# THERE IS NO CLIMATE Declaration THERE IS NO CLIMATE EMERGENCY



GLOBAL CLIMATE INTELLIGENCE GROUP

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## World Climate Declaration

# THERE IS NO CLIMATE EMERGENCY



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# There is no climate emergency

Climate science should be less political, while climate policies should be more scientific. Scientists should openly address uncertainties and exaggerations in their predictions of global warming, while politicians should dispassionately count the real costs as well as the imagined benefits of their policy measures

## Natural as well as anthropogenic factors cause warming

The geological archive reveals that Earth's climate has varied as long as the planet has existed, with natural cold and warm phases. The Little Ice Age ended as recently as 1850. Therefore, it is no surprise that we now are experiencing a period of warming.

## Warming is far slower than predicted

The world has warmed significantly less than predicted by IPCC on the basis of modeled anthropogenic forcing. The gap between the real world and the modeled world tells us that we are far from understanding climate change.

## Climate policy relies on inadequate models

Climate models have many shortcomings and are not remotely plausible as policy tools. They do not only exaggerate the effect of greenhouse gases, they also ignore the fact that enriching the atmosphere with  $CO_2$  is beneficial.

## CO<sub>2</sub> 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  $\rm CO_2$ -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  $\text{CO}_2$  policy proposed for 2050. Go for adaptation instead of mitigation; adaptation works whatever the causes are.

OUR ADVICE TO THE EUROPEAN LEADERS IS THAT SCIENCE SHOULD STRIVE FOR A SIGNIFICANTLY BETTER UNDERSTANDING OF THE CLIMATE SYSTEM, WHILE POLITICS SHOULD FOCUS ON MINIMIZING POTENTIAL CLIMATE DAMAGE BY PRIORITIZING ADAPTATION STRATEGIES BASED ON PROVEN AND AFFORDABLE TECHNOLOGIES.

To believe the outcome of a climate model is to believe what the model makers have put in. This is precisely the problem of today's climate discussion to which climate models are central. Climate science has degenerated into a discussion based on beliefs, not on sound self-critical science. Should not we free ourselves from the naive belief in immature climate models?



## The undersigned:

## WCD AMBASSADORS

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## TOTAL SIGNATORIES 1410



## SCIENTISTS AND PROFESSIONALS FROM ARGENTINA

1. Mauro Borsella, Environmental Consultant & Auditor



## SCIENTISTS AND PROFESSIONALS FROM AUSTRALIA

- 1. Ian Plimer, Professor Earth Sciences, The University of Melbourne; WCD Ambassador
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- 6. Rick Armstrong, retired metallurgist and strategic planner
- Michael Asten, Retired Professor in Geophysics and Continuing Senior Research Fellow at the Monash University, Melbourne
- 8. József Balla, retired teacher and manager of a small business
- 9. Stuart Ballantyne PhD, Senior Ship Designer, Sea Transport Corp.
- 10. Jeremy Barlow, Energy and Mining professional, Director and CEO
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- 15. Richard Blayden, Professional Engineer
- 16. Colin Boyce, Engineer, Member of Parliament, Queensland State Parliament, Engineer, Farmer and Entrepreneur
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- 18. Geoff Brown, Organizer of a Critical Climate Group
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- 32. Matt Crisanti BSc, UniSA, Science Faculty Coordinator at St. Columba College in 2008
- 33. Majorie Curtis, Retired Geologist, Stratigrapher and Palaeoclimatic Studies, Canberra
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- 35. Arthur Day, Earth Scientist, Specialist in Geochemical Modelling of Volcanic Processes
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- 42. Mike Elliott, Dux of School in Mathematics, Co-Founder of Climate Realists of Five Dock
- 43. Jeremy K. Ellis, Retired Chairman of BHP, now Chairman of the Saltbush Club Australia
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- 45. Matthew J. Fagan, Founder and President of FastCAM Inc.
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- 48. Robin George, Geologist, Canterbury
- 49. David Gibson, Experimental Physicist
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- 52. Paul R.C. Goard BSc Sydney University, Physics & Maths, + Two years geology, one year Chemistry, member of the Australian Meteorological & Oceanographic Society
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- 58. Lindsay Hackett BSc, Author of the paper "Global Warming Misunderstood" (https://www.scribd.com/document/383385011/) and the paper "The Impact of Greenhouse Gases on Earth's Spectral Radiance" (https://www.scribd.com/document/529064626/), Founding Member of the Saltbush Club in Australia
- 59. Maureen Hanisch PhD, Biochemistry, Medical Research 1997, Australian National University, Retired
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- 64. Jarvis Hayman, Retired Surgeon, Recently retired Archaeologist and Visiting Fellow at the Australian National University
- 65. Mark Henschke, Retired Geologist in Mining, Oil and Gas
- 66. Stewart Hespe, Consulting Civil and Forensic Engineer, Critic of Government Policy on Climate Related Matters
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- 71. Geraint Hughes, Climate Researcher, Mechanical Building Engineer, Climate Researcher

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- 73. David Hyde MEnvSt, Environmental Biology, Former Scientific Chairman of Australian Underwater Federation (NSW)
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- 75. Mr. Anthony Jackson, Bachelor of Arts degree, Bachelor of Laws degree, retired
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- 86. John Leisten OBE, Expert in Physical Chemistry
- 87. Brian Levitan, Worked for NASA, now Technology Consultant to Multinationals
- 88. Ian Levy, CEO Australian Bauxite Ltd.
- 89. Matthew David Linn, Fellow of the Institution of Engineers of Australia
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- 94. Gerard McGann, Technical Director Eon NRG
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- 96. John McLean, Author of First Major Review of HadCRUT 4 Climate Temperature Data, Member of New Zealand Climate Science Coalition
- 97. Toby McLeay, General Medical Practitioner AM, MBBS, FRACGP, FACRRM
- 98. Ross McLeod, Retired Environmental Health Officer
- 99. Peter R. Meadows, Agricultural Scientist
- 100. Paul Messenger PhD, Earth Science
- 101. John Michelmore, Retired Industrial Chemist
- 102. Des Moore, Former Deputy Secretary of the Federal Treasury, Founder and Leader of the Institute for Private Enterprise
- 103. 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"
- 104. Hugh Morgan, Prominent Australian Mining Executive, Fellow of the Australian Academy of Technology, Science and Engineering (FTSE)
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- 112. Robert Pyper, Geologist and Director of Minnelex Pty Ltd.
- 113. Tom Quirk, Nuclear Physicist
- 114. Art Raiche PhD, Mathematical Geophysics, Retired CSIRO Chief Research Scientist
- 115. Campbell Rankine, Barrister and Solicitor
- 116. Peter Ridd, Oceanographer and Geophysicist
- 117. Tim Riley, Mining Geologist
- 118. 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
- 120. Nigel Rowlands, Retired from Mining and Exploration Industry
- 121. George (Rob) Ryan, Professional Geologist
- 122. Judy Ryan, Editor Principia Scientific Institution Australia
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- 124. Tony Schreck, Managing Director, 35 yrs experienced geologist, Member of the Australian Institute of Geoscientists, Member of the Australian Institute of Company Directors
- 125. Pasquale Seizis, Mechanical Engineer, climate critic
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- 130. Peter Smith, Geologist (Retired), New South Wales
- 131. Darren Speirs, Independent Business Owner, Rangeland NRM Consultants
- 132. Geoffrey Stocker, Professor and Head of Department of Forestry, PNG University of Technology, Director of PNG Forest Research Institute
- 133. John Stone, Former Head of the Australian Treasury and Executive Director of both the IMF and the World Bank, Former Senator for Queensland in the Australian Parliament and Leader of the National Party in the Senate, Principal Founder of The H.R. Nicholls Society and the Principal Founder of The Samuel Griffith Society
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- 137. James Taylor, Electrical Aerospace and Astrophysics Engineer, Computer Modelling
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- 138. Rustyn Wesley Thomas, Retired Aircraft Engineer
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- 146. John Warnock, Astro Economist
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- 148. Alan C. Watts, Medical Practitioner specialized in Effects of Infrasound on Human Health
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- 151. Richard Willoughby, retired electrical engineer with thirty years experience in the Australian mining and mineral processing industry

- 152. Lawrence A. Wilson, Professional Chemical Engineer, Melbourne
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- 154. 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



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- 4. Dr. Eike Roth, retired physicist, author of several climate books, latest one in press: "Das große Klimarätsel: Woher kommt das viele CO2?"
- 5. Hans Dirk Struve, Dipl. Ing., Mechanical Engineer with large experience in business



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- 10. Ferdinand Engelbeen, Former Chemical Process Automation Engineer, Akzo Nobel Chemicals
- 11. Samuel Furfari, Professor of Energy Geopolitics at the Free University of Brussels
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- Mario de Carvalho Fontes Neto, Agronomist, Editor of "The Great Global Warming Swindle"
- 4. José Bueno Conti, Geographer and Professor of Climatology, Full Professor of the Geography Department at the University of Sao Paulo (USP)
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- 13. Geraldo Luis Saraiva Lino, Geologist, Author of 'How a Natural Phenomenon Was Converted into a False Global Emergency'
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- 16. Igor Vaz Maquieira, Biologist, Specialist in Environmental Management



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## SCIENTISTS AND PROFESSIONALS FROM CANADA



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- 9. Timothy J. Barrett PhD, Geochemical Researcher, Ore Systems Consulting
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- 11. Robert Douglas Bebb, Professional Engineer (Mechanical), MBA
- 12. Rick Beingessner, BSc, BA and LLB University of Alberta, lifetime experience in the Geo-Energy Industry, recently involved in researching Climate Change Matters
- 13. Jean Du Berger, Ingénieur Retraité, Bell
- 14. Alain Bonnier PhD, Physique, INRS-Centre de Recherche en Énergie, Montréal
- 15. Andrew Bonvicini, Professional Geophysicist, President of Friends of Science Society
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- 17. Michel Chapdelaine MSc, Géologie, Montréal
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- 22. 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
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- 30. Dr. George Duncan PhD, retired Environmental Consultant from A&A Environmental Consultants Inc.
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- 32. Ashton Embry, Research Geologist, Embry Holdings
- 33. David Fermor, Anaesthesiologist, B.A., M.D., FRCPC
- 34. Jeffrey Foss †, Professor of Philosophy of Science, University of Victoria
- 35. Joseph Fournier PhD, Expert in Physical Chemistry
- 36. Paul M. Gagnon, Professional Engineer
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- 38. Douglas Goodman, Life of time experience in the geo-energy industry
- 39. Kenneth B. Gregory, Professional Engineer, Director Friends of Science Society
- 40. Dr. Paul Hamblin, Retired Research Scientist Environment Canada, Advisor to the Georgian Bay Association
- Mark T. Hohm, Professional Engineer registered with the Association of Professional Engineers and Geoscientists of Alberta (APEGA)
- 42. 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)
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- 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
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- 50. Bogdan Kasprzak, Professional Geoscientist, life time experience in data modelling, data analysing and data interpretation
- 51. Madhav Khandekar, Expert Reviewer IPCC 2007 AR4 Report
- 52. David Koop BSc, Analytical Chemist
- Kees van Kooten, Professor of Economics and Canada Research Chair in Environmental Studies and Climate, University of Victoria
- Emil Koteles PhD in solid state physics, Max Planck Institute for Solid State Research in Stuttgart, GTE Labs in Waltham (Massachusetts), National Research Council of Canada in Ottawa (Ontario), visiting professor at Zhejiang University in Hangzhou,
- Jean Laberge, Professeur Retraité de Philosophie, CEGEP du Vieux Montréal 55.
- Sherri Lange, CEO North American Platform Against Wind Power, Great Lakes Wind
- 57. 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 59 Physics and Astronomy, University of Calgary
- Robert Ledoux PhD, Professeur Retraité en Géologie, Université Laval
- 61. Dick Leppky, Retired businessman and Independent Truth Seeker
- Richard Lewanski BsC (Hons) in Geophysics from the university of Manitoba, lifetime experience as an exploration geophysicist, founder and CEO of several exploration and production companies in the oil industry, as well as several private companies
- 63. H. Douglas Lightfoot, Research Engineer in the Chemical Industry, Co-Founder of the Lightfoot Institute, papers on Alternative Energy and Atmospheric CO2
- 64. Gerald Machnee, Retired Meteorologist, Environment Canada
- Allan M.R. MacRae, Retired Engineer
- 66. Paul MacRae, Independent Climate Researcher
- 67. J. David Mason, Applied Geologist, B.A.Sc, Applied Geology, M.Eng, 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 GHG quantification and regulation
- 70. Norman Miller, Former P.Eng, now Retired
- 71. 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 in Montreal, my research was focused primarily on energy, heat transfer, fluid mechanics and modeling
- 76. Robert Orr, Historical Linguist
- 77. Scott Patterson, Professional Geologist
- 78. Andy Pattullo, Associate Professor of Medicine at the University of Calgary
- Prof. David A. Penny PhD, Former Associate Professor, Dept. of Computer Science, University of Toronto, currently CTO at BlueCat Networks

- Jozinus Ploeg, retired Vice-President, Engineering and Technology, National Research Council, Field of expertise Energy transfer from atmosphere to surface of ocean, wave mechanics
- 81. Joe Postma, Research Analyst, Physics & Astronomy, University of Calgary
- 82. Brian R. Pratt, Professor of Geological Sciences, University of Saskatchewan
- 83. Gerald Ratzer, Professor Emeritus, Computer Science McGill University, Montreal
- 84. John Angus Raw, aerospace engineer, specialised in aerodynamics, life time career in the international aerospace industry
- 85. Dr. Michael Raw PhD in Mechanical Engineering, specialization in computer modelling of fluid flow and heat transfer, current field of work in technology management
- 86. Robert James Reid, BSF degree, Registered Professional Forester, lifetime experience in the forestry industry
- 87. Norman Reilly, Professor Emeritus of Mathematics, Simon Fraser University, British Columbia
- 88. Gérald Riverin PhD, Géologie, Géologue Retraité
- 89. Peter Salonius, Retired Research Scientist, Natural Resources
- 90. Marcelo C. Santos, Professor of Geodesy, University of New Brunswick
- 91. 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
- 93. Afshin Shahzamani, Retired professional (Medical Science Liaison) pharmaceutical industry
- 94. Élie Shama, Ingénieur Retraité en Électromécanique, Président d'Éconoden, Montréal
- 95. Wayne Shepheard MSc Geology, Retired oil and gas explorer
- 96. H.F. (Gus) Shurvell, Emeritus Professor of Chemistry, Queen's University
- 97. Brian Slack, Distinguished Professor Emeritus, Concordia University Montreal, Department of Geography, Planning and Environment
- 98. Rodolfo (Rudy) Spatzner, graduated from Environmental/Civil Engineering Technology, Humber College, Ontario, lifetime experience in wireless networks across North America
- Michelle Stirling, Writer/Researcher with focus on 'consensus' social proofs, Top 10% downloaded author on SSRN, Communications Manager, Friends of Science Society
- 100. Mary Taitt PhD Zoology, MSc Ecology, retired
- 101. Marc Vallée PhD, Geophysicien
- 102. 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
- 104. 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
- 105. Jean-Joel Vonarburg PhD, Professeur Ingénieur, Université du Québec à Chicoutimi
- 106. Dr. Ronald Voss PhD Chemistry, lifetime career in the environment department of a research consortium
- 107. Dr. Helen Warn PhD in Fluid Dynamics from McGill University
- 108. Dr. Thorpe W. Watson, material science, lifetime career in the mining industry with focus on intellectual property protection
- 109. Larry Weiers, energy engineer, retired, author of "Sustainability of the Modern Human Economy"  $\,$
- 110. William van Wijngaarden, Professor of Physics, York University
- 111. Ken Wilson, Professional Engineer (retired)



## SCIENTISTS AND PROFESSIONALS FROM CHILE

1. Douglas Pollock, Civil Industrial Engineer, University of Chile; WCD Ambassador



## SCIENTISTS AND PROFESSIONALS FROM CHINA / HONG KONG

- 1. Dr. Robert Hanson, PhD, BA (Hons), MA, LL.M, PGCE, CPE, Barrister
- Wyss Yim, Retired Professor, Department of Earth Sciences, The University of Hong Kong, Deputy Chairman Climate Change Science Implementation Team, UNESCO International year for Planet Earth 2007-2009, Expert Reviewer IPCC AR2

3. NG Young, Principal Geoscientist, Danxiashan Global Geopark of China



## SCIENTISTS AND PROFESSIONALS FROM COSTA RICA

 Eugenio G. Araya, Theoretical Physicist, Researcher, former scientist at University of Costa Rica



## SCIENTISTS AND PROFESSIONALS FROM REPUBLIC OF CROATIA

- 1. Dušan Bižić MSc, Meteorologist; WCD Ambassador
- 2. Zorislav Gerber MSc, Meteorologist



## SCIENTISTS AND PROFESSIONALS FROM CYPRUS

1. Darko Krstic, editor of https://philosophyofgoodnews.com/



## SCIENTISTS AND PROFESSIONALS FROM CZECH REPUBLIC

- 1. Pavel Dudr, Ing, Independent publicist and climatologist / Pravy prostor, EP Shark/
- 2. Marek Eiderna, Agricultural Engineer and graduated in General Biology
- Vaclav Hubiner, Retired Ambassador, Anthropologist, Climate Policy Commentator for www.forum24.cz
- 4. Pavel Kalenda PhD, CSc., Coal Expert
- 5. Václav Klaus, Former President of the Czech Republic, Professor of Economics, Founder of the Václav Klaus Institute
- Lubos Motl PhD, former Harvard faculty, high energy theoretical physicist, co-author of the 2009 NIPCC report
- 7. Ivan Spicka, Professor of Internal Medicine at Charles University with speciality in Hemato-Oncology, Prague
- 8. 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



## SCIENTISTS AND PROFESSIONALS FROM DENMARK

- Jens Morten Hansen PhD, Geology, Professor at Copenhagen University, Former Vice Managing Director for the Geological Survey of Denmark and Greenland, Former Director General for the Danish National Research Agency and National Research Councils, Former President of the Nordic Research Council under Nordic Council; WCD Ambassador
- 2. Bjarne Andresen, Professor of Physics, Niels Bohr Institute, University of Copenhagen
- Dr. Hans Götzsche, Emeritus Associate Professor, Linguistics and Philosophy of Science, President Nordic Associaton of Linguists (NAL), Director, Center for Linguistics, Aalborg University
- 4. Frank Hansen, Emeritus Professor, Department of Mathematics, University of Copenhagen
- 5. Sören Kjärsgaard, Professional Chemical Engineer
- 6. Johannes Krüger, Emeritus Professor, Dr. Scient, Department of Geosciences and Natural Resource Management, University of Copenhagen
- 7. Knud Larsen PhD, Natural Sciences
- 8. Peter Locht, Senior Lecturer, Business Academy Aarhus (statistics)
- 9. Peter Kjær Poulsen, Metering Engineer
- 10. Steen Rasmussen Bsc in Electrical Engineering from Denmark Technical University, lifetime career at IBM Denmark Aps
- 11. Niels Schrøder, Geophysist/Geologist, Associate Professor Institute of Nature and Environment, Roskilde University



## SCIENTISTS AND PROFESSIONALS FROM ESTONIA

 Andres Saukas, Diploma Electrical Engineer, Estonian Society of Moritz Hermann Jacobi





## SCIENTISTS AND PROFESSIONALS FROM ECUADOR

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

## SCIENTISTS AND PROFESSIONALS FROM FINLAND

- Simo Mykkanen, Ba Econ, small business owner, retired
- 2. Dr. Antero Ollila, Emeritus Adj. Ass. Professor Aalto University, expert in atmospheric modeling
- 3. Simo Ruoho, President Ilmastofoorumi ry Finland, Signature of association https:// ilmastofoorumi.fi including its scientists and professional members
- 4. Boris Winterhalter, Retired Marine Geology, Geological Survey of Finland



## SCIENTISTS AND PROFESSIONALS FROM FRANCE

- Benoît Rittaud, Assistant Professor of Mathematics at University of Paris-Nord, President of the French Association des climato-réalistes; WCD Ambassador
- Iean-Charles Abbé, Former Research Director at CNRS, Labs Director (Strasbourg, 2. Nantes) in Radiochemistry, Expert at NATO and IAEA
- 3. Pascal Acot, Centre National de la Recherche Scientific, Paris
- Bertrand Alliot, Environmentalist 4.
- Charles Aubourg, Full Professor at the University of Pau, Geophysicist 5.
- 6. Hervé Azoulay, Engineer (CNAM), Specialist of Networks and Systemics, CEO and President of several Associations
- 7. Guy Barbey, Alumnus of Harvard Business School, Retired Investment Banker, Founder and President of 'Climate et Vérité'
- 8. Jean-Pierre Bardinet, Ingénieur ENSEM, Publicist on Climate Issues
- Yorik Baunay, Geographer (Master 2) specialized in the natural risk and crisis 9. 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)
- 11. Serge Bellotto PhD, Geology
- Guy Bensimon, Retired Associate Professor of Economics at Institute of Political Studies of Grenoble (SciencesPo Grenoble)
- 13. Jean-Claude Bernier, Emeritus Professor (University of Strasbourg), Former Director of the Institute of Chemistry of the CNRS
- 14. Pierre Beslu, Former Researcher and Head of Department in the French Nuclear Energy Commission (CEA)
- 15. 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 16. Environmental Issues, Sewage Treatment)
- Jean-Louis Butré, Head of Laboratory at Grenoble Nuclear Research Center, Chief Executive Officer of the Pharmacie Centrale de France, President of Procatalyse, President of the Fédération Environnement Durable and the European Platform Against Windfarms, Knight of the National Order of Merit
- 18. 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
- 20. Patrick de Casanove, Doctor of Medicine, Chairman of the Cercle Frédéric Bastiat
- 21. Philippe Catier, Medical Doctor
- Bruno Chaumontet, Engineer ENSEA, specialized in Feedback Systems
- Pascal Chondrovannis, 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
- 27. Christian Coppe PhD, Organic & Analytical Chemistry
- 28. 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
- 30. Pierre Darriulat, Professor of Physics, Member of the French Academy of Sciences
- 31. Jean Davy, Engineer (ENSAM), Digital Modeling Software Developer
- 32. Dr. Stephen John Dearden, Retired Research Chemist, lifetime R&D experience in the general chemical, pharmaceutical and photographic industries
- 33. 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
- 34. Jean-Pierre Desmoulins, Retired Professor of Thermal and Energy Engineering at the "Institut Universitaire de Technologie, Université-Grenobles-Alpes"
- 35. Gérard Douhet PhD, Nuclear Physics, Retired Engineer at CERN, Technical Manager on Digital Transmission and Video Encoding
- 36. Hubert Dulieu, Emeritus Professor Applied Ecology, Formerly Senior Researcher in the CNRS, President of the National Scientific Research Committee, Vegetal Biology Section (XXVII)
- 37. Doctor Denis Dupuy, Urologist, climate realist
- 38. Bruno Durieux, Economist, Former Minister of Health and of Foreign Trade, Ancient Administrator of the French National Institute of Statistics and Economic Studies (INSEE)
- 39. Ralph Ellis, Bsc in Aviation, ATPL
- 40. Max Falque, International Consultant in Environmental Policy
- 41. Serge Ferry PhD, Retired Teacher-Researcher (MCF), University of Lyon
- 42. Patrick Fischer, Associate Professor in Applied Mathematics, University of Bordeaux
- 43. Michel Frenkiel, Engineer (Arts et Métiers), Former Researcher at NCAR in Boulder
- Francis le Gaillard PhD, Natural Sciences and Pharmaceutical Sciences, Emeritus Professor of Biochemistry at the Faculty of Pharmaceutical Sciences of Toulouse
- 45. François Gauchenot, Governance Specialist, Founder of Saint George Institute
- 46. Jean Gergelé, Engineer Graduate from the Ecole Centrale de Lyon, R&D Director, Freelance Consultant, mainly in the Li-ion battery development
- 47. Christian Gérondeau, Former Advisor of several French Prime Ministers, Formerly responsible for the Road Traffic Safety Policy for France and the European Union
- 48. Francois Gervais, Emeritus Professor of Physics and Material Sciences, University of Tours
- 49. Philippe Giraudin, Ecole Polytechnique Paris, Geographic Sciences
- 50. Bernard Grandchamp, Agronomic Engineer and Environment & Plant Defense Expert, Managing Director of Famoux Chateaux Viticoles in Bordeaux
- 51. Gilles Granereau, Former Meteorologist, currently Project Manager Environment and Tourism in a Public Institution, Worked on Coastal Risks, Marine Erosion, Sand Dune Fixation, Hydraulics, Forest Management, Botany
- 52. Maximilian Hasler, Associate Professor in Mathematics, University of French West Indies
- 53. Charles Hazan, Retired Chemist (ENSCP) and Chemical Engineer (UMIST) Former Technical Director Nosolor
- 54. Yvon Jarny, Emeritus Professor in Thermal and Energy Sciences, Nantes University
- 55. Claude Jobin, Retired A&M Engineer specialized in Microwave Communication
- 56. Vladimir Klein, lifetime career in renewable energy projects, patent holder in aerobic composting of organic waste
- 57. Alexandre Krivitzky, Psychoanalyst, Member of the International Psychoanalytical Association
- 58. Roger Lainé, Retired Geological Engineer
- 59. Philippe de Larminat, Professor at École Centrale de Nantes, specialist of Business Process Modeling
- 60. Jacques Laurentie, Aeronautical Engineer, and CEO of a software publishing company
- 61. René Laversanne, Researcher at the CNRS, 16 patents

- 62. Jean-Marie Longin, Engineer (Saint-Cyr), Chief of the Pole Operations of Security Inventory Management
- 63. Guy Lucazeau, Emeritus Professor (Institut Polytechnique de Grenobel) in Material Sciences and Spectroscopy
- 64. 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
- 66. Dr. Yves G. Maria-Sube PhD in Geosciences Montpellier University, lifetime career in the geo-energy industry
- 67. Paolo Martinengo, Applied Physicist, Senior Staff Member in the Experimental Physics Department, Detector Technologies Group, CERN
- 68. Patrick Mellett, Architect and CEO
- 69. Marc le Menn PhD, Head of Metrology-Chemistry Oceanography Lab, Brest
- 70. Henri Mertz, Ingénieur Civil de l'école de la Métallurgie et des Mines de Nancy, Chef d'Entreprises
- 71. Serge Monier, former manager of various multinational companies, at present Cofounder and Treasurer of 'Climat et Vérité'
- 72. 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
- 73. Jacques-Marie Moranne, Retired Engineer (Ecole Centrale de Lille), Specialist in Air and Water Purification, Chemical and Nuclear Engineering
- Serge Morin, Emeritus Professor Geography at Université Michel de Montaigne, Bordeaux, Honorary Mayer of Branne
- 75. Cédric Moro, Geographer on Natural Hazards Management, Co-Founder of Visov, a NGO in Civil Defense
- 76. Philippe Morvan, Engineer ENSTA and Génie Maritime, specialist in Software Development
- 77. Charles Naville, R&D Exploration Geophysicist, IFP Energies Nouvelles
- 78. Michel le Normand, Emeritus Professor of Botany and Plant Pathology and Chairman of Plant Production Department, National Superior School of Agronomy, Rennes
- 79. Ludovic Penin, former Senior Executive Chief Information Officer (IT) and former Entrepreneur/Investor, Co-founder and Vice-president of 'Climat et Vérité', member of 'Association des Climato-réalistes'
- 80. 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'
- 81. Rémy Prud'homme, Emeritus Professor in Economics at University of Paris-Est, Former Deputy-Director, Environment Directorate, OECD
- 82. Jean Marie Ravier, Engineer of ECOLE CENTRALE DE PARIS, and diplomed SCIENCES POLITIQUES PARIS, recently retired MD of small industrial company
- 83. Pierre Richard, Engineer ESPCI Paris, Former Research Geochemist at Institut de Physique du Globe de Paris (IPGP)
- 84. Pierre Ripoche, Engineer INSA in Chemistry, Retired Project Manager in R&D, Expert in High Temperature Plasma for Optical Fiber Process
- 85. Isabelle Rivals, Associate Professor in Statistics at ESPCI Paris
- 86. Betrand Rouffiange, Doctor of Medicine, specialized in Radiology
- 87. Jean Rouquerol, Emeritus Research Director at CNRS Marseille, Expert in Gas Adsorption and Calorimetry
- 88. Georges de Sablet, Retired Associate Professor at University of Paris Descartes, Formerly in charge of Operating Systems and Networks at IUT Paris
- 89. François Simonet PhD, Biology, Former Director for Planning and Foresight in a State Agency for Water and Aquatic Ecosystems Management
- Luc C. Tartar, mathematician, corresponding member of Académie des Sciences in Paris (since 1987), University Professor of Mathematics emeritus at CMU (Carnegie Mellon University, Pittsburgh, PA)
- 91. Marcel Terrier, Ex Engineers in Industry, Former Teacher at the Douai School of Mines
- 92. Michel Thizon, Chemical engineer, ACR (Association des Climato-Réalistes, France) member, former researcher at the Ecole Polytechnique, consultant, retired
- 93. 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)

- 94. Camille Veyres, Retired Engineer at École des Mines, specialist in Telecommunications and Broadband Networks
- Brigitte van Vliet-Lanoë, Geoscientist, Emeritus Research Director (CNRS, Université de Bretagne Occidentale), Stratigraphy and Paleoenvironments, Quaternary and Holocene
- 96. Théa Vogt, Retired CNRS Searcher, Géomorphology, Quaternary Palaeoenvironments, Soil and Desertification Remote Sensing
- 97. Henry Voron, Retired Civil Chief Engineer, specialized in Water Management

## SCIENTISTS AND PROFESSIONALS FROM GERMANY

- Fritz Vahrenholt, Professor (i.R.) am Institut für Technische und Makromolekulare Chemie der Universität Hamburg; WCD Ambassador
- 2. Detlef Ahlborn PhD, Expert on German Energy Transition (Energiewende)
- 3. Hans-Jürgen Bandelt, Emeritus Professor of Mathematics, University of Hamburg
- 4. Dietrich Bannert, Professor Honoris Causa, University of Marburg
- 5. Graham George Baumber, former Agronomist & Irrigation Crop Specialist, Business Man & Investor
- 6. Lars Birlenbach, Dr. in Chemistry, University of Siegen
- 7. Michael Bockisch, Emeritus Professor Chemistry at the Technical University of Berlin
- 8. Klaus-Dieter Böhme, Dipl. Physicist, professional experience in X-ray spectroscopy
- 9. Thomas Brey, Professor for Functional Ecology at University Bremen, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Helmholtz Institute for Functional Marine Biodiversity at the University Oldenburg (HIFMB)
- 10. Stephan Bujnoch, Wirtschaftsingenieur (i.e. a combination of Economics and Engineering), Retired Manager with the Automotive Industry
- 11. Eike-Mattias Bultmann, Geoscientist
- 12. Dr. Arthur Chudy, Agricultural Chemist OT Warsaw
- 13. Günter Dedié, Physicist
- 14. Dr. Ing. Rolf Diederichs, Studie Eisenhüttenkunde in Clausthal-Zellerfeld, climate realist
- 15. Prof. Dr. Klaus D. Döhler, Professor of Pharma sciences, University of Hannover
- 16. Wolf Doleys, Retired teacher (high school, college) and writer (essay, poetry, novel)
- 17. Joerg Dornemann Msc in Geology, lifetime career in the Geo-Energy Industry
- 18. Friedrich-Karl Ewert, Emeritus Professor Geology, University of Paderborn
- 19. Ludwig E. Feinendegen, Emeritus Professor Medicine
- 20. Dr. Dieter Freundlieb, Retired Senior Lecturer Griffith University, School of Humanities, Brisbane, Australia
- 21. Dr. Klaus-Jürgen Goldmann, worldwide experienced petroleum geologist
- 22. Christian Habermann, Dr. in Economics, Investment Manager
- 23. Eberhard Happe, Eisenbahningenieur
- Hermann Harde, Emeritus Professor of Experimental Physics and Materials Science, Helmut Schmidt-University, Hamburg
- 25. Prof. Dr. Bernd Hartke, Professor in Theoretical Chemistry, Expert Knowledge in Computer Modelling, University of Kiel
- 26. Manfred Hauptreif, Natural Scientist
- 27. Dr. Andreas Hoppe, Systems biologist, Institute for Bee Research
- 28. Prof. Axel Janke PhD, professor of evolutionary genomics
- 29. Professor Dr. Gerhard Kehrer, Retired Physician, Internist and Physiologist
- 30. Dr. Udo Kienle, Agricultural Scientist at University of Hohenheim
- 31. Werner Kirstein, Emeritus Professor of Climatology, University of Leipzig
- 32. Bernhard Kleinhenz, Collage teacher of Biologie, Chemistry and Physics
- 33. Stefan Kröpelin, Dr. in Geosciences, Free University of Berlin and University of Cologne (Retired), specialized in Climate Change of the Sahara
- 34. Max Kupillas, Dipl.-Ing. Masch.-Bau, retired Prod.Ltr.
- 35. Ulrich Kutschera, Professor of Plant Physiology & Evolutionary Biology at the University of Kassel and Visiting Scientist in Stanford USA
- 36. Michael Limburg, Vice-President EIKE (Europäisches Institute für Klima und Energie)
- 37. Dr. Stephan Lorenzen PhD Theoretical Biology, Bioinformatician, worked with nonlinear modelling

- 38. Professor Dr. Knut Löschke, studied crystallography, chemistry, physics, mathematics and computer science. He is an honorary professor at the University of Technology, Economics and Culture in Leipzig. As part of his work at the university, he deals with the energy industry and climate change
- Horst-Joachim Lüdecke, Professor of Operations Research (i.R.) HTW of Saarland, Saarbrücken
- 40. Wolfgang Merbach, Professor Dr. Agrar. Habil. at Institut für Agrar Ernährungswissenschaften
- 41. Lothar W. Meyer, Emeritus Professor of Material Engineering, Chemnitz University of Technology, Saxony Entrepreneur 'Nordmetall GmbH', Member of the Board of 'Vernunftkraft Niedersachsen'
- 42. Jens Möller, Graduate Economist, Climate Realist
- 43. Wolfgang Monninger PhD, lifetime career in Petroleum Geology (Exploration, Petrophysics)
- 44. Werner Mormann, Emeritus Professor of Macromolecular Chemistry, Universität Siegen
- 45. Dipl. Phys. Raimund Müller, education in physics and thermodynamics, climate realist
- 46. 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
- 48. Rainer Olzem, Diplom-Geologe, Aachen
- 49. Hans Penner PhD, Dipl.-Chem. Dr. rer. nat., Linkenheim-Hochstetten
- Michael Principato MSc in Electrical Engineering, specialised in Control Engineering and Modeling
- 51. Dieter Ramcke, retired geophysicist
- 52. Siegfried Reiprich, Dipl.-Ing, Geoscientist and Oceanography
- 53. Dr. Jens-Christoph Schneider PhD in Isotope Chemistry, life time career in palaeoclimate and atmospheric geochemistry
- 54. Dr. rer. nat. Michael Schnell, Retired chemist
- Prof. Dr. Dr. Karl-Heinz Schulz, Germany, University Hospital Hamburg-Eppendorf, interdisciplinary research in Medicine, Psychology and exercise science (https://www.researchgate.net/profile/Karl-Heinz-Schulz-2)
- 56. Dipl. Psych. Ulrike Schwan, Professional Psychotherapist, Psychotherapist look at the IPCC Organization
- 57. W.H. Eugen Schwartz, Emeritus Professor of Theoretical Chemistry, Universitaet Siegen
- 58. Attila Sonal, Dipl.-Ing. der Elektrotechnik, Retired am Technischen Universität Kaiserslautern, Stadtratsmitglied Kaiserslautern, Preisträger Ansaldo Ricerche Price
- 59. Dr. Fritz Sontheimer, Retired Physicist, PhD in Condensed Matter Physics
- 60. Dr. Wolfgang Strehlau, Phys. Chemist, Technology Fellow in Johnson Matthey Plc, UK
- 61. Lothar Strenge, strategy and concept developer, full time writing on a large SF project
- 62. Matthias Thiermann, Parliamentary adviser in the Bavarian Parliament
- 63. Dr. Holger Thuss, President EIKE Institute
- 64. Jost Trier PhD, Retired Experimental Physicist at the Federal Institute in Braunschweig, Dept. of Atomic Physics
- 65. Ralf D. Tscheuschner PhD in Physics
- 66. Carl-Otto Weiss, Emeritus Professor in Non-linear Physics, Advisor to the European Institute for Climate and Energy, Former President of the German Meteorological Institute, Braunschweig



## SCIENTISTS AND PROFESSIONALS FROM GREECE

- Stavros Alexandris, Associate Professor Agricultural University of Athens, Dept. of Natural Resources and Agricultural Engineering, Sector of Water Resources; WCD Ambassador
- 2. 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)

- r. Vassilios C. Kelessidis, former Professor at Khalifa University, Texas A&M at Qatar and Technical University of Crete Greece, Lifetime of Experience in Petroleum Engineering
- Christos J. Kolovos PhD, Mining & Metallurgy Engineer, Former Director of Mine Planning & Contractor Works Dept., Public Power Corporation of Greece
- 6. Emmanouil Kopanakis, Mechanical Engineer, Teacher at the Environmental Education Center of Karpenisi
- Demetris Koutsoyiannis, Professor of Hydrology and Analysis of Hydrosystems at the National Technical University of Athens
- 8. Aristotelis Liakatas, Emeritus Professor of the Agricultural University of Athens on Agrometeorology, Member of the Greek Agricultural Academy
- Nikos Mamassis, Associate Professor of Engineering Hydrology and Hydrometeorology at the National Technical University of Athens
- 10. Spyridon Nikiforos, Economist, MBA
- Sonia Perez PhD, Biology/Immunology, Scientific Coordinator Cancer Immunology and Immunotherapy Center Saint Savas Cancer Hospital, Athens



## SCIENTISTS AND PROFESSIONALS FROM GUATEMALA

1. Christopher Lingle PhD Economics Universidad Francisco Marroquín



## SCIENTISTS AND PROFESSIONALS FROM HUNGARY

- 1. Laszlo Szarka, Geophysicist, O.M.; WCD Ambassador
- 2. Dr. Dezso Csejtei, retired professor of philosophy at the University of Szeged
- 3. Dr. Endre Fuggerth, Chemist, lifelong experience in gas-chromatography
- 4. Istvàn Héjjas PhD, Retired R&D Electrical Engineering
- József Király, Chemical Engineer and one of the Authors of the Hungarian site www. klimarealista.hu
- Dr. Gábor Szász, Professor Emeritus, College Professor Dennis Gabor College Department of Economics and Engineering



## SCIENTISTS AND PROFESSIONALS FROM INDIA

- 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
- 2. Vijay Jayaraj, Research Associate at CO2 Coalition, Contributor to Cornwall Alliance
- 3. Sanjeev Sabhlok, Economist with focus on Climate and Energy Policy



## SCIENTISTS AND PROFESSIONALS FROM INDONESIA

1. Purwono Wahyudi, Entrepreneur and informed climate realist



## SCIENTISTS AND PROFESSIONALS FROM IRELAND

- Jim O'Brien, Founder of the Irish Climate Science Forum, Expert Reviewer of IPCC AR6; WCD Ambassador
- 2. Tom Baldwin, Electrical Engineer, specialist in Power System Security
- 3. Dr Timothy Dunne, DPsych, MSc, BA, ASFBPS, AFPSI, Consultant Clinical Psychologist, full member of the Psychological Society of Ireland and of the British Psychological Society
- 4. David Horgan, MA (Cambridge), MBA (Harvard), Resource Company Director
- 5. Seamus Hughes, BAgricSc, Specialist in Genetics
- 6. Mark Gerard Keenan, Former Science Advisor, Department of Energy and Climate Change, U.K., Former Environmental Affairs Officer, United Nations Environment Division, Geneva, Switzerland
- 7. Ultan Murphy, BSc (Hons) Chemistry, Industry Science Professional
- 8. Owen O'Brien, Business Founder and Entrepreneur, MBA, DBA
- 9. Patrick L O'Brien, MSc, MPhil, Senior International Environmental Consultant
- 10. Donal O'Callaghan, electrical engineer, retired food industry research scientist
- 11. J. Phillip 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 13.
- 14. Christian Schaffalitzky, FIMMM, Founder Institute of Geologists of Ireland, EurGeol
- 15. Norman Stewart PhD, former astrophysicist and meteorologist
- Brian N. Sweeney, Founding Chairman of Science Foundation Ireland
- 17. Pat Swords, BE, CEng, FIChemE, PPSE, CEnv, MIEA, Challenger of Over-Reach in **Environmental Legislation**
- 18. Sean Tangney, Business Entrepreneur, Former Technical Director, CRH plc
- David Thompson, BAgricSc, MA, Animal Nutritionist
- Edward Walsh, Former Chairman, Irish Council for Science, Technology and Innovation, Former Director Energy Research Group, Virginia Tech, USA



## SCIENTISTS AND PROFESSIONALS FROM ISRAEL

- 1. Dr. Gaby Avital PhD in Aerospace, member of the Israeli forum for rational environmentalism
- 2. Uriel Cohen, MSc in Computer Science from Technion - Israel Institute of Technology
- 3. Prof. Yonatan Dubi PhD, Professor of Theoretical Physics and Chemistry at Ben-Gurion University, co-founder of the Israeli Forum For Rational Environmentalism
- 4. Yakov Itenberg, BSc of Meteorology and Climatology, MSc of Physics Education, 25 years reserve meteorological officer of Israeli Defense Forces Home Front Command
- Nir J. Shaviv PhD in Physics at the Israel Institute of Technology, Professor of Physics 5. at the Racah Institute at the The Hebrew University of Jerusalem



## SCIENTISTS AND PROFESSIONALS FROM ITALY

- Alberto Prestininzi, Professore di Rischi Geologici, Honorary Cherman NHAZCA Università of Rome Sapienza, già Scientific Editor in Chief della Rivista Internazionale IJEGE e Direttore del Centro di Ricerca, Previsione, Prevenzione e Controllo dei Rischi Geologici (CERI); WCD Ambassador
- 2. Pietro Agostini, Ingegnere, Associazione Scienziati e Tecnologi per la Ricerca Italiana
- 3. Piero Baldecchi, Lettore
- 4. Achille Balduzzi, Geologo, Agip-Eni
- 5. Antonio Ballarin, Fisico, "Chief Artificial Intelligence Officer" di una pubblica amministrazione
- Cesare Barbieri, Professore Emerito di Astronomia, Università di Padova 6.
- 7. Donato Barone, Ingegnere
- Sergio Bartalucci, Fisico, Presidente Associazione Scienziati e Tecnologi per la Ricerca 8.
- 9. Giuseppe Basini, Astrofisico, Deputato, già dirigente di Ricerca dell'INFN
- Franco Battaglia, Professore di Chimica Fisica, Università di Modena, Movimento Galileo 2001
- 11. Marco Benini, Ingegnere Idraulico, Libero Professionista
- 12. Eliseo Bertolasi, Dottore di Ricerca in Antropologia Culturale
- 13. Giorgio Bertucelli, Ingegnere, già Dirigente Industriale, ALDAI
- 14. Alessandro Bettini, Professore Emerito (Fisica) Università di Padova
- 15. Antonio Bianchini, Professore di Astronomia, Università di Padova
- Luciano Biasini, Professore Emerito, già Docente di Calcoli Numerici e Grafici, Direttore dell'Istituto Matematico e Preside della Facoltà di Scienze Matematiche, Fisiche e Naturali dell'Università di Ferrara
- 17. Paolo Blasi, Professore Emerito (Fisica) e già Rettore dell'Università di Firenze, già Presidente della Conferenza dei Rettori delle Università Italiane
- 18. Enrico Bongiovanni, Dottore Commercialista
- 19. Paolo Bonifazi, Ex Direttore dell'Istituto di Fisica dello Spazio Interplanetario (IFSI) dell'Istituto Nazionale Astrofisica (INAF)
- 20. Roberto Bonucchi, Insegnante in Pensione
- 21. Giampiero Borrielli, Ingegnere
- 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
- 24. Gianfranco Brignoli, Geologo
- 25. Marcello Buccolini, Professore di Geomorfologia, Università di Chieti-Pescara
- 26. Paolo Budetta, Professore di Geologia Applicata, Università di Napoli
- 27. Antonio Maria Calabrò, Ingegnere, Ricercatore, Consulente
- 28. Monia Calista, Ricercatore di Geologia Applicata, Università di Chieti-Pescara
- 29. Cristiano Carabella, Geologo, Borsista presso l'Università di Chieti
- Giovanni Carboni, Professore di Fisica, Università di Roma Tor Vergata, Movimento Galileo 2001
- 31. Peppe Caridi
- Franco Casali, Professore di Fisica, Università di Bologna e Accademia delle Scienze di Bologna
- 33. Dr. Agronomo Fausto Cavalli, Agronomist, specialisation in meteorology
- 34. Giuliano Ceradelli, Ingegnere e Climatologo, ALDAI
- 35. Augusta Vittoria Cerutti, Membro del Comitato Glaciologico Italiano
- 36. Franco Di Cesare, Dirigente, Agip-Eni
- 37. Alessandro Chiaudani PhD, Agronomo, Università di Chieti-Pescara
- 38. Luigi Chilin, Dirigente in Pensione
- Claudio Ciani, Relazioni Internazionali, Scienza Politica, Università di Roma La Sapienza
- Edoardo Cicali, Membro del C.I.R.N (Comitato Italiano Rilancio del Nucleare) e dell'associazione "Atomi per la pace", ex Dipendente di un Centro Medico Radiologico ed Attualmente Impiegato nel Settore dell'Informatica
- 41. Pino Cippitelli, Geologo Agip-Eni
- 42. Carlo Colomba
- 43. Enrico Colombo, Chimico, Dirigente Industriale
- 44. Vito Comencini, Onorevole, Membro della Camera dei Deputati Italiana dal 2018
- 45. Enrico Conti, Physicist, Istituto Nazionale di Fisica Nucleare (INFN)
- 46. Ferruccio Cornicello, Fotografo e Lettore di Studi sul Clima
- 47. Domenico Corradini, Professore di Geologia Storica, Università di Modena
- 48. Carlo Del Corso, Ingegnere Chimico
- 49. Uberto Crescenti, Professore Emerito di Geologia Applicata, Università di Chieti-Pescara, già Magnifico Rettore e Presidente della Società Geologica Italiana
- 50. Fulvio Crisciani, Professore di Fluidodinamica Geofisica, Università di Trieste e Istituto Scienze Marine, Cnr, Trieste
- 51. Salvatore Custodero
- 52. Francesco Dellacasa, Ingegnere, Amministratore di Società nel settore Energetico
- 53. Alessandro Demontis, Perito Chimico Industriale, Tecnico per la Gestione delle Acque e delle Risorse Ambientali, Pomezia
- 54. Serena Doria, Ricercatore di Probabilità e Statistica Matematica, Università di Chieti-Pescara
- 55. Roberto d'Arielli, Geologo, Borsista presso l'Università di Chieti
- 56. Carlo Esposito, Professore di Rischi Geologici, Università di Roma La Sapienza
- 57. Gianluca Esposito, Geologo
- 58. Prof. Stefano Falcinelli PhD, Professor of Chemistry and Materials Technology, Department of Civil and Environmental Engineering, University of Perugia
- 59. Antonio Mario Federico, Professore di Geotecnica, Politecnico di Bari
- 60. Aureliano Ferri, Vicepresidente Associazione Piceno Tecnologie
- 61. Maurizio Fiorelli, Sommelier Professionale, studioso dell'evoluzione nella Coltivazione delle Vigne
- 62. Mario Floris, Professore di Telerilevamento, Università di Padova
- 63. Gianni Fochi, Chimico, Ricercatore in Pensione della Scuola Normale Superiore, Giornalista Scientifico
- 64. Sergio Fontanot, Ingegnere
- 65. Luigi Fressoia, Architetto Urbanista, Perugia
- 66. Mario Gaeta, Professore di Vulcanologia, Università di Roma La Sapienza
- 67. Sabino Gallo, Ingegnere Nucleare e Scrittore Scientifico
- 68. Giuseppe Gambolati, Fellow della American Geophysical Union, Professore di Metodi Numerici, Università di Padova

- 69. Alessio Del Gatto, Liceo Scientifico, Collaboratore Attivita Solare.it
- 70. Rinaldo Genevois, Professore di Geologia Applicata, Università di Padova
- 71. Umberto Gentili, Fisico dell'ENEA, Climatologo per il Progetto Antartide, ora in pensione
- 72. Enrico Ghinato, Perito Fisico
- 73. Mario Giaccio, Professore di Tecnologia ed Economia delle Fonti di Energia, Università di Chieti-Pescara, già Preside della Facoltà di Economia
- 74. Daniela Giannessi, Primo Ricercatore, IPCF-CNR, Pisa
- 75. 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
- 77. Alberto Guidorzi, Agronomo
- 78. Roberto Habel, Professore di Fisica Medica, Università di Cagliari
- 79. Thomas Kukovec, Tropical Agronomist and Subtropical Field Biologist in the private sector, specialised in semi-arid agriculture, ecophysiology and phytogeography of Sahelian and Saharan plants. Scientific adviser and consultant in research-projects and learned societies
- Alberto Lagi, Ingegnere, Presidente di Società Ripristino Impianti Complessi Danneggiati
- 81. Dr Francesco Lamberti PhD in Material Science of the University of Padova, working on next generation PV
- 82. Luciano Lepori, Ricercatore IPCF-CNR, Pisa
- 83. Carlo Lombardi, Professore di Impianti Nucleari, Politecnico di Milano
- 84. Walter Luini, Geometra
- 85. Roberto Madrigali, Meteorologo
- 86. Angelo Maggiora PhD, INFN Senior Researcher, more than 40 years experience in research at CERN, Saclay, Dubna and Frascati
- 87. Franco Maloberti, Emeritus Professor, expert on microelectronics and modelling
- 88. Ettore Malpezzi, Ingegnere
- 89. Vania Mancinelli, Geologo, Borsista presso l'Università di Chieti
- 90. Ludovica Manusardi, Fisico Nucleare e Giornalista Scientifico, UGIS
- 91. Luigi Marino, Geologo, Centro Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza
- 92. Alessandro Martelli, Ingegnere, già Dirigente ENEA
- 93. Paolo Martini, consultant petroleum geologist with 30+ years of experience
- 94. Salvatore Martino, Professore di Geologia Applicata all'Ingegneria al Territorio ed ai Rischi, Università di Roma "Sapienza"
- 95. Maria Massullo, Tecnologa, ENEA-Casaccia, Roma
- 96. Enrico Matteoli, Primo Ricercatore, IPCF-CNR, Pisa
- 97. Paolo Mazzanti, Professore di Interferometria Satellitare, Università di Roma La Sapienza
- 98. Adriano Mazzarella, Professore di Meteorologia e Climatologia, Università di Napoli
- 99. Marcello Mazzoleni, Docente e imprenditore nel settore della formazione, fondatore del sito web MeteoSincero
- 100. Carlo Merli, Professore di Tecnologie Ambientali, Università di Roma La Sapienza
- 101. Enrico Miccadei, Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara
- 102. Gabriella Mincione, Professore di Scienze e Tecniche di Medicina di Laboratorio, Università di Chieti-Pescara
- 103. Umberto Minopoli, Presidente dell'Associazione Italiana Nucleare
- 104. Alberto Mirandola, Professore di Energetica Applicata e Presidente Dottorato di Ricerca in Energetica, Università di Padova
- 105. 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
- 106. Maurizio Montuoro, Medico
- Maria Luisa Moriconi, CNR researcher at Institute of Atmospheric Physics (retired) and associate to INAF until 2020
- 108. Renzo Mosetti, Professore di Oceanografia, Università di Trieste, già Direttore del Dipartimento di Oceanografia, Istituto OGS, Trieste
- Daniela Novembre, Ricercatore in Georisorse Minerarie e Applicazioni Mineralogichepetrografiche, Università di Chieti-Pescara

- 110. Francesco Oriolo, Professore di Impianti Nucleari, Università di Pisa
- Paolo Emmanuele Orrù, Professore di Geografia Fisica e Geomorfologia, Università di Cagliari
- 112. Sergio Ortolani, Professore di Astronomia e Astrofisica, Università di Padova
- 113. Giorgio Paglia, Geologo, Borsista presso l'Università di Chieti
- 114. Massimo Pallotta, Primo Tecnologo, Istituto Nazionale Fisica Nucleare
- 115. Antonio Panebianco, Ingegnere
- 116. Giuliano Panza, Professore di Sismologia, Università di Trieste, Accademico dei Lincei e dell'Accademia Nazionale delle Scienze, detta dei XL, vincitore nel 2018 del Premio Internazionale dell'American Geophysical Union
- 117. Antonio Pasculli, Ricercatore di Geologia Applicata, Università di Chieti-Pescara
- 118. 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
- 120. Corrado Penna, Docente di Matematica
- 121. Enzo Pennetta, Professore di Scienze Naturali e Divulgatore Scientifico
- 122. Gianni Pettinari, Impiegato Amministrativo, Fondatore del gruppo Facebook: "Falsi allarmismi sul riscaldamento globale"
- 123. Alessandro Pezzoli, Ricercatore Universitario e Professore aggregato in Weather Risk Management, Politecnico di Torino e Università di Torino
- 124. Tommaso Piacentini, Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara
- 125. Stefano De Pieri, Ingegnere Energetico e Nucleare
- 126. Paolo M.J. Pilli, Pensionato
- 127. Mirco Poletto, Geologo libero professionista, registered at 'Ordine dei geologi del Veneto'
- 128. Andrea Pomozzi, Presidente Associazione Piceno Tecnologie
- 129. Guido Possa, Ingegnere Nucleare, già Viceministro del Ministero dell'Istruzione, Università e Ricerca con delega alla Ricerca
- 130. Giorgio Prinzi, Ingegnere, Direttore Responsabile della Rivista "21mo Secolo Scienza e tecnologia"
- 131. Franco Prodi, Professore di Fisica dell'Atmosfera, Università di Ferrara
- 132. Franco Puglia, Ingegnere, Presidente CCC, Milano
- 133. Francesca Quercia, Geologo, Dirigente di Ricerca, Ispra
- 134. Nunzia Radatti, Chimico, Sogin
- 135. Arnaldo Radovix, Geologo, Risk Manager in Derivati Finanziari
- 136. Mario Luigi Rainone, Professore di Geologia Applicata, Università di Chieti-Pescara
- 137. Mario Rampichini, Chimico, Dirigente Industriale in Pensione, Consulente
- 138. Arturo Raspini, Geologo, Ricercatore, Istituto di Geoscienze e Georisorse (IGG), Consiglio Nazionale delle Ricerche, Firenze
- 139. 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
- 140. Marco Ricci, Fisico, Primo Ricercatore, Istituto Nazionale di Fisica Nucleare
- 141. Renzo Riva, Comitato Italiano Rilancio Nucleare (C.I.R.N.), Buja
- 142. PierMarco Romagnoli, Ingegnere, Milano
- 143. Vincenzo Romanello, Ingegnere Nucleare, Ricercatore presso il Centro di Ricerca Nucleare di Rez, Repubblica Ceca
- 144. Piergiorgio Rosso, Ingegnere Chimico
- 145. Stefano Rosso, Insegnante di Geografia, Storia e Italiano, Scuola Secondaria, Modena
- 146. Alberto Rota, Ingegnere, Ricercatore presso CISE ed ENEL, Esperto di Energie Rinnovabili
- 147. Ettore Ruberti, Ricercatore ENEA, Docente di Biologia Generale e Molecolare
- 148. Giancarlo Ruocco, Professore di Struttura della Materia, Università di Roma La Sapienza
- 149. Sergio Rusi, Professore di Idrogeologia, Università di Chieti-Pescara
- 150. Massimo Salleolini, Professore di Idrogeologia Applicata e Idrogeologia Ambientale, Università di Siena
- 151. Nicola Scafetta, Professore di Fisica dell'Atmosfera e Oceanografia, Università di Napoli

- 152. Emanuele Scalcione, Responsabile Servizio Agrometeorologico Regionale ALSIA,
  Rasilicata
- 153. Nicola Sciarra, Professore di Geologia Applicata, Università di Chieti-Pescara
- 154. Francesco Sensi, Generale di Divisione Aerea (R)
- 155. Massimo Sepielli, Direttore di Ricerca, ENEA, Roma
- 156. Leonello Serva, Geologo, Accademia Europa delle Scienze e delle Arti, Classe V, Scienze Tecnologiche e Ambientali, già Direttore Servizio Geologico d'Italia
- 157. Roberto Simonetti, Geologo, R&D c/o Azienda S.I.I.
- 158. Elio Sindoni, Professore Emerito dell'Università di Milano Bicocca
- Enzo Siviero, Professore di Ponti, Università di Venezia, Rettore dell'Università e-Campus
- 160. Rinaldo Sorgenti, Deputy Chairman of ASSOCARBONI
- Ugo Spezia, Ingegnere, Responsabile Sicurezza Industriale, Sogin, Movimento Galileo
   2001
- 162. Luigi Stedile, Geologo, Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza
- 163. Emilio Stefani, Professore di Patologia Vegetale, Università di Modena
- 164. Flavio Tabanelli, Fisico
- 165. Maria Grazia Tenti, Geologo
- 166. Umberto Tirelli, Visiting Senior Scientist, Istituto Tumori d'Aviano, Movimento Galileo 2001
- 167. Giorgio Trenta, Fisico e Medico, Presidente Emerito dell'Associazione Italiana di Radioprotezione Medica, Movimento Galileo 2001
- 168. Roberto Vacca, Ingegnere e Scrittore Scientifico
- Gianluca Valensise, Dirigente di Ricerca, Istituto Nazionale di Geofisica e Vulcanologia, Roma
- 170. Prof. Paolo Sebastiano Valvo PhD Associate Professor of Solid and Structural Mechanics, University of Pisa
- 171. Corrado Venturini, Professore di Geologia Strutturale, Università di Bologna
- 172. Benedetto De Vivo, Professore di Geochimica in Pensione dall'Università di Napoli, ora Professore Straordinario presso Università Telematica Pegaso, Napoli
- 173. Andrea Zaccone, Geologo, Dirigente Protezione Civile Regione Lombardia
- 174. Luigi Zanotto, Docente in Pensione
- 175. Franco Zavatti, Ricercatore di Astronomia, Università di Bologna
- 176. Antonino Zichichi, Professore Emerito di Fisica, Università di Bologna, Fondatore e Presidente del Centro di Cultura Scientifica Ettore Majorana di Erice



## SCIENTISTS AND PROFESSIONALS FROM JAPAN

- 1. Masayuki Hyodo, Professor of Earth Science, Kobe University
- 2. Yoshihiro Muronaka, Professional Engineer, PE Office President, Energy & Environment
- 3. Mototaka Nakamura, Atmospheric and Oceanic Scientist (ScD in Meteorology, MIT)
- 4. Dr. Hiroshi L. Tanaka, Professor in Atmospheric Science, Centre for Computational Sciences, University of Tsukuba



## SCIENTISTS AND PROFESSIONALS FROM MALAYSIA

1. Chris Schoneveld, Earth Scientist and Retired Shell Exploration Geophysicist



## SCIENTISTS AND PROFESSIONALS FROM MEXICO

- 1. Rubén Coronal Méndez, Master degree in Applied Economics, Industrial Engineer
- 2. Luis Frausto, Chemical Engineer
- 3. Armando Páez PhD, Urbanism, Expert in Sustainability and Energy Transitions
- 4. Victor Manuel Velasco Herrera PhD, Space Engineer



## SCIENTISTS AND PROFESSIONALS FROM THE NETHERLANDS

 Prof. Dr. Ir. Guus Berkhout, Emeritus Professor of Geophysics, Delft University of Technology, Member of the Royal Netherlands Academy of Arts and Sciences; WCD Ambassador

- Dr. Cornelis le Pair, Physicist, Former CEO Physics & Technology Research Organisations;
   WCD Ambassador
- 3. 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
- 4. Maarten van Andel, Author of the 'Groene Illusie'
- 5. 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
- 7. René Bakers, Former Lawyer and Attorney Liability and Insurance
- 8. Dr. Thomas W. Bakker, Lifetime Experience in the Geo-energy Industry, Founder and former (or retired) CEO of Well Engineering Partners BV
- Robert Becht, Lifetime R&D Experience in Water Management with emphasis on water management in East Africa
- 10. Frans van den Beemt, Nuclear Physicist, Former Program Director Technology Foundation STW
- 11. 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)
- 12. Jim van Beusekom, Retired Captain B747-400 with KLM, 35 years observational knowledge of the Earth's atmosphere
- 13. Andre Bijkerk, Retired Officer Royal Dutch Air Force, now Climate Researcher
- 14. Dr. Frans Bijlaard, professor-emeritus steel constructions, TU Delft
- 15. Dr. Ruud Binnekamp Msc. Integral Design and Management, teacher and researcher in design and decision systems at TU Delft
- 16. Peter Bloemers, Emeritus Professor of Biochemistry, Radbout University, Nijmegen
- 17. Albert F.T. de Booij †, Founder Speakers Academy Int. BV, Founder en CEO World of Consciousness.com, Co-Founder met Pim Fortuyn van de politieke partij LPF in 2002 met als doel: oprichting zakenkabinet
- 18. Hans Bouman MSc, Chemistry, Professional in Production Technology and Asset Management
- 19. Ben Braam Msc in Physics, lifetime career in space instrumentation
- 20. 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
- 22. Paul Cliteur, Professor of Legal Sciences, Member of the Senate of The Netherlands
- 23. Albert J.H.G. Cloosterman, Retired Chemical Engineer, Publicist on Climate and Cosmological Matters
- 24. Charles Coleman, former executive Olivetti Group International
- 25. Marcel Crok, Climate Researcher and Science Journalist
- 26. Gerhard Diephuis MSc, Geosciences, specialized in Geophysics, Lifetime Experience in the Geo-Energy Industry, Guest Lecturer TU Delft
- 27. Henck van Dijck, Sculptor, designer and innovator
- 28. David E. Dirkse, Former Computer Engineer and Teacher Mathematics
- Dr. Tjibbe Dokter MBA, Expert in Scenario Analysis and Risk Assessment, retired from AkzoNobel
- 30. Marco Draaisma, ICT Process Coördinator
- 31. Dr. Jan W. Drukker, Emeritus Professor Industrial Design Delft University of Technology, University of Twente and (Visiting Professor) Tsinghua University (Beijing PRC). Elected Member Regional Parliament of the Dutch Province Drenthe
- 32. Arjan Duiker, Process Technologist at Tata Steel, specialist on Thermodynamics and Fluid Mechanics
- 33. Louw Feenstra, Emeritus Professor Erasmus University and Philosopher, Rotterdam
- Arnold Fellendans, Physics at TU Delft, 40 years at Unilever (retired), www. omdeaarde.nl
- 35. Frans Galjee, Mechanical Engineer, Retired Researcher at ECN
- 36. Henk Goemans MSc, Geosciences, specialized in Reservoir Engineering
- 37. Frans H Gortemaker, Former Vice president Unilever Global R&D
- 38. W. J. Evert van de Graaff, Consulting Geologist, 50+ years Global Experience
- 39. Ton J.T. Grimberg, Oil & Gas Professional, Finance Adviser
- 40. Kees de Groot, Former Director Upstream Research Lab. Shell

- 41. 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
- 43. Leo Halvers, Former Director Billiton Research Arnhem and Former Director Technology Foundation STW
- 44. Hans Hamaker, University Degree in Phonetic Sciences, expert in biomechanics of speech, supporter of plasma cosmology, former wireless communication officer
- 45. Maarten Hardon BSc, Civil Engineering, Lifetime Experience in Offshore Industry, Director Venty BV
- 46. Eduard Harinck, Former Logistics Expert, Nedlloyd Group/KPMG Consulting
- Godard Hazeu MSc, Geoscciences, specialized in Geology, past Technical Director of the Dutch State Oil and Gas Company EBN
- 48. Edward Heerema Msc in Civil Engineering TU Delft, President of Allseas, worldwide active in offshore pipelaying and platform lifting
- 49. J.R Hetzler, Retired WUR Engineer Forestry Economics
- 50. Dr. Tom van der Hoeven, Energy Transport Modeling Expert
- Jan F. Holtrop, Emeritus Professor of Petroleum Engineering, Delft University of Technology
- 52. Hans Hombroek MSc, Geoscience, Lifetime Experience in the International Geo-Energy Industry
- 53. Tom Hoornstra, Air-conditioning Engineer
- 54. Jan Horstink, Earth Scientist, Exploration Projects Oil & Gas ME & FE
- 55. A. Huijser, Physicist and Former CTO Royal Philips Electronics
- 56. Jan C. de Jong Msc Process Engineering TU Delft, expert in energy-and thermal process engineering, lifetime career in the oil and gas industry
- 57. Jan de Jong, former director Sampo Industrial Insurance NV. Benelux and Electrorisk Verzekeringsmaatschappij N.V.
- 58. Wouter J. Keller, Emeritus Professor of Statistical Methods, Former Member Board of Directors, Central Bureau of Statistics (CBS)
- Jacques van Kerchove, Economist and Marketeer, Former CFO Rabobank, now Climate and Environment Researcher
- 60. Rob de Kok, Principal Geophysicist, researching Influence of CO2 on Atmospheric Temperatures
- 61. Hans Kolmschate, Chemical Engineer, University of Twente
- 62. Henk de Koning MSc, former Principal Management Consultant Atos Consulting with specialisation Logistics, IT and Information Security
- 63. Rob W.J. Kouffeld †, Emeritus Professor of Energy Conversion, Delft University of Technology
- 64. Hans H.J. Labohm, Former Expert Reviewer IPCC
- 65. Arjan Lenoir, MSc Industrial Sciences
- 66. B.G. Linsen, Former Director Unilever Research Vlaardingen
- 67. Jaap M. van Luijk, Msc. Petroleum Engineering, lifetime experience in the international geo-energy industry
- 68. Pieter Lukkes, Emeritus Professor of Economic and Human Geography, University of Groningen
- 69. Hugo Matthijssen, Former Teacher Meteorology, now Publicist on Climate Matters
- 70. Dr. Rob Mooij, PhD in Nuclear Physics at University of Utrecht, MS Computer Science at Drexel University, Philadelphia, Retired as Medical Physicist from University of Pennsylvania
- 71. Ir. J.M. Mulderink, Former General Director Akzo-Nobel
- 72. Rob Nijssen, Radar Engineer and Publicist on Climate Matters
- 73. Rutger van den Noort PhD, Advisor in Innovation Processes, CEO Newcalf
- 74. Dr. Chris Oldenhof PhD in Photochemistry, Retired from the Dutch chemical company
- 75. Peter Oosterling, Former Scientist E & P Shell, now active as Climate Researcher
- 76. Kees Pieters, Mathematician, Former Operational Research and ICT manager at Shell
- 77. Robert J van der Plas MSc Applied Physics, MSc Development Studies, Sustainable Energy Management and Development Specialist
- 78. Reynier Pronk, Former IT Manager, Accredited Project Management Consultant and Trainer
- 79. Paul Ras Msc Geophysics TU Delft, Geophysical Consultant, climate realist

- 80. Ir B. Peter Rauwerda Msc. in nuclear engineering, TU Delft
- 81. Louis M.P.T. van den Reek, PharmD, Member of 'De Groene Rekenkamer'
- 82. Jan C. Reinoud, retired CEO Dutch chain of Supermarkets
- 83. Kees Remi, Electrical Engineer, lifetime experience in Energy Distribution and Industrial Automation
- 84. Joseph Reynen, Finite Element Modeling Expert, Retired from EU Joint Research Centre in Ispra, Emeritus Associate professor TU Delft
- 85. G.T. Robillard, Emeritus Professor of Biochemistry and Biophysics
- 86. Jaap Romijn Msc in Civil Engineering TU Delft, lifetime experience in water management projects
- 87. Kees Roos, Emeritus Professor of Optimization Technology, Delft University of Technology
- 88. Rutger van Santen, Emeritus Professor of Anorganic Chemistry and Catalysis, Former Rector Magnificus, Eindhoven University
- 89. Don Schäfer, Former Director Shell Exploration & Production and New Business, Shell
- 90. Dr. Rob Schoevaart, Biocatalist, Co-founder and Managing Director of ChiralVision, being specialised in making chemical processes greener
- 91. Frans Schrijver, Strategy Consultant and Climate Publicist
- 92. Bert Sigmond, Geologist, Founder of EuGeNe Company in Geothermal Energy
- 93. Hendrick Smit, Chemical Engineer, specialised in Environmental Instrumentation
- 94. Jos de Smit, Emeritus Professor of Stochastic Operations Research and Former Rector Magnificus of the University of Twente
- 95. Barend-Jan Smits, Geologist, Former Director of Wintershall Nederland, BASF Group
- 96. Jack van Soest BSc, Geography teacher (retired)
- 97. 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
- Albert Stienstra †, Emeritus Professor of Computer Simulation and Micro-Electronics, Delft University of Technology
- 99. P.J. Strijkert, Former Member Board of Directors of DSM, Delft
- 100. Hans van Suijdam, Former Executive Vice President Research and Development DSM
- 101. Dick Swart, MSC; worldwide drilling expert, lifetime of experience in the geo-energy industry
- 102. Dr. Harry C. M. de Swart, Emeritus Professor of Logic and Language Analysis, University of Tilburg and Erasmus University Rotterdam, Author of the book 'Philosophical and Mathematical Logic'
- 103. Peter van Toorn, Former Research Geophysicist Shell
- 104. Fred Udo, Emeritus Professor of Nuclear Physics, Vrije Universiteit Brussels
- 105. Ir. Arnold Uijlenhoet, retired electrical engineer with degree from Technical University Delft and postgraduate studies at the University of Pittsburgh (U.S.A). Lifetime international experience in power generation, transmission, and distribution
- 106. Maarten Vasbinder MD, specialized in prion theories and practice
- 107. J.F. van de Vate, Former Director ECN, Petten, Former UN Delegate IPCC
- 108. Jan Verheij, Retired Scientist Applied Physics at TNO Delft, Emeritus Professor of Noise Control Engineering at Eindhoven University of Technology
- 109. Hans Verschuur MSc, Geosciences, specialized in Mining
- H. Verveer, Civil Engineer, lifetime experience in maritime infrastructure and building services
- 111. Jannes. J. Verwer, Former Director ECN and Former Chairman Supervisory Board State Owned Radio Active Waste Storage Facilities
- 112. Dr Koen Vogel, Geologist and Geostatistician, lifetime experience in numerical modelling, proficient in evaluating and developing global energy projects
- 113. Henk van der Vorst, Emeritus Professor of Numerical Mathematics, University of Utrecht
- 114. Bart Vos, Msc Petroleum Engineering, Lifetime of Experience in the Geo-energy Industry
- 115. Rob de Vos, Geographer and Editor of "Klimaatgek"
- 116. Henk de Vries, lifetime experience in organised crime, expert in digital forensics
- 117. Jaap van der Vuurst de Vries, Emeritus Professor of Petroleum Engineering, Former Dean Faculty of Applied Earth Sciences, Delft University of Technology

- 118. Dr. Jules de Waart PhD in Physical Geography, Exploration Geologist in Africa, Pastmember of the Dutch Parliament, author of the book on Climate Change and Energy Transition "Don't believe everything"
- 119. Dr. André Wakker, energy expert, lifetime experience in nuclear energy, speaker and writer on energy transition
- 120. Karel Wakker, Emeritus Professor of Astrodynamics & Geodynamics, Delft University of Technology
- 121. Robert N. Walter MSc E.E., Member Advisory Board 'De Groene Rekenkamer'
- 122. Cyril Wentzel, Multi-Physics Engineer and Chairman of Environmental Think Tank 'Groene Rekenkamer'
- 123. Frans A. van der Werf, Master of Law, Owner of an International Business for Management, Consultancy and Finance
- 124. Dolf van Wijk, Formerly AkzoNobel Environmental Research Laboratory and Former Executive Director Cefic-Euro Chlor, Brussels
- 125. Jaap Wijsman, Mechanical Engineer, active in the offshore industry
- 126. Jan Winkel MSc, Chemical Engineering, specialization in Natural Gas Projects, Lifetime Experience in the Geo-Energy Industry
- 127. Theo te Winkel, Geo Scientist and International Health Care Specialist
- 128. W.J. Witteman, Professor of Applied Physics and CO2 Lasers, University of Twente
- 129. Dr. Hans Wolkers PhD in Dierfysiologie en natuurbeheer en ruim 20 jaar onderzoekservaring, onder andere in arctische ecotoxicologie, nu actief als wetenschapsjournalist en universitair docent in 'Schrijven over Wetenschap'
- 130. Theo Wolters, Chairman Environment, Science & Policy Foundation, Co-founder 'Groene Rekenkamer' and 'Climategate.nl'
- 131. Dr. E.J. (Ed) Zuiderwijk, Retired Astrophysicist and Data Manager
- 132. Diederik Zwager MSc Petroleum Engineering, CEO Air Drilling Associates



## SCIENTISTS AND PROFESSIONALS FROM NEW ZEALAND

- 1. Barry Brill OBE, Previously Minister of Science and Techology; WCD Ambassador
- 2. Deborah Alexander, Agricultural Scientist
- 3. Jock Allison, Retired Agricultural Scientist, Ministry of Agriculture
- 4. Paul A. Catchpole, Qualified Land Surveyor & Fellow of New Zealand Institute of Surveyors, Retired Ex Commissioner of the New Zealand Environment Court
- 5. Roger High Dewhurst, Retired, Geologist/Hydrogeologist
- 6. Terry Dunleavy † MBE, Co-Founder (2006) and Honorary Secretary New Zealand Climate Science Coalition
- 7. Geoffrey. G. Duffy, Professor Emeritus, University of Auckland
- 8. Doug Edmeades, Managing Director agKnowledge Ltd.
- 9. Professor Michael J Kelly, MA, PhD, SCD, MAE, Emeritus Prince Philip Professor of Technology at the University of Cambridge, Fellow of the Royal Society, Fellow of the Royal Academy of Engineering, Fellow of the Institute of Physics, Fellow of the Institution of Engineering and Technology, Senior Member of the Institute of Electronic and Electrical Engineering
- 10. Joe Fone, CAD Engineer, Enatel Ltd.
- 11. Gary Kerkin, Retired Chemical Engineer, Upper Hutt. Executive member New Zealand Climate Science Coalition
- Brian Leyland, Power Systems Engineer and Experienced Renewable Energy Specialist
- 13. Gerrit J. van der Lingen, Geologist and Paleoclimatologist, New Zealand, Author of the Book "The Fable of Stable Climate"
- Dr. John Maunder, Climate Scientist, President of the WMO Commission for Climatology 1989-1996
- 15. Dr Richard Reaney, Climate Researcher, Post Graduate Qualification in Antarctic Studies, University of Canterbury New Zealand
- 16. Darag S. Rennie MBChB, Lifetime explorer of truth
- 17. John Scarry ME (Civil), Structural Engineer, Member of the New Zealand Climate Science Coalition
- 18. John Sexton, Member of the New Zealand Climate Coalition
- 19. David Shelley, Emeritus Associate Professor Geology and latterly Dean of Postgraduate Studies, University of Canterbury, Christchurch
- 20. David Steward, Electronic Engineer, Supporter of truth seeking in climate change

- 21. Philip Strong, Science Research Leader & Member of the New Zealand Climate
- 22. Richard Treadgold, Executive Member NZ Climate Scienc Coalition, Convenor Climate Conversation Group
- 23. Ian Wright, Professional Geologist



## SCIENTISTS AND PROFESSIONALS FROM NORWAY

- 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; Honorary WCD Ambassador
- 2. Jan-Erik Solheim, Professor Emeritus Astrophysics, University of Tromsø The Arctic University of Norway; WCD Ambassador
- 3. Gunnar Abrahamsen, Professor Emeritus Soil Science, University of Life Sciences
- 4. Knut Åm, retired geoscientist, holding positions at the Geological Survey of Norway, the Norwegian Petroleum Directorate, Statoil (R&D Manager), several positions with Phillips Petroleum Company both in Norway and the United States and adjunct Professor of Geophysics at the University of Bergen, Norway. Knut Åm is Honorary member of The Norwegian Academy of Technological Sciences
- 5. Egil Bergsager MSc of UCLA, and also University of Oslo, Petroleum Geologist, Director Norwegian Petroleum Directorate, President Rogaland Science Park. Board member of many advanced technology companies
- 6. Stein Sorlie Bergsmark, Phycisist, Former Head of Renewable Energy Studies Programmes, University of Agder
- 7. Dr. Hans Borge, Associate Professor in Mathematics, University of Stavanger
- 8. Reidar Borgstrøm, Professor Emeritus in Fishbiology and Nature Conservation, University of Life Sciences
- Ole Henrik Ellestad, Physical Chemist. Former Research Director and Professor in Petrochemistry at the Centre for Industrial Research and University of Oslo. Former Managing Director of Norwegian Computer Centre. Former Division Director of Norwegian Research Council. Previous Chairman of the Board, Klimarealistene
- 10. Jon Gulbrandsen PhD, Biologist, Associate Professor NOFIMA and NOAA (USA)
- 11. Arve Gleissner Gustavsen, Msc in Cybernetics, Lifelong Experience in Design and Engineering
- 12. Rögnvaldur Hannesson, Professor Emeritus, Norwegian School of Economics
- Geir Hasnes, Adjunct Associate Professor, Institute of applied Cybernetics, Norwegian University of Science and Technology
- 14. Martin Torvald Hovland, Geophysical and Geological Advisor, Former Lecturer at University of Tromsø
- 15. Ole Humlum, Professor Emeritus in Physical Geography, University of Oslo
- 16. Morten Jødal †, Biologist, Former Employee of the Norwegian Research Council and the Centre for the Development and Environment at the University of Oslo
- 17. Dr. Ing. Hans Konrad Johnsen, Dr. Ing.
- 18. Olav Martin Kvalheim, Emeritus Professor, Chemistry, Bergen University
- Arnfinn Langeland, Professor Emeritus Biology, Norwegian University of Science and Technology
- 20. Willy Nerdal, Professor of Chemistry, University of Bergen
- 21. Egil Pedersen, Dr. Eng. and Professor of Technology at UiT The Arctic University of Norway
- 22. Elen Roaldset, Emertitus Professor in Geology, University of Oslo, Former Director of Natural History Museum Oslo, Professor at Norwegian University of Science and Technology
- 23. Ulf Torgny Rock, Master of Chemical Engineering, Norsk Hydro
- 24. Håkon Gunnar Rueslåtten, Geological Researcher, Trondhheim
- 25. Tom V. Segalstad, Associate Professor Emeritus of Geochemistry, University of Oslo
- 26. Einar Sletten PhD, Professor in the Dept of Chemistry, University of Bergen
- 27. Jørgen Stenersen, Professor Emeritus Eco-Toxicology, University of Oslo



## SCIENTISTS AND PROFESSIONALS FROM PARAGUAY

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



## SCIENTISTS AND PROFESSIONALS FROM THE PHILIPPINES

Melanchthon Bernil, Professional Chemical Engineer



## SCIENTISTS AND PROFESSIONALS FROM POLAND

- 1. Marek Boinski, Chairman of the National Section of Energy Workers' Union NSZZ
- 2. Zbigniew Gidzinski, Advisor to the Chairman of the Silesian Region of the Solidarity Union in charge of the climate policy as well as a former Secretary of the National Energy Security Team of the Chancellery of the President of Poland
- Jaroslaw Grzesik, Chairman of the National Secretariat of Mine and Energy Workers' Union NSZZ
- 4. Dominik Kolorz, Chairman of the Slasko-Dabrowski Region of NSZZ



## SCIENTISTS AND PROFESSIONALS FROM PORTUGAL

- Demétrio Carlos Alves, Chemical Engineer, specialized in Processes and Systems, Postgraduate in Legal Issues of Urban Planning, University of Lisbon
- 2. Rui Cruz, Pharmaceutical Development Scientist, PhD In Chemical and Biological Engineering (Material Science Focus for Solar Energy Applications)
- 3. J.M.S. Martins, retired agrarian researcher
- 4. Pamela Matlack-Klein, Member of Portuguese Sea Level Project, USA
- Dr. Peter Stallinga, Professor Associado com Agregação, Universidade do Algarve, Portugal, Faculty of Sciences and Technology, Department of Electronic Engineering and Informatics



## SCIENTISTS AND PROFESSIONALS FROM RUSSIAN FEDERATION

- 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, DrSc (biol), Professor in Biogeochemistry and Risk
   Assessment in Moscow State University, Cornell University, Seoul National University,
   Bangkok King Mongkut Technological University; vice-chairperson of WG of UN
   Convention on Long-Range Transboundary Air Pollution and PR in the Institute of
   Physico-chemical and Biological Problems of Soil Sciences RAS, Pushchino, Russia
- 3. Pavel Bizyukov PhD in Metallurgical Engineering, faculty member at Moscow State Institute of Steel and Alloys
- Vladimir G. Kossobokov, Chief Scientist, Professor Expert, Russian Academy of Sciences Past Vice-Chair, IUGG "GeoRisk" Commission (IUGG Commission on Geophysical Risk and Sustainability) Core Member, ISSO (International Seismic Safety Organization)
- 5. Eugene Nagibin, MA in Economics, CIR, Territorial Development and Management Consultant
- Henni Ouerdane, Assistant Professor, Manager of the Energy Systems PhD Programme, Skolkovo Institute of Science and Technology, Moscow Region
- Dr. Michael Petelin, professor of the University of Nizhny Novgorod, head researcher of the Institute of Applied Physics, Nizhny Novgorod



## SCIENTISTS AND PROFESSIONALS FROM SAUDI ARABIA

1. Christopher M. Fellows Phd, physical chemist



## SCIENTISTS AND PROFESSIONALS FROM SERBIA

 Ivan Stefanovic, Curator of collection, Faculty of Mining and Geology, University of Belgrade



## SCIENTISTS AND PROFESSIONALS FROM SINGAPORE

1. Dr. Lars Schernikau, Energy Economist, Entrepreneur & Author

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## SCIENTISTS AND PROFESSIONALS FROM SLOVENIA

- Borut Bohanec, Emeritus Professor of Biotechnology, active to explain major missinterpretations of scientific discoveries
- 2. Rafael Mihalič, Professor of Electrical Engineering, University of Ljubljana



## SCIENTISTS AND PROFESSIONALS FROM SOUTH AFRICA

- 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
- 3. Rob Jeffrey, Economic Risk Consultant: Senior Economist and Managing Consultant, leading expert in energy and electricity
- 4. Kelvin Kemm PhD, Nuclear Physicist, CEO Nuclear Africa, Pretoria
- Dr. John Ledger PhD, Visiting Associate Professor at the University of the Witwatersrand, Energy and Environmental Consultant, Consulting Editor, Freelance Writer. Editor and Lecturer
- 6. Prof. Richard Meissner, Associate Professor, Department of Political Sciences, University of South Africa
- 7. Don Mingay, Retired Professor of Nuclear Physics
- 8. Dr. Henrique J.S. de Barros Pinheiro, Geologist, Invited Associate Professor, Universidade Fernando Pessoa, Porto, Portugal
- 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 in Southern Africa



## SCIENTISTS AND PROFESSIONALS FROM SOUTH KOREA

- 1. Dr. Seok Soon Park, Professor of Environmental Science and Engineering, Ewha Womans University, Seoul, Founder of the Climate Truth Forum; WCD Ambassador
- 2. Zonghie Han, economist at Daegu University



## SCIENTISTS AND PROFESSIONALS FROM SPAIN

- Blanca PargaLanda PhD, Modelling Expert, specialist in Environmental Law; WCD Ambassador
- 2. Dr. Saúl Blanco, Associate Professor of Ecology at the University of León
- 3. Ferran Brunet, Professor on the European Economy, Unniversitat Autònoma de Barcelona
- 4. Maria Teresa Estevan Bolea, Ingeniero Laureado 2019 Royal Spanish Academy of Engineering. World Award 2018 In Engineering WFEO (World Federation of Engineering Organizations), National Prize in Industrial Engineering 2019.
- José Carlos Gonzàlez Hidalgo, Professor of Physical Geography, teaching more than 20
  years on Climatology and doing Research on the Topic, University of Zaragoza, Dep.
  Geografia
- Antonio J. Huertas, Engineer with 35 years experience in Energy Politics and Operation, and Environmental Care
- Antonio Jesús Muñoz Cobo Doctor in Environmental Sciences from the University of Jaén member of the research group TEP-233 (Environmental Technologies) of the Department of Chemical, Environmental and Materials Engineering
- 8. Luis Pomar, Emeritus Professor of the University of the Balearic Islands, Spain, Sedimentologist specialized in the study of Carbonate Rocks which the Impact of  $\rm CO_2$  and Paleoclimate are essential to understand the origin of these rocks
- 9. Wynn Williamson, co-founder and managing partner of real estate developer BWRE



## SCIENTISTS AND PROFESSIONALS FROM SWEDEN

- Ingemar Nordin, Emeritus Professor Philosophy of Science, Linköping University; WCD Ambassador
- 2. Michael Andersson Bsc in biology, medical doctor, retired Chief Medical Officer at a battalion of the Swedish Airforce

- 3. Leif Åsbrink PhD, Technology at KTH in Molecular Physics, Stockholm
- Sture Åström MSc, Technology, Professional in Climate Issues, Secretary of the Swedish Network Klimatsans
- 5. Rolf Bergman, Emeritus Professor of Physical Chemistry, Uppsala University
- 6. Dr. Lars Bern, Member of The Royal Swedish Academy of Sciences, Retired CEO in Incentive AB
- 7. Joakim Blomqvist, Sr. Design Manager for design and energy solutions within a larger construction company
- 8. Magnus Cederlöf, Software Specialist, Stockholm
- Tore Dalväg Msc, Physics, Research Engineer in Hydrodynamics and Thermodynamics, Senior Advisor in Environmental Standards, Author of 'CO<sub>2</sub> a source of life or a threat'
- 10. Hans Eklund PhD, Technology, Acting Professor at the Department of Laser-and Electro-optics, Chalmers University of Technology, Gothenburg
- 11. Per-Olof Eriksson, Physicist, Former CEO of Sandvik Group
- 12. Dr. Anders Flodin PhD, Mechanical Engineering, NC, USA
- 13. David D. Gee, Professor Emeritus Orogen Dynamics, Uppsala University
- 14. Anders Grufman MSE, MA Economics, Industrial and Environmental Economics
- 15. Jan Hagberg PhD, Statistics, Stockholm
- 16. Lars Hässler PhD, Rock and Soil Mechanics, Bsc Chemistry and Biology, MSc Civil Engineering
- 17. Eilif Hensvold PhD, Mathematics, Associate Professor of Mathematics (Retired), Simulation of Large-scale Industrial Systems, Uppsala University, Luleå Technical University
- 18. 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
- 20. Hans Jelbring, Climate Researcher
- 21. 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
- 24. Sten Kaijser, Emeritus Professor of Mathematics, Uppsala University
- 25. Johnny Kronvall Mah, Emeritus Professor in Building Physics, Malmö University and Lund University
- 26. Lars E. Linder, Associate Professor of Medicine, Gothenburg
- 27. Rune Lundgren MSc, Helsinki University of Technology, Energy System Expert
- 28. 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
- $30. \quad \text{Gabriel Oxenstierna PhD, retired, currently author for Klimatupplysningen.se}$
- ${\tt 31.} \quad {\tt G\"{o}sta\ Pettersson, Emeritus\ Professor\ in\ Biochemistry, University\ of\ Lund}$
- 32. Marian Radetzki, Emeritus Professor of Economics, Luleå University of Technology
- 33. Mats Rosengren, Mathematics, Space Flight Trajectory Specialist
- 34. Torsten Sandström, Professor Emeritus, Department of Law, University of Lund
- 35. Rabbe Sjöberg PhD, Geology, Member of Paleogeophysics & Geodynamics Institute
- 36. Peter Stilbs, Emeritus Professor of Physical Chemistry, Royal Institute of Technology (KTH), Stockholm
- 37. Prof. Jan-Olov Strömberg, Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
- 38. Lars H. Thylen, Professor Emeritus in Photonics, Dept. of Theoretical Chemistry and Biology, Royal Institute of Technology, Stockholm, specializing in Low Power Nanophotonics Technology
- 39. Gösta Walin, Proffessor Emeritus in Oceanography at Univerity of Gothenburg
- 40. Elsa Widding, Consultant, Author on Climate Change, Stockholm
- 41. Lech Wosinski, Researcher Emeritus, Associate Professor, Royal Institute of Technology, Stockholm
- 42. Örjan Wrange PhD, Emeritus professor in Molecular Genetics

## SCIENTISTS AND PROFESSIONALS FROM SWITZERLAND

- Thomas Binder, Cardiologist and Internist
- 2. Majed Chergui, Emeritus Professor of Chemistry and Physics
- 3. Rene Funk, Software engineer, specialized in Analysing Satellite, Sea and land Temperature
- 4. Werner Furrer MSc, Mathematics and Physics, President of the Climate Realistic Group in Switzerland
- 5. Christian Jacot, Pharmacist
- 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
- 8. 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
- Prof. Dr. Eric P. Verrecchia, Full professor at the University of Lausanne, Chair of Biogeochemistry at the Institute of Earth Surface Dynamics; expert in the terrestrial carbon cycle of the tropical and temperate zones
- 11. Dr. Eric Vieira retired PhD (organic chemistry), 27 years at Roche Pharmaceuticals (Principal Scientist)



## SCIENTISTS AND PROFESSIONALS FROM TURKEY

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



## SCIENTISTS AND PROFESSIONALS FROM UK

- Christopher The Viscount Monckton of Brenchley, Peer of the Realm and Author of several reviewed papers on Climate; WCD Ambassador
- 2. Neils C. Arveschoug, Geophysicist, Private start-up Oil E&P Company
- 3. Andrew P. Barker, Biological Chemist
- 4. John Anthony Barney, Retired Scientist and Technologist
- 5. 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
- 8. Roshan Bhunnoo, Mathematics and Statistics, former Climate Data Analyst at the Meteorological Office
- 9. Paul Binns, Former Research Geoscientist and Climate Researcher
- 10. David Bodecott, Geologist/Geophysicist, Fellow of the Geological Society of London
- 11. Dr. Richard Booth, retired Special Merit mathematician in the UK Civil Service
- 12. D.Q. Bowen, Emeritus Professor of Earth and Ocean Sciences, Fellow International Union for Quaternary Research, Cardiff University
- 13. Dr Phillip A. W. Bratby, Physicist, Member of the Institute of Nuclear Engineers, retired energy consultant
- 14. Michael Brown, Expert in Large Scale Thermal Fluid Dynamic Models
- 15. Derrick Byford BSc (Hons) holder of 10 patents, previously Deputy Director Research & Statistics Inner London Education Authority
- 16. Gerry Byron BSc in Physics, MBA which included modules on statistical anylysis
- 17. George Carey, BSc Hons. Physics and Geology, Lifetime Physics teacher and amateur astronomer
- 18. Brian R. Catt, Physicist, Electrical Engineer, Retired, publishing papers on Energy and Climate Change
- 19. David Coe, MA(Oxon) in physics, Retired after a lifetime in industry working on gaseous absorption spectroscopy, Lead author of the paper "The Impact of CO2, H2O and Other Greenhouse Gases on Equilibrium Earth Temperatures"
- 20. John C.W. Cope, Professor of Geology, National Museum Wales, Cardiff
- 21. Richard Courtney, Retired Material Scientist, Expert Peer Reviewer of the IPCC



- 22. 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
- 24. Peter Cunningham, Expert in Mathematical Modelling of Complex Physical Phenoma
- 25. Isabel Davies, Geophysicist and Entrepreneur
- Dr Philip George Davies, Principal Lecturer in the Department of Computing and Informatics at Bournemouth University
- 27. 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, Member of the US National Academy of Sciences, Fellow of the Royal Society
- Howard Dewhirst FGS, Geologist, Initiator Open Letter to the Geological Society of London
- 30. Gregor Dixon FGS, Geologist, Former Member Geological Society of London
- 31. Timothy (Tim) C. Duckworth, Retired Mechanical Engineer in the Oil & Gas industry, Senior Auditor in Management/Facility/HSE
- 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
- 34. 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
- 36. Peter Etherington-Smith, Geologist/Oceanographer, Coral Reef Researcher, MSc Petroleum Engineering (Imperial), life-time international experience in developing countries, retired from BG
- 37. Kevin Foo MSc, DIC, Dip. Met, AusIMM, IOM3, SME, Ch.Eng., President Tianshan Jade (UK) Ltd
- 38. Gil Gilchrist, Geophysicist
- 39. Alan Gill, Retired Engineer in South Wales
- 40. Peter Gill, Physicist, Ex Chair Institute of Physics Energy Group, Ex London Branch Chair & Fellow of EI
- 41. Paul R. Goddard, retired Professor of Radiology, University of the West of England
- 42. John D. Goss-Custard PhD Ecology, University of Aberdeen, Visiting Professor in the Department of Life and Environmental Sciences, Bournemouth University
- 43. Alastair Gray, retired geologist, 50 years in oil exploration, production and asset evaluation
- 44. Delphine Gray-Fisk, Former airline pilot, and parliamentary candidate for both the UK Independence Party and Brexit Party
- 45. Mick Greenway, specialized in Research and Development of Flight Control Systems for Modern Civil and Military Aircraft, Retired Head of Research and Development within a Multi-Million-Dollar Company
- 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
- 47. Jimmy Haigh, Independent Geological Consultant
- 48. Stephen Hardcastle, Retired Electronics Engineer, 10 years experience in the design of NDIR gas detectors, for gases including CFC's CO2, CH4 and N20
- 49. Tim Harper, Geomechanics Consultant and Researcher, previous Recipient of the Royal Academy of Engineering MacRobert Award for Engineering Innovation
- 50. John Harrison, Former Chartered Physicist and Chartered Engineer
- 51. Peter Harvey, Project Manager Renewable offshore wind industry
- 52. Robert Heath, Retired Geophysicist, Honorary member of the Indian Society of Petroleum Geologists
- 53. Alex Henney, Formerly London Electricity Board, Consultant on Electricity Matters
- 54. Roger Higgs, DPhil (Oxon), Independent Geological Consultant, Geoclastica Ltd.
- 55. Dr Sinclair Holland, MBChB(Edin) Medical Doctor
- 56. Keith H. James PhD, Consultant Geologist
- 57. Anthony Janio PhD in Physics, Independent Elected Councillor in Brighton and Hove
- 58. 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 60.
- 61. Robert Jones, BSc and PhD Mining Engineering, Director at Warwick Energy
- 62. John L.D. Kerr B.A. (Hons) in Environmental Science & Technology; B.Sc. (Hons) in Chemistry, active as Environmental Consultant
- 63. David A. Kirkwood MSc MIET, Professional engineer working in IT, Deputy Chairman of Reform UK Scotland
- 64. Geoffrey W. Lane, retired Marine Engineer and Technical Author
- 65. Roger Longstaff, Experimental Space Physicist and Company Director
- Peter Justin Lunt MSc Geology London, adjunct lecturer in geology (stratigraphy) at Universiti Teknologi Petronas and Shandong University of Science and Technology (SDUST) Qiangdao
- 67. Tom Mackay BSc, Geologist, Fellow of the Geological Society (FGS) of London
- 68. Chris MacKenzie MSc, Director and Geological & Environmental Consultant at Peak
- 69. CJ Matchatte-Downes, Geologist and Geochemist, particularly involved in studies about past Climates including Glaciation
- William James McAuley MSc 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 71.
- 72. Krov Menuhin, Expert on ocean life, underwater filmmaker, professional diver, pilot and writer, explored the Earth's extremities, experiencing the oceans and the atmosphere first-hand
- 73. Geoffrey Middleton, Chartered Architect, Socal Science
- 74. Dr. William Morgan, Retired Clinician
- 75. 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
- 77. Stuart Munro, Exploration Geologist and Geophysicist
- 78. Edward Nealon, Geologist Member of the Australian Institute of Mining & Metallurgy
- 79. Blair Nimmo, Electronic Engineer, working in Computer Networking and Optical Surface Metrology and Fibre Optics
- 80. Michael John Oates, Geologist, Lifetime Experience in the Geo-Energy Industry, Fellow of the Geological Society of London
- 81. Peter Owen FGS, Fellow of the Geological Society of London
- 82. Dennis Paterson, Geologist, Retired
- 83. Dr. James Petch, Physical Geographer, formerly Reader in Environmental Science at MMU and Head of Distributed Learning at the University of Manchester
- 84. Peter Phillips BSc Hons Mechanical Engineering, lifetime experience in the geo-energy industry
- 85. 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
- 87. Clive Randle, Geologist, Fellow of the Geological Society of London
- 88. Michael J. Rath, Professional Forrester
- 89. 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)
- 90. Dr. Colin Richard Reeves, Emeritus Professor of Operational Research, Expert in Mathematical Modelling
- 91. Ceri Reid, Researcher, Engineer and Manager
- Steven Andrew Richards MSc, Retired Chartered Engineer, Retired Lecturer from Portsmouth University and Southampton Solent University
- 93. Michael F. Ridd, Geologist, Fellow of the Geological Society of London
- 94. Anthony Robb PhD, Retired Chemist
- 95. Richard Saumarez, Biomedical Engineer from Imperial College
- 96. Robert M. Schneider MSCE, retired Civil Engineer
- 97. Michael Seymour, Geologist, Fellow of the Geological Society of London

- 98. Mike Sluman, Retired teacher with an honours Degree in Environmental Biology
- 99. Dr. Ian Smith, MSc Maritime Archaeology, PhD Chemistry
- 100. Stephen Taylor PhD, Infra-Red Physicist and Tidal Hydrographer, MD Geomatix Ltd., Member of Inst. of Physics, Member of Inst. of Electrical and Electronic Engineers, Associate Fellow of Royal Institute of Navigation, Member of the Hydrographic Society
- 101. Leslie Thomson, Retired Vice President Operations, BP Exploration, Aberdeen
- 102. Derek Tipp, BSc honours degree in chemistry, former research chemist and retired science teacher, currently councillor on New Forest District Council
- 103. David Todd, retired Associate Member of the Institute of Bankers, Post Graduate Certificate in Business and Management
- 104. Matthew D. Waggener, Financial professional, strategic consultant on business investments
- 105. Dr. Glenn K. Wakley, Emeritus Associate Professor Biological Science, Fellow of the Royal Society of Biology and member of The Anatomical Society
- 106. Professor David Wastell, Emeritus Professor of Information Systems at the University of Nottingham
- 107. Philip Linden Wilkes, Life time Experience in Marine Biology
- 108. Jay Willis, Marine Scientist, Associate of the OxNav Group of Oxford University
- Paul White, BSc Physics, Durham University, Retired, Former Higher Scientific Officer Marine Climatology
- Valentina Zharkova, Professor of Mathematics and Astrophysics, Northumbria University, Newcastle upon Tyne
- 111. Ivor Zoeftig, International communications coach specialised in chaodynamics and NLP LP



## SCIENTISTS AND PROFESSIONALS FROM USA

- Richard Lindzen, Emeritus Professor Atmospheres, Oceans and Climate, MIT; WCD Ambassador
- 2. Edward Abbott MD, Retired obstetrician, BSc in math and chemistry
- 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. Previously, prof. Akasofu had been director of the University's Geophysical Institute
- 4. Ralph B. Alexander, Emeritus Professor of Physics, Science Writer
- 5. Michael Antonetti P.G., Professional geologist for 35+ years in Pennsylvania with Ms in glacial geomorphology
- 6. Anthony J. Armini, Retired Founder and CEO Implant Sciences Corp.
- 7. 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
- 9. Donna Barr, lifetime career as investigative journalist worldwide
- 10. Bryan Barrilleaux, MD, Physician of Internal Medicine
- 11. Joe Bastardi, chief meteorologist Weatherbell.com, Author of Amazon weather/climate best sellers: The Climate Chronicles: Inconvenient Revelations you Won't Hear from Al Gore and others; 2cnd Book: The Weaponization of Weather in the Phony Climate War
- 12. Captain Walter Bates, flew virtually all of United Airline's aircraft all over the world, including everything from the old DC-6 up through the largest Boeings such as the B-777 and the B 747- 400; from his lifetime of experience he knows that the so-called man-made Mid-Troposhere Hot Zone just does not exist
- 13. Charles G. Battig, Climate Adviser, Heartland Institute
- 14. 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
- 15. Larry Bell, Endowed Professor of Space Architecture, University of Houston
- 16. Frank X. Bellini, Geologist and Environmental Scientist, lifetime experience in the nuclear power industry
- Dr. Shmuel Ben-Shmuel PhD in Aerospace & Mechanical Engineering, retired aerospace engineer, worked on the Space Shuttle, doing Computational Fluid Dynamics simulations
- David J. Benard, Chemical Physicist & Co-inventor of the Oxygen-iodine Chemical Laser

- Edward X. Berry PhD, Atmospheric Physicist, American Meteorological Society, Author, Climate Physics LLC
- Ronald Berti, lifetime career in the semiconductor industry 20.
- 21. Brent J. Bielema, studied Economics at Northern Illinois University, professional nutritional counseler
- Dr. David L. Black, Clinical and Forensic Toxicologist (Microbiology, Immunology, Pathology, Pharmacology), Vanderbilt University Nashville, currently adjunct and member of Department of Medicine Board of Visitors
- Jared L. Black, Numerical Analysis Consultant, ScD
- Thomas Lindsay Blanton PhD in Tectonophysics, Texas A&M University, Over 40 years experience as an advisor and consultant in geomechanics specializing in compaction, subsidence, and lithospheric stress determination
- 25. Elliott D. Bloom, Emeritus Professor of Particle Physics and Astrophysics, KIPAC-SLAG, Stanford University
- 26. David Boleneus, Professional Geologist
- 27. Daniel Botkin, Emeritus Professor of Biology, Climate Researcher, Author of the Book: Twenty-five Myths That Are Destroying the Environment
- 28. Robert L. Bradley jr., CEO and Founder of the Institute for Energy Research
- 29. 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
- 31. Clare Livingston (Bud) Bromley III, BS Natural Sciences, scientific instruments executive
- 32. Joel M.G. Brown, retired petroleum engineer
- 33. Dr.Larry Frank Brown PhD in Range Plant Ecology (Ecophysiology) from Colorado State University (1974), President of L.F. Brown & Assoc. Inc.
- 34. James W. Buell PhD, Aquatic Biologist, Consultant
- 35. Robert Bugiada, Senior Process Engineer at R.C. Costello & Assoc. Inc
- 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
- 37. David Burton, System and Computer Scientist, Expert Reviewer of AR5 and AR6, Member of the CO2 Coalition, and Creator of the SeaLevel.info website
- 38. Mark Shane Butler, MA in mathematics, lifetime career in data science
- Roger Caiazza, Pollution Meteorologist, life time experience in the electric generating business, retired Director of the Environmental Energy Alliance of New York, currently managing the blog Pragmatic Environmentalist 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
- 41. Sharon R. Camp PhD, Retired Analytical Chemist and Environmental Scientist
- 42. Nick Capaldi PhD, Author Books on Logic, the Scientific Method and the Philosophy of
- 43. John Carr, Electronic Engineer, specialised in antenna and satellite installations
- 44. 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
- 46. 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
- Dr. Claudio Cioffi-Revilla, PhD, DSc Pol, University Professor Emeritus at George Mason University, Jefferson Science Fellow of National Academy of Sciences, Fellow of AAAS American Association for the Advancement of Science, Member of AMS American Mathematical Society
- 49. 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, I have been working with weather data and applications of this data for over 40 years
- 51. Dr. Richard Collingham PhD in Engineering, Professor for 16 years teaching Graduate Level Heat Transfer and Fluid flow courses
- 52. Sabin W. Colton PhD, Biochemist and Marine Biologist
- 53. Martin Cornell, Retired Senior Scientist, Dow Chemical Company

- 54. David T. Cramer, MS, Instructor of Sociology and Psychology, Pratt Community College
- 55. John Curtin Msc in Economics, lifetime experience in strategic planning and forecasting
- 56. 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
- 57. Raphael D'Alonzo, Analytical Chemist, Retired Associate Director, the Proctor & Gamble Company
- 58. George Davey, Physicist, University of Iowa
- Donn Dears, GE Company Engineer, and Senior Executive, Retired, Author of 'Net-zero Carbon, The Climate Policy Destroying America'
- 60. James DeMeo PhD, Retired Expert in Earth and Atmospheric Science, Oregon
- 61. David Deming, Professor of Arts & Sciences, University of Oklahoma
- William Robert Detzner, retired special education teacher, fighter agains the continuing reduction of personal freedom
- 63. Robert G. Dillon, retired physician and astronomist
- 64. Robert G. Dodge, Attorney
- 65. Terry Donze, BS-Geological Engineering, Lifetime Career in Geophysical Consulting
- 66. Michael Down, Petroleum Engineer, lifetime experience in the geo-energy industry
- 67. Jack D. Downing, Geologist and Geophysicist
- 68. Gordon A. Dressler MSc, 36-year professional career as a rocket and spacecraft propulsion engineer, awarded six patents in the field of rocket propulsion
- 69. Paul Driessen, Senior Policy Advisor, Committee for a Constructive Tomorrow (CFACT) and Congress of Racial Equality (CORE)
- 70. John Droz jr., Physicist, Founder of AWED Alliance
- 71. Dr. William DuBroff PhD Metallurgy, Former Director of Research Inland Steel, Former Asst. Professor Clemson University
- 72. John Dueker, MBA University of Houston, BSEE University of Notre Dame, 45 years of experience in environmental permit compliance
- 73. John Dale Dunn MD, JD, Lecturer Carl R. Darnall Army Medical Center, Fort Hood, Texas
- 74. Prof. James E. Enstrom PhD, MPH, FFACE, Retired UCLA Research Professor in Epidemiology, President of the Scientific Integrity Institute, Los Angeles
- 75. Richard G. Eramian, BA in MPthematics and physics
- 76. 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. FoViginia), Retired Manager fromWestinghouse Electric Company
- Douglas Fairobent, Retired Physicist trained in Condensed Matter Theory, PhD (Physics), University of Michigan, 1978
- 79. Peter Farrell, Fellow of the US National Academy of Engineering
- 80. Ralph English Fisler, Professional Aerospace Engineer
- 81. Rex Fleming, Research Scientist, Author of Book on Carbon Dioxide Fallacy, Retired President Global Aerospace
- 82. Jim Folcik, Geosciences Manager Extraction Oil & Gas
- 83. Dr. Geoffrey Q. Fox, Retired neuroscientist, PhD in Anatomy and Physiology from the University of California, Berkeley in 1973, post doctorate fellowship in the Department of Neuroscience at Albert Einstein College of Medicine, Wissenschaft Assistant in the Department of Neurochemistry at the Max Planck Institut fűr biophysikalische Chemie in Göttingen Germany, 1975
- 84. Dr. Neil Frank, Lifetime of Experience in Research and Forecasting in Tropical Meteorology, Former Director National Hurricane Center
- 85. Patrick Frank PhD, SLAC National Accelerator Laboratory, Stanford University
- 86. Robert S. (Steve) Friberg, Trend Resources LLC, Resources Exploration Geologist with +55 years of experience in the geological sciences field
- 87. Gordon J. Fulks, Astrophysicist, Board of Directors CO2 Coalition, Co-founder Global Warming Realists
- 88. S. Fuller Hunt, Biology Teacher at Preparatory High School of Mathematics, Science, Technology and Careers, Calabash, North Carolina
- 89. Lynn Warren Funk, accelerator physicist, climate realist
- 90. Terry Gannon, Physicist, Retired Semiconductor Executive
- 91. Louis Genevie PhD, Epidemiologist, www.LitStrat.com

- 92. Nicholas De Gennaro PhD, PE, Coastal Engineer, Southport North Carolina
- 93. 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
- 94. Ulrich H. Gerlach, Professor of Mathematics, Ohio State University
- 95. 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; Honorary WCD Ambassador
- 96. Thomas A. Gilliam PhD, Professor of Accounting, Retired
- 97. Alan Glabe PhD Organic Chemistry, University of California, Retired
- 98. Dr. William Glassco, PhD in Medicinal Chemistry, former researcher, currently Instructor
- 99. Curtis Fred Goddard, Retired Geologist
- 100. Dr. Indur M. Goklany, Science policy advisor in the United States Department of the Interior, Helped develop the work plan for the IPCC's First, Second and Fourth Assessment Reports, and served as expert reviewer for several IPCC reports, Leaderof the U.S. delegation to, and Executive Secretary of the IPCC Resource Use and Management Subgroup (1988-90)
- 101. Dr. J.D. Gold, lifetime experience in Clinical Psychology; worked in the frontlines of the war against the madness of terrifying people
- 102. 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
- 103. Derek Gordon, CEO HTS Engineering
- 104. Timothy W. Gordon, Retired USAF/USN Veteran, Independent Researcher
- 105. Steve Goreham, Executive Director, Climate Science Coalition of America
- 106. Laurence I. Gould, Professor of Physics, University of Hartford, Past Chair, New England Section of the American Physical Society
- 107. Jim Granato, Dean of the Hobby School of Public Affairs, University of Houston, lifetime career in research methodology
- 108. Charles F. Gritzner PhD, Professor Emeritus of Geography, author of the book "Changing Climates" (2010)
- 109. Mike Gruntman, Professor of Astronautics, Space Physics and Space Technology, Space and Rocket History University of Southern California
- 110. Thomas Gyorog, P.E., Project Manager and Designer of transportation infrastructure projects
- 111. Kenneth Haapala, President of the Science and Environmental Policy Project (SEPP), compiler of The Week That Was newsletter, and contributor to the NPCC reports. He is an energy and economics modeler and past president of the oldest science society of Washington
- 112. Stephen Hallin, Retired from Atmospheric Science (BA 81 MS 91)
- 113. Lyle W. Hancock, Professional Mathematician
- 114. Dr. William Happer, Professor Emeritus in the Department of Physics at Princeton University
- 115. Steven Harford PhD chemistry and lifetime career in renewable energy and aerospace research
- 116. Korbi Hart, Marketing Director Inland Crude Purchasing
- 117. Peter J. Hatgelakas, Masters in Petroleum Engineering, petroleum geologist, geophysicist, and petroleum engineer at Hatgelakas Consulting
- 118. Bryan Haycock PhD, Adjunct Faculty at a University in the state of Utah
- 119. Howard C. Hayden, Emeritus Professor of Physics, University of Connecticut
- 120. David Heald, Retired Electrical Engineer
- 121. Donald R. Healy, BS Degree in Forest Management from Oregon State University, Participated in Anthony Watts' first Surface Station Project
- 122. Dennis E. Hedke, Lifetime Career in Earth Sciences, Consulting Geophysicist; in 2018 Hedke was co-presenter of the testimony on Sea Level Rise before the Committee on Environmental protection of the New York City Council
- 123. Oliver Hemmers, Retired Executive Director of the Harry Reid Center at the University of Nevada, Las Vegas
- 124. James D. Henry, Consulting Geologist, BS Geology, U Texas Austin, 1970, founder of Old Aulacogen, L.P. in 1991

- 125. Gary L. Hoe P.E., Retired Colonel USAF, Technical Director of several Nuclear Weapon Effects Tests at the Nevada Test Site, Member Scientists for Accurate Radiation Information (SARI)
- 126. Jim Hollingworth, Social Scientist, Book: 'Climate Change: A Convenient Truth'
- 127. Dr. Gary M. Hoover, Geophysicist, Lifetime Experience in the Geo-Energy Industry, Retired Member Board of Directors Geo-Service Company
- 128. Christopher Paul Horger, lifetime experience in optical network design
- 129. Walter Horsting, leads national and international teams in high-profile projects, including Clean Energy, Entertainment Venues, Governmental Headquarters, Performance Centers, Resorts, Stadia, and Theme Parks. He is advocate of 4th generation Molten Salt Reactors
- 130. J. Stephen Huebner PhD, Retired Research Geologist, U.S. Geological Survey
- 131. Edward Huff PhD, Retired NASA Senior Scientist
- 132. Kanzan Inoue, MS & PhD in Physics, President & Physicist of Exponential Future LLC
- 133. Laurence N. Johnson, Lt Col, USAF (Ret), MS in meteorology, MSE in aerospace engineering
- 134. Dr. Thomas J. Karr, PhD physicist, Retired Principal Director in the U. S. Office of the Undersecretary of Defense for Research & Engineering
- 135. James Kelly PhD Physics, data science executive
- 136. Kathryn E. Kelly, President Delta Toxicology
- 137. Kerry Kelly, Geology degree. Energy and Environment Professional
- 138. Michael L. Kelly, US Navy, BS, Tool Design Engineer (retired)
- 139. Hugh Kendrick PhD, Retired Director Plans and Analysis, Office of Nuclear Reactor Research, US Dept. of Energy, Fellow American Physical Society
- 140. Kevin T. Kilty, Adjunct Prof. Mechanical Engineering at University of Wyoming
- 141. Floyd Lee Knapp BSc, Portland State University, 300 level Geography and Climatology
- 142. Stephen C. Knowles, Marine Scientist and Geologist, Beacon, New York
- 143. Kenneth D. Kok, retired Nuclear Engineer, ASME Fellow, Past Chair of the ASME Nuclear Engineering Division and the ASME Energy Committee
- 144. Alex Kozinski, Retired Judge on the US Court of Appeals
- 145. Wayne P. Kraus, Member American Institute of Chemical Engineers (AIChE)
- 146. Prof. Donald Langmuir PhD in Geological Sciences from Harvard University, Emeritus Professor of Chemistry and Geochemistry at the Colorado School of Mines, served on and chaired multiple committees related to water quality, and nuclear waste disposal; held also a US Presidential appointment to the US Nuclear WasteTechnical Review Board
- 147. 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
- 148. Jay Lehr PhD, Senior Policy Analyst for the International Climate Science Coalition, Former Science Director of the Heartland Institute
- 149. David P. Lentini, Chemist and Patent Attorney, New Hampshire
- 150. Dr. David H. Lester, PhD in Chemical Engineering, Advisor to allaboutenergy.net
- 151. James M. Leverentz, Instructor UCI, Manager, California
- 152. Howard R. Lowe, Prof. Eng., Geologist
- 153. Dean Lusby, IT professional, business owner, Pennsylvania
- 154. Jeffrey Mahn, Retired Nuclear Engineer Sandia National Laboratories (New Mexico), Member Scientists for Accurate Radiation Information (SARI), Member Nuclear Society (ANS)
- 155. Matt Malkan PhD, Distinguished Professor of Physics and Astronomy, UCLA
- 156. Wally Manheimer, Retired from the US Naval Research Lab and life fellow of APS and IEEE
- 157. 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
- 159. David Martinovich, General Science Teacher, grades K-12, United States, China, and Belize
- 160. John Mauer PhD in Atomic and Molecular Physics, 20 years experience as a physicist, currently business owner in statistical analysis and software
- 161. Kirk Maxey, BS Organic Chemistry, MD, President and Founder of Cayman Chemical Inc

- 162. Andy May, Writer and Retired Petrophysicist
- 163. Gene McCall, Consultant to the Defense Science Board, Former Consultant to the Department of Energy on Issues related to Inertial Fusion, Former Member and Chairman of the USAF SAB, Former Member of the Senior Review Group to the Defense Airborne, Airborne Reconnaissance Office (DARO) and Former Chairman of the Technology Assistance panel fir DARO
- 164. Dr. Neil J. McCarthy, Financial Consultant at N J Mc Carthy & Assoc, PhD in Organic Chemistry Cornell University
- 165. Craig McCluskey PhD, Physics
- 166. Richard McFarland, Retired NASA Physicist
- 167. Sean McGrew, Analytical Chemist, lifetime career in Chromatography/Mass Spectrometry, applications to semi-volatile organic compounds in the environment
- 168. Edward P. McMahon PhD in Systems Science, has been involved with atmospheric physics at General Research
- 169. Mark Meier PhD, Professor of Physics, University of Houston
- 170. Samuel Melfi, Emeritus Professor of Physics, UMBC, Retired NASA Scientist
- 171. Kenneth Melvin MD, Retired Professor of Medicine, Portland, Oregon
- 172. Dr. Daniel M. Merfeld, systems engineer (BSME U Wisconsin-Madison; MSE Princeton; PhD MIT), neuroscientist/neuroengineer by vocation, former Professor at the Harvard Medical School, Professor at the Ohio State University
- 173. Dr. Peter B. Merkle, Associate Professor in the School of Engineering at Benedictine College, educator in the area of environmental science and engineering, previously served in the U.S. government in an advisory role with respect to modeling and simulation of catastrophic events
- 174. Patrick J. Michaels †, Competitive Enterprise Institute, Washington DC
- 175. Michelle Michot Foss PhD, fellow in energy, minerals and materials at Rice University's Baker Institute
- 176. Steven Milloy, MHS, JD, LLM, Publisher
- 177. Ference M. Miskolczi, Retired NASA/AS&M Senior Scientist, Foreign Associate Member of the Hungarian Academy of Sciences
- 178. Michael J. Mitchell, Mechanical Engineer
- 179. Brian Moody, Former GET Specialist for SMS Equipment in Ft McMurray
- 180. James Moore, Commercial Fisherman, President Alaska Trawlers Association, Executive Committee Northern Southeast Regional Aquaculture Association, Board member Amstrong Keta Inc.
- 181. James R. Morris, Geophysical Exploration Oil & Natural Gas
- 182. Thomas L. Moser, Retired NASA Senior Executive Program Manager of the Space Station and Space Shuttle, Chief Engineer at NASA Johnson Space Center, Fellow of the AIAA, Founder of the "Right Climate Stuff", a group of former NASA Engineers & Scientists
- 183. David R. Motes, Chemical Engineer, lifelong experience in the geo-energy industry
- 184. James F. Mundy, Retired Meteorologist
- 185. Daniel W. Nebert, Professor Emeritus, Department of Environmental Medicine and Center for Environmental Genetics, University of Cincinnati
- 186. Prof. Eric L. Nelson PhD, Assistant Clinical Professor, Department of Public Health Sciences, University of California
- 187. Danny L. Newton, Retired from Federal Aviation Administration (FAA), Experience in Working with NOAA with respect to Experimental Weather Data Collection
- 188. Richard Nicholson, MD University Of South Alabama 1988, Family Medicine
- 189. Ned Nikolov PhD, Physical Scientist at the USFS Rocky Mountain Research Station in Fort Collins CO, Managing a Fire-Weather Intelligence Project
- 190. Paul Noel, Research Scientist (retired)
- Thomas O'Connor, Member American Association of Petroleum Geologists, Washington
- 192. Kenton Oma, Retired PE Chemical Engineer, Environmental Engineering, Environmental Consultant, R&D at DOE Nuclear Facility
- 193. Jane M. Orient, President of Doctors for Disaster Preparedness
- 194. Tench C. Page, MSc & BSc in Geology including study of causes and effects of earth's climatic history
- Trueman D. Parish, Retired Director of Engineering Research Eastman Chemical Company
- 196. Arvid Pasto PhD, Ceramics, Retired from the Oak Ridge National Laboratory, TN

- 197. Chad M. Paton PhD, Associate Professor at University of Georgia
- 198. Bill Pekny, MS Physics, Retired atmospheric physicist and soldier scientist, specializing in battlefield atmospherics. Former U.S. Navy Meteorologist and Hurricane Hunter during "Project Stormfury-1969." Author of the book: A Tale of Two Climates—One Real, One Imaginary
- 199. Charles W. Pennington, Senior Vice President of Engineering NAC International (Retired), Secretary, XLNT Foundation, Board of Directors
- 200. Jeffrey S. Philbin, Retired Nuclear Engineer Sandia National Laboratories (New Mexico), Independent Consultant in Nuclear Facility Design and Safety Analysis, Nuclear Criticality Safety and Weapon Response
- 201. Dr. Robert B. Phillips, retired from radio astrophysics, specialised in calibration and validation of orbital IR and visible sensors (GOESS, STSS-1 and -2)
- 202. James Richard Poirier, BS degree in Meteorology, Lifetime Career in Atmospheric Science
- 203. James M. Policelli, Registered Professional Engineer
- 204. Herman A. Pope, Retired Aerospace Engineer NASA-JSC
- 205. Willem Post, Independent Researcher regarding Energy and Environment
- 206. Darrell Potter, Retired Geologist/Environmental Hydrogeologist
- 207. Dr. William H. Pound PhD Major in Industrial Engineering with Minor in Materials Science, lifetime experience in the manufacturing industry with focus on technical, engineering, environmental, and quality assurance
- 208. Dr. Victor Privalsky PhD, ScD in physics and mathematics, UT Oceanographer and specialised in random processes, retired from Space Dynamics Laboratory, Logan
- 209. Kenneth L. Purdy, Management Consultant, Retired Naval Officer in Operational Intelligence
- 210. Brian D. Ray PhD in science education from Oregon State University, Salem
- 211. 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
- 212. Edward A. Reid, lifetime experience in the US energy industry in technical research and development, market development, marketing and consulting
- 213. Fred A Reitman, career as petrochemical toxicologist, retired
- 214. Forrest J. Remick, Commissioner (Retired), US Nuclear Regulatory Commission
- 215. David K. Rogers, PE, CEG MS, Geological Engineering, Member of the Boards of Consultants for the Federal Energy Regulatory Commission
- 216. Dr. Jennifer Runquist PhD from Northwestern Unv, Evanston IL related to photosynthesis
- 217. Marius Russo, IT expert
- 218. James H. Rust, Emeritus Professor of Nuclear Engineering, Georgia Institute of Technology
- 219. Charles L. Sanders, Retired Radiobiologist, Author of Radiobiology and Radiation Hormesis: New Evidence and Its Implications for Medicine and Society (Springer)
- 220. Rick Sanders M.A., Scientists for Accuracy in Radiation Information (SARI), Associate Editor, 21st Century Science and Technology Magazine
- 221. Kent Satterlee, Executive Director at Gulf Offshore Research Institute (GORI)
- 222. Dana H. Saylor Sr., a lifelong agriculturalist, retired, article "Living a lifetime of climate change"
- 223. Edwin T. Sewall, Retired BS Electrical Engineering, Southern MethodistUniversity 1960 Dallas Texas
- 224. Brian Schmidt, Co-Founder and Chief Visionary Officer of Primary Ocean Aquaculture division and Primary Bio Agriculture Agriculture division
- 225. Mike Schimmelpfennig, Degreed Mining Engineer with more than 40 years of experience
- 226. Harold Grant Scoggins, retired IT professional
- 227. 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
- 228. Roscoe M. Shaw, meteorologist and portfolio manager
- 229. Dr. Thomas P. Sheahen, Chairman, Science & Environmental Policy Project
- 230. Dr. Roger Sheley, Ecologist, USDA-Agricultural Research Service; Editor-in-Chief of the international journal-Rangeland Ecology and Management
- 231. John Shewchuk, Meteorologist (CCM) and Atmospheric Researcher

- 232. Stephen W. Shipman, Institutional Investor
- 233. Ryan Shrout, Environmental Attorney with a Masters of Law in Environmental Law practicing in the air emissions field
- 234. Dr. Matthew Eric Shultz, University of Delaware, Dept. of Physics & Astronomy, specialised in Stellar Astrophysics, Annie Jump Cannon Fellow

## 235. David Siegel, author, entrepreneur, critical thinker, communicator (1000th signee)

- 236. Elliot Smith, airline pilot, climate realist, 30+ years of studying AGW data
- 237. Robert P. Smith PhD, P.E., Environmental Scientist and Professional Engineer'
- 238. Professor William H. Smith, Professor of Earth & Planetary Sciences; Astronomer and Planetary & Atmospheric Scientist; most recently involved in the Analysis of the Earth's Climate and Renewable Energy Systems
- 239. Willie Soon, Independent Scientist
- 240. Prof. George Sowers PhD, Space Resources, Colorado School of Mines
- 241. Prof. Rick Bernard Spielman, Senior Scientist & Professor of Physics, University of Rochester, Laboratory for Laser Energetics
- 242. Robert M. St. Louis MSc in geology, owner of Mine Water Consulting LLC
- 243. Kirk Douglas Stahnke, MS Educ. Prof of Design Tech (Retired), Independent Climate Researcher
- 244. Walter Starck PhD, Marine Science, Pioneer in Coral Reef Studies, Policy Advisor to The Heartland Institute
- 245. Jess L. Stark, Founder and CEO of Stark Industries, Houston, Texas
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- 247. Phil Stegemoeller, Professional Forester, Partnership with the Quinault Indian Nation, a BS in forest management at the University of Minnesota, 1979
- 248. Ronald Stein, Professional Engineer
- 249. Kenneth S. Stevens PhD, Professor, University of Utah, Electrical and Computer Engineering Dept
- 250. Gerald M. Sulzer, MS Chemical Engineer, Retired Director of Technology, Albemarle Corporation
- 251. Dr. Daniel P. Taggart PhD in Experimental Plasma Physics, life time career in Controlled Thermonuclear Research and Radiation Protection at Los Alamos National Laboratory
- 252. Tomer D. Tamarkin, Physicist, Founder and President/CEO of Energycite Inc., President and Chairman of ClimateCite Inc.
- 253. Paul Taylor, Energy Economist, Recipient Rossitor Raymond Award, Golden Colorado
- 254. David E. Thompson, Professor Emeritus Mechanical Engineering and Computer Science, Dean Emeritus College of Engineering, University of Idaho
- 255. Francis Thompson, Space Vehicle Engineer, Masters in General Relativity
- 256. Roane Thorpe, BSME California Polytechnic, MBA University of California, lifetime career in global energy projects
- 257. Gordon Tomb, Energy and climate writer, communications consultant, primary editor of Inconvenient Facts and Senior Advisor for the CO2 Coalition
- 258. Cecil Joe Tomlinson, Retired Boeing Senior Principle Engineer
- 259. Frank Trask, BS Degree in Mechanical Engineering, University of Maine
- 260. Kip Trout, Lecturer in Physics, The Pennsylvania State University York Campus
- 261. Richard Trzupek, Chemist and Air Quality Expert
- 262. Arthur Viterito PhD, Physical Geography, Policy Adviser to the Heartland Institute
- 263. Whitson G. Waldo, Scientist and Engineer with MS Chemical Engineering from Clemson Univ, lifetime career in the semiconductor industry, owner of 13 awarded patents
- 264. William B. Walters, Guggenheim Fellow, Professor of Atmospheric, Nuclear and Environmental Chemistry, University of Maryland
- 265. James Wanliss, Professor of Physics, Presbyterian College
- 266. Steven E. Weismantel, Retired Engineer and Climate Researcher
- 267. Dr. Steven C. Wendelken, EPA, OGWDW/TSC, climate realist
- 268. Gary S. Westerman PhD, physical geography with specializations in climate science and remote sensing
- 269. Stephen H Westing PhD, Director Medical Affairs, Regeneron Pharmaceuticals, Inc.
- 270. Jim Whiting, MD from McGill U, Montreal, Fellow of the American College of Radiology
- 271. Chuck F. Wiese, Professional Meteorologist

- 272. Dr Matthew Wielicki PhD in Geochemistry from UCLA, Assistant Professor of Geological Sciences at the University of Alabama
- 273. David Wojick, Cognitive Scientist
- 274. Dr. Calvin M. Wolff, Adjunct Professor University of Houston at Clear Lake, Expertise in Energy Management
- 275. Gregory R. Wrightstone, Expert Reviewer IPCC, Geologist, Author, Member CO<sub>2</sub>
- 276. Dan Youra, publisher Youra media, creator and editor of Carbon Tax News
- 277. Bob Zybach, Program Manager, Oregon Websites and Watersheds Project Inc.



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The World Climate Declaration was initiated in 2019 by emeritus professor Guus Berkhout, founder of the Dutch Climate Intelligence Foundation (CLINTEL). The list of signatories is a living document that is regularly updated with new additions. The most up-to-date version can be found on www.clintel.org.

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