Design and Safety Analysis, Nuclear Criticality Safety and Weapon Response • Dr. Robert B. Phillips retired from radio astrophysics, specialised in calibration and validation of orbital IR and visible sensors (GOESS, STSS-1 and -2) • Nina Pierpont MD, PhD. Ecology and medicine. Author, Wind Turbine Syndrome: A Report on a Natural Experiment. · James Richard Poirier BS degree in Meteorology, Lifetime Career in Atmospheric Science Registered Professional Engineer · James M. Policelli · 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

officed States of Afficiated Continued	
Dr. George Rebane	Scientist with degrees from UCLA in Physics (BS) and Engineering (MSE and PhD), lectured at UCLA and California State University as an Adjunct Professor
• Edward A. Reid	lifetime experience in the US energy industry in technical research and development, market development, marketing and consulting
• Fred A. Reitman	professional career as a petroleum and petrochemical toxicologist.
Forrest J. Remick	Commissioner (Retired), US Nuclear Regulatory Commission
• Dr. Douglas Rigby	Ph.D. in Geomechanics, B.S. in Hydrology, expertise in modeling complex phenomena under uncertainty
• Anthony Robledo IV	MSc, Environmental Scientist, United States Environmental Protection Agency
• David K. Rogers	PE, CEG MS, Geological Engineering, Member of the Boards of Consultants for the Federal Energy Regulatory Commission
Dr. Jennifer Runquist	PhD from Northwestern Unv, Evanston IL related to photosynthesis
Marius Russo	IT expert
• James H. Rust	Emeritus Professor of Nuclear Engineering, Georgia Institute of Technology
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
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 theorical physicist in unpredictability of complex systems; director of a Sterling Institute neuropsychiatric facility.
Kent Satterlee	Executive Director at Gulf Offshore Research Institute (GORI)
Dana H. Saylor Sr.	a lifelong agriculturalist, retired, article "Living a lifetime of climate change"
Hans Schantz	PhD Physics, Principal Scientist, Geeks and Nerds Corporation, physicist, author, and inventor on over forty patents
• John Schell	BS Marine Biology, PhD Toxicology, Toxicologist who has participated in the assessment of environmental impacts of chemical releases
Jesse Schilling	Certified Management Accountant
 Mike Schimmelpfennig 	Degreed Mining Engineer with more than 40 years of experience
Brian Schmidt	Co-Founder and Chief Visionary Officer of Primary Ocean Aquaculture division and Primary Bio Agriculture - Agriculture division
 Harold Grant Scoggins 	retired IT professional
 John Seater 	PhD, Emeritus Professor of Economics, North Carolina State University
Mark W. Sellers	PhD Systems Science, Modeling and Analysis of Complex Systems
• Edwin T. Sewall	Retired BS Electrical Engineering, Southern MethodistUniversity 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
William Sharp	PhD Applied Science, Retired.
Roscoe M. Shaw	meteorologist and portfolio manager
• Dr. Thomas P. Sheahen	PhD in Physics at MIT, Chairman, Science & Environmental Policy Project, involved in energy-related research for 45 years
• Dr. Roger Sheley	Ecologist, USDA-Agricultural Research Service; Editor-in-Chief of the international journal-Rangeland Ecology and Management
• John D. Sheppard	MD, MMSc, FACS, Professor of Ophthalmology, Microbiology & Immunology, Eastern Virginia Medical School
• John Shewchuk	Meteorologist (CCM) and Atmospheric Researcher
Stephen W. Shipman	Institutional Investor
Ryan Shrout	Environmental Attorney with a Masters of Law in Environmental Law practicing in the air emissions field
Dr. Matthew Eric Shultz	University of Delaware, Dept. of Physics & Astronomy, specialised in Stellar Astrophysics, Annie Jump Cannon Fellow
• David Siegel	author, entrepreneur, critical thinker, communicator

PhD in Ethics, Graduate Engineer, 45 years of research science and Hal Simeroth engineering with patents in geological logging instrumentation and geophysical exploration methodologies · Benjamin Slivka Retired, MSc Computer Science, "Angel" Investor with 20 start-ups in • Robert P. Smith PhD, PE, Environmental Scientist and Professional Engineer · Professor William H. Smith Professor of Earth & Planetary Sciences, Astronomer and Planetary & Atmospheric Scientist, involved in the Analysis of the Earth's Climate and Renewable Energy Systems · Robert J. Smith Bachelor of Physics, Aircraft test and evaluation engineer • Elliot Smith airline pilot, climate realist, 30+ years of studying AGW data • Nicholas Smith-Sebasto PhD, Retired Professor of Environmental and Sustainability Studies Willie Soon Independent Scientist • Prof. George Sowers PhD, Space Resources, Colorado School of Mines · Prof. Rick Bernard Spielman Senior Scientist & Professor of Physics, University of Rochester, Laboratory for Laser Energetics MSc in geology, owner of Mine Water Consulting LLC • Robert M. St. Louis · Kirk Douglas Stahnke MS Educ. Prof of Design Tech (Retired), Independent Climate Researcher · Walter Starck PhD, Marine Science, Pioneer in Coral Reef Studies, Policy Advisor to The Heartland Institute · Jess L. Stark Founder and CEO of Stark Industries, Houston, Texas · Doug Stearns PE, Natural Gas Consultant • Jim Steele Emeritus Director Sierra Nevada Field Campus, San Francisco State University · Phil Stegemoeller Professional Forester, Partnership with the Quinault Indian Nation, a BS in forest management at the University of Minnesota, 1979 • Ronald Stein Professional Engineer, Policy Adviser to Heartland Institute on Energy, and Co-Author of the Amazon 5-Star rated books "Energy Made Easy" and "Just GREEN Electricity" • Kenneth S. Stevens PhD, Professor, University of Utah, Electrical and Computer **Engineering Dept** • Brent K. Stewart PhD, Professor Emeritus, Radiology, University of Washington School of Medicine · Jonathan Stigant **BSc Engineering Science** · Kenneth Stoller MD - Lifetime Fellow, American College of Hyperbaric Medicine, author of Incurable Me (Skyhorse 2016) · David Stubbs MSc Physics, Sr. Research Scientist, Aerospace Materials and Nondestructive Testing, Retired • Gerald M. Sulzer MS Chemical Engineer, Retired Director of Technology, Albemarle Corporation • Soames Summerhays Marine Biologist, Film Maker · Dr. Daniel P. Taggart PhD in Experimental Plasma Physics, life time career in Controlled Thermonuclear Research and Radiation Protection at Los Alamos National Laboratory Physicist, Founder and President/CEO of Energycite Inc., President · Tomer D. Tamarkin and Chairman of ClimateCite Inc. · Paul Taylor Energy Economist, Recipient Rossitor Raymond Award, Golden Colorado • Bradley Thomas M.A. Air Pollution Meteorology • M Ray Thomasson • Francis Thompson Space Vehicle Engineer, Masters in General Relativity · Edward Thompson PhD, DIC, Mechanical Engineering, retired · David E. Thompson Professor Emeritus Mechanical Engineering and Computer Science, Dean Emeritus College of Engineering, University of Idaho BSME California Polytechnic, MBA University of California, lifetime · Roane Thorpe 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

United States of America continued Lecturer in Physics, The Pennsylvania State University - York Campus · Kip Trout BSEE, IEEE, US Veteran, 6 US Patents, Climate Data Researcher, Host of • Karl Michael Frederick Truitt the The Climate Change Hoax Podcast Chemist and Air Quality Expert Richard Trzupek · Mark Twaalfhoven **Executive CEO Technology Companies** · Mark Ulmer Esq., Mayor of Miami Shores, Florida, 1999-2001 · Jeffrey Vaughan Petroleum Geologist California • Peter Villucci MSc. Organic Chemistry, Lifetime science and communications professional • Arthur Viterito PhD, Physical Geography, Policy Adviser to the Heartland Institute • Dariusz Vogelsinger **Psychologist** • Brian Volkman PhD, Professor of Biochemistry, Medical College of Wisconsin · Whitson G. Waldo Scientist and Engineer with MS Chemical Engineering from Clemson Univ, lifetime career in the semiconductor industry, owner of 13 awarded patents · William B. Walters Guggenheim Fellow, Professor of Atmospheric, Nuclear and Environmental Chemistry, University of Maryland Professor of Physics, Presbyterian College • James Wanliss 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 Affaires • Dr. Steven C. Wendelken EPA, OGWDW/TSC, climate realist PhD, physical geography with specializations in climate science and · Gary S. Westerman 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 atopic disease · Jeff Wilmer B.Sc. Physics, Post Undergrad Studies: Atmospheric Physics &

population pathology with a special interest in immunopathology and

Chemistry, Industrial Capitalist and Innovator

• Steven Wilmoth Certified Petroleum Geologist

· Kevin Wilson PhD in Geological Sciences, Retired, former Professor and Researcher

on Plate Tectonics, Paleoclimate and Paleoceanography

· Terry Winters PhD in Chemistry, Writer, Member of CO2Coalition

 David Wojick Cognitive Scientist

• Dr. Calvin M. Wolff Adjunct Professor University of Houston at Clear Lake, Expertise in

Energy Management

· Michael Wood BSChE, MBA; former lead technical engineer in development of space

station and space launch vehicles

· Peter Wood PhD, President, National Association of Scholars

• Gregory R. Wrightstone Expert Reviewer IPCC, Geologist, Author, Executive Director CO2

Coalition

· Walter Yarbrough PhD, retired from Penn State

· Frank Yates Ir Past President of Yates Petroleum Corporation

· Dan Youra publisher Youra media, creator and editor of Carbon Tax News · Ronald B. Zelt Hydrologist, retired PH-WQ., U.S. Geological Survey (retired). · Matthew Ziska PhD, Director of Environmental Health and Safety at Elevation Labs

· Hannes Zuercher PhD Geophysics, Independent Geophysicist

· Bob Zybach Program Manager, Oregon Websites and Watersheds Project Inc.

1 SIGNATORY FROM VIETNAM



1 Signatory

• Dr. Thi Thuy Van Dinh

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



GLOBAL CLIMATE INTELLIGENCE GROUP

WWW.CLINTEL.ORG