

World Climate Declaration

# THERE IS NO CLIMATE EMERGENCY



GLOBAL CLIMATE INTELLIGENCE GROUP

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# There is no climate emergency

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

## **Natural as well as anthropogenic factors cause warming**

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

## **Warming is far slower than predicted**

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

## **Climate policy relies on inadequate models**

Climate models have many shortcomings and are not remotely plausible as policy tools. They do not only exaggerate the effect of greenhouse gases, they also ignore the fact that enriching the atmosphere with CO<sub>2</sub> is beneficial.

## **CO<sub>2</sub> is plant food, the basis of all life on Earth**

CO<sub>2</sub> is not a pollutant. It is essential to all life on Earth. More CO<sub>2</sub> is favorable for nature, greening our planet. Additional CO<sub>2</sub> in the air has promoted growth in global plant biomass. It is also profitable for agriculture, increasing the yields of crops worldwide.

## **Global warming has not increased natural disasters**

There is no statistical evidence that global warming is intensifying hurricanes, floods, droughts and suchlike natural disasters, or making them more frequent. However, there is ample evidence that CO<sub>2</sub>-mitigation measures are as damaging as they are costly.

## **Climate policy must respect scientific and economic realities**

There is no climate emergency. Therefore, there is no cause for panic and alarm. We strongly oppose the harmful and unrealistic net-zero CO<sub>2</sub> policy proposed for 2050. Go for adaptation instead of mitigation; adaptation works whatever the causes are.

OUR ADVICE TO THE 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

NOBEL LAUREATE PROFESSOR IVAR GIAEVER NORWAY/USA  
PROFESSOR GUUS BERKHOUT / THE NETHERLANDS  
DR. CORNELIS LE PAIR / THE NETHERLANDS  
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MONTE NEGRO



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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
2. Viv Forbes, Geologist with Special Interest in Climate, Founder of [www.carbon-sense.com](http://www.carbon-sense.com), Queensland, Australia; WCD Ambassador
3. D. Weston Allen, Physician and Medical Director of Kingscliff Health, New South Wales, Author of a number of Climate-related papers
4. Don Andersen, Retired Teacher, Programmer
5. David Archibald, Research Scientist
6. Rick Armstrong, retired metallurgist and strategic planner
7. 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
11. Dr. Colin M. Barton, Geologist, Retired Civil Engineer with Experience in Project Control, Research and Professional Training, Honorary Fellow RMIT University Australia
12. Gordon Batt, Director GCB Investments Pty Ltd.
13. Maxwell Charles S. Beck, lifetime of experience in law, retired Magistrate and Coroner on the bench
14. Robert M. Bell, Retired Geologist, Victoria
15. Richard Blayden, Professional Engineer
16. Colin Boyce, Engineer, Member of Parliament, Queensland State Parliament, Engineer, Farmer and Entrepreneur
17. Howard Thomas Brady, Member Explorers Club of New York, Member of the Australian Academy of Forensic Sciences
18. Geoff Brown, Organizer of a Critical Climate Group
19. Andrew Browne, Exploration Geoscientist, Fellow AusIMM (CP), 50 Years Global Experience
20. Frank Brus, holds a B. Comm from UNSW, spent most of his working life with the Electricity Commission of NSW
21. Ernest Buchan, Chartered Engineer MIET, Kardinya, W. Australia
22. Douglas Buerger, Fellow Australasian Institute of Mining and Metallurgy, Member of Australian Institute of Company Directors
23. Mike Bugler, Retired Environmental Consultant
24. Charles Camenzuli, Structural Engineer specializing in Remedial Work, Catcam Group, Sydney
25. Ray Carman, Organic Chemist, Honorary Fellow University of Queensland
26. Peter Champness, Radiologist
27. Andrew E. Chapman, Expert on Rainfall and Flood Events
28. Michael F. Clancy, Retired Civil Engineer, Brisbane
29. Martin Clark, Expert in Building Design, Planning and Landscaping, Townsville NQ
30. Richard Corbett, Member Royal Australian Chemical Institute, Member of The Clean Air Society of Australia and New Zealand
31. Dr. Michael Creech, lifetime active as Geologist; Dr. Creech informs the public by giving presentations on Climate Change
32. Matt Crisanti BSc, UniSA, Science Faculty Coordinator at St. Columba College in 2008
33. Majorie Curtis, Retired Geologist, Stratigrapher and Palaeoclimatic Studies, Canberra
34. Eric Daniel, Retired IT Consultant

35. Arthur Day, Earth Scientist, Specialist in Geochemical Modelling of Volcanic Processes
36. David H. Denham, lifetime experience as Architect (B Arch), active in giving talks and writing opinion articles on climate change
37. Geoff Derrick, Geologist
38. Trish Dewhirst, Retired Geologist, Queensland
39. Bevan Dockery BSc (UWA), Grad.Dip.Computing (Curtin U), Exploration Geophysicist in minerals world-wide
40. Aert Driessen, Geologist, Fellow Australian Institute of Geoscientists
41. John A. Earthrowl, Retired Geologist, Brisbane
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
44. Dr. Stephen David English, PhD in Crop Physiology from University of New England, Retired Agricultural Scientist
45. Matthew J. Fagan, Founder and President of FastCAM Inc.
46. Dr. Rodney Fripp, Mining Geologist and Chemist by education, lifetime experience in the fields of Mining and Exploration Geology, Analytical Chemistry and Physics of the Earth
47. Christopher J.S. Game, Retired Neurophysiologist
48. Robin George, Geologist, Canterbury
49. David Gibson, Experimental Physicist
50. Andrew Gillies, Geologist
51. Gavin Gillman, Former Senior Principal Research Scientist with SCIRO Australia, Founding Director of the IITA Ecoregional Research Centre in Cameroon for the International Institute for Tropical Agriculture (IITA)
52. Paul R.C. Goard BSc Sydney University, Physics & Maths, + Two years geology, one year Chemistry, member of the Australian Meteorological & Oceanographic Society
53. Brendan Godwin, Weather Observations and General Meteorology, Radio (EMR and Radar) Technical Officer, Retired from Bureau of Meteorology
54. Hamish Grant, MR Spectroscopy & Imaging Consultant, Victoria
55. Dr. Kesten C. Green, Leading Researcher on forecasting Methods and Applications, University of South Australia, first author of "Validity of Climate Change forecasting for public policy decision making"
56. Jeffrey R. Grimshaw MSc Information Technology specialising in computer modelling, prediction, optimisation and advanced AI, Author of Trigger Warming, Everything You Wanted To Know About Global Warming But Were Afraid To Ask
57. Guy Grocott MSc Engineering Geology, Retired Consulting Engineering Geologist/ Geotechnical Engineer
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
60. Erl Happ, Managing Director at Happs
61. John Happs, Geoscientist, Retired University Lecturer
62. Peter J.F. Harris, Retired Engineer (Electronic), now Climate Researcher
63. Paul Leonard Harrison, Geophysicist with an M.Sc in Geology and Geophysics, over 45 years experience in research and exploration for the geo-energy industry
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
67. Gerhard Hofmann, Geologist and Palaeontologist, Former Director of the Geological Survey of Queensland
68. Robert Ian Holmes PhD in Climate Science/Mitigation, University Lecturer (retired) and Climate Scientist
69. Selwyn Hopley, MSSSI, Retired Land and Engineering Surveyor
70. Antonia Howarth-Wass, Mathematician
71. Geraint Hughes, Climate Researcher, Mechanical Building Engineer, Climate Researcher

72. Douglas Hutchison BSc and MSc degrees in geology, consulting geologist in the mining industry, member of the Australian Institute of Geoscientists
73. David Hyde MEnvSt, Environmental Biology, Former Scientific Chairman of Australian Underwater Federation (NSW)
74. Paul Ingram, Qualified Geologist, Member of the Australian Institute of Mining and Metallurgy, studying Palaeoanthropology and Human Evolution
75. Mr. Anthony Jackson, Bachelor of Arts degree, Bachelor of Laws degree, retired
76. Ian Johnson, Bachelor of Engineering, consultant
77. Mike Jonas, IT consultant, retired, frequent contributor to Watts Up With That?
78. Prof. Aynsley Kellow, Professor emeritus of Government, College of Arts, Law and Education, University of Tasmania
79. Alison Kelsey PhD, Palaeoclimatologist and Archaeologist University of Queensland
80. Kevin Kemmis, Climate Researcher, Expert in Information Technology
81. Neil Killion, MA in Psychology, active in the climate debate, member of the Saltbush club
82. Bill Kininmonth BSc (UWA), MSc (CSU), M. Admin. (Monash), Former Superintendent of the Bureau of Meteorology National Climate Center
83. David Knox, IT professional, bachelors in business (Uni of South Australia) and a Masters degree in business administration (Charles Sturt University)
84. Rosemarie Kryger PhD, Biochemistry, Retired, University of Queensland, Brisbane
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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
90. Ian Longley, Geologist, BSc (Hons) Petroleum Geologist, Fellow of the Geological Society
91. Kevin A. Loughrey, LtCol(Ret'd) BAppSc, BE Mech(hons), psc, jssc, Grad Dip Strategic Studies
92. Finlay MacRitchie, Professor Emeritus in the Department of Grain Science and Industry at Kansas State University USA
93. John Ross May BSc, Adip, Cres., Management of Forests and National Parks in Victoria
94. Gerard McGann, Technical Director Eon NRG
95. Rodney McKellar, Retired Geologist, Queensland
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 Michelmores, 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)
105. John Edward Nethery, Consultant Geologist, Bachelor of Science Fellow of Australasian Institute of Mining and Metallurgy (Chartered Professional), Fellow Australian Institute of Geoscientists, Fellow Society of Economic Geologists, Member of Geological Society of Australia
106. John Nicol PhD, Retired Senior Lecturer Physics and one time Dean of Science, James Cook University, North Queensland
107. Clifford David Ollier DSc, Geologist, Emeritus Professor of Geology and Honorary Research Fellow at the School of Earth and Geographical Sciences, University of Western Australia
108. Paul John O'Keeffe, MB, BS, FRCS, FRACS, Retired Surgeon
109. David Parsons B.E Mech. FIE Aust CPEng NER, Principal Design Engineer, specialised in boiler design and gas radiation analysis
110. M. Louise Petrick MSc Applied Science, Materials and Welding Engineer
111. Alistair Pope PSc, CM, Sceptical Scientific Contrarian in the Climate Debate



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
119. 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
123. Robert Sambell PhD, Physics, Professional Geophysicist
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
126. Jim Simpson, Retired from Managing Positions in different International Telecommunications Firms, nowadays Convenor of "The Climate Realists of Five Dock", Sydney Australia."
127. Case Smit, Physicist, Expert in Environmental Protection, Co-Founder of the Galileo Movement
128. Edward Smith, Chartered Chemist, member of the Royal Australian Institute of Chemistry (RACI), lifetime of experience in the Pharmaceutical industry
129. Lee Smith, University Lecturer in Spatial Technology, Responsible for State Government Precise Monitoring of Sea Level and International Sea Boundaries
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
134. Dr. Nancy Enid Stone, B.Sc (Hons), University of Western Australia. (1950), Ph.D Cantab. (1956), Retired Research Biochemist
135. Rodney R. Stuart, Retired Expert in Energy Industry, Tasmania
136. Roger Symons, Professional Engineer, Expert in Temperature Control of Industrial Buildings
137. James Taylor, Electrical Aerospace and Astrophysics Engineer, Computer Modelling Researcher
138. Rustyn Wesley Thomas, Retired Aircraft Engineer
139. Tony Thomas MA, BEc, journalist and author for more than 60 years
140. John W. Turner, Science Educator, Noosa Heads
141. Ralph J. Tyler, Retired Senior Principal Research Chemist, CSIRO, expert in conversion of coal and natural gas to liquid fuel
142. Peter Tyrer, Project Controls Engineer in Mining Industry
143. Dr. Julian Vearncombe PhD, Geologist, Fellow Australian Institute of Geoscientists
144. Terrence Vincent, Security Engineer, Small Business Adviser AIST, ASIAL, SMBE
145. James Walter, Medical Doctor
146. John Warnock, Astro Economist
147. Chris Warren, Retired Engineer, Design and Construction of Dams and feasibility of Coal Mines
148. Alan C. Watts, Medical Practitioner specialized in Effects of Infrasound on Human Health
149. Colleen J. Watts, Retired Environmental Scientist with specialization in Aquatic Chemistry and Environmental Consequences of Renewable Energy
150. Neil Wilkins, Retired Geologist
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
153. P.C. Wilson, Former Journalist with the A.B.C. Queensland
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



## SCIENTISTS AND PROFESSIONALS FROM AUSTRIA

1. Dr. Gerhard Kirchner, Berg Ingenieur, Climate Realist
2. Dipl Ing, Dr rer techn Heribert Martinides, European Space Agency, retired
3. Rudolf Posch PhD, Retired Software Engineer of a Technical Multinational, Expert in Nonlinearities and Feedbacks
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



## SCIENTISTS AND PROFESSIONALS FROM BANGLADESH

1. Aftab Alam Khan PhD, Active Professor Geological Oceanography, BSMR Maritime University, Retired Professor of Geology and Geophysics of Dhaka University



## SCIENTISTS AND PROFESSIONALS FROM BARBADOS

1. Fred Corbin, Director of CSW Engineering 2000, a company that is leading the Caribbean Region in Sustainable Economic Project Design, and co-founder of The FREEWINDS organization that is aiming at the enhancement of the economic opportunities of the 18 Caricom Territories



## SCIENTISTS AND PROFESSIONALS FROM BELGIUM

1. *Henri A. Masson, Professor Emeritus Dynamic System Analysis and Data Mining, University of Antwerp, French speaking Belgium; WCD Ambassador*
2. *Ferdinand Meeus, Retired Dr. Sc (Chemistry, photophysics, photochemistry), IPCC Expert Reviewer AR6; WCD Ambassador*
3. Rudy Berkvens, Information Security and Quality Management Auditor in ICT and Aviation, Commercial Pilot, Flight Instructor
4. Eric Blondeel, Retired Civil Engineer
5. Emiel van Broekhoven †, Emeritus Professor of Economics, University of Antwerp
6. Christophe de Brouwer MD, Honorary Professor of Environmental and Industrial Toxicology, Former President of the School of Public Health at the Université Libre de Bruxelles
7. Alexandre G. Clauwaert, Brussels polytechnic, civil engineer AiBr and Insead Cedep general management program, Former VP marketing & communication nv AGM sa Antwerp, VP customer relations Electrabel distribution, VP group strategy & development Suez Tractebel sa Brussels & Paris, VP strategy Suez / Engie , Corporate auditor Engie
8. Rudi Creemers, Eur. Ing. MSc Electronics-ICT, Network engineer/manager
9. Benjamin Damien, Docteur en Biologie et Entrepreneur en Biotechnologie
10. Ferdinand Engelbeen, Former Chemical Process Automation Engineer, Akzo Nobel Chemicals
11. Samuel Furfari, Professor of Energy Geopolitics at the Free University of Brussels
12. Georges Geuskens, Emeritus Professor of Chemistry, Free University of Brussels and Expert Publicist on Climate Science
13. Drieu Godefridi PhD, Law, Author of several books
14. Jan Goffa, Civil Engineer Applied Mechanics, Retired lecturer in thermo- and aerodynamics
15. Dr. Volkmar Hierner, degree in business administration and economy, retired coach of companies in increasing the effectiveness of their organization
16. Jan Jacobs, Science Journalist specializing in Climate and Energy Transition
17. Guy Janssen MSc Applied Sciences (civil engineer electromechanics), MSc Nuclear Engineering, Reactor Sciences, experienced conventional electric power expert
18. Raymond Koch, Retired Research Director at Lab. Plasma Physics, RMA Brussels and Fellow Lecturer at Umons

19. Rob Lemeire, Publicist on Environmental and Climate Issues
20. Jean Meeus, Retired Meteorologist, Brussels Airport, Author of the Best Seller Astronomical Algorithms
21. Ernest Mund, Honorary Research Scientist, Honorary Research Director, FNRS, Nuclear Engineering
22. Bart Ooghe, Geologist & Geophysicist, Independent Scientist
23. Jaak Peeters, Psychologist and Writer
24. Eric Perpète, Microcomputed Tomography Scientist, FNRS Senior Research Associate in Chemical Physics
25. Dr. Hugo Poppe, Emeritus hoogleraar, Weer- en Klimaatkunde, KU-Leuven, 1966-2002
26. Alain R. Pr  at PhD in Geology, Emeritus Professor at Universit   Libre de Bruxelles
27. Phil Salmon, Computer Tomography Scientist, Kontich
28. Jozef Verhulst PhD, Chemistry, Author
29. Jean van Vliet, Retired Specialist in Space Weather
30. Dr. Marc Wathelet, PhD in Molecular Biology, Free University of Brussels
31. Appo van der Wiel, Senior Development Engineer



## SCIENTISTS AND PROFESSIONALS FROM BOLIVIA

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



## SCIENTISTS AND PROFESSIONALS FROM BRAZIL

1. *Dr. Thiago Maia, Nuclear Physicist, PhD in Astrophysics; WCD Ambassador*
2. Dr. Peter Brian Bayley PhD, lifetime experience in Aquatic Ecology and Fisheries, retired from Dep. Fisheries & Wildlife, Oregon State University
3. Mario de Carvalho Fontes Neto, Agronomist, Editor of 'The Great Global Warming Swindle'
4. Jos   Bueno Conti, Geographer and Professor of Climatology, Full Professor of the Geography Department at the University of Sao Paulo (USP)
5. Dr. Johnson Delibero Angelo, Master and PhD in Material Science, Industrial Chemist, Emeritus Collaborating Professor of Postgraduate Studies in Mechanical Engineering at UFABC
6. Prof. Dr. Ricardo Augusto Felicio BSc Meteorology - USP, MSc Antarctic Meteorology and Satellites - INPE, PhD in Climatology - Physical Geography - USP
7. Richard Jakubazsko, Executive Editor of Agro DBO Magazine and Co-Author of the Book 'CO2, Warming and Climate Change: Are you kidding us?'
8. Dr. George Lentz Cesar Fruehauf, BSc Doctor of Sciences - USP, MSc Meteorology - SJSU, expert in environmental engineering
9. Luiz Carlos Badicero Molion, Emeritus Professor of the Federal University of Alagoas (UFAL), Formerly of the National Institute of Space research (INPE)
10. Prof. Marcos Jos   de Oliveira, Environmental Engineer, Master in Climatology, Author of research articles about climate cycles and natural causes of climate change
11. Jos   Carlos Parente de Oliveira, Physicist, Professor at the Federal Institute of Education, Science and Technology of Cear   (IFCE), Retired Associate Professor of the Federal University of Cear   (UFC)
12. Guilherme Polli Rodrigues, Geographer, Master in Climatology, Environmental Consultant
13. Geraldo Luis Saraiva Lino, Geologist, Author of 'How a Natural Phenomenon Was Converted into a False Global Emergency'
14. Marcello Silva Sader, Graduated in Veterinary Medicine and Computer Sciences
15. Daniela de Souza Onca, Professor of the Geography Department of the State University of Santa Catarina (UDESC)
16. Igor Vaz Maquieira, Biologist, Specialist in Environmental Management



## SCIENTISTS AND PROFESSIONALS FROM BULGARIA

1. Fabrice Toussaint, lifetime of experience in the Geo-Energy Industry, expert in complex numerical modelling





## SCIENTISTS AND PROFESSIONALS FROM CANADA

1. Dr. Patrick Moore, Ecologist, Chair CO2 Coalition, Co-Founder Greenpeace; WCD Ambassador
2. Reynald Du Berger, Retired Professor of Geophysics, Université du Québec à Chicoutimi, French Canada; WCD Ambassador
3. Steven Ambler PhD, Full Professor University of Quebec, Dept. of Economics
4. John Andersen BSc, Honours, University of Alberta
5. Dr. Grant Armstrong, Leadership development and coaching
6. Russ Babcock, retired biochemist, lifetime experience in the mining and smelting industry with emphasis on pollution abatement
7. Tim Ball †, Emeritus Professor Geography, University of Winnipeg and Advisor of the International Science Coalition
8. Ron Barmby M.Eng in Engineering with major in Geoscience, Author of 'Sunlight in Climate Change: A Heretic's Guide to Global Climate Hysteria
9. Timothy J. Barrett PhD, Geochemical Researcher, Ore Systems Consulting
10. Kevin Burke MSc in Marine Biology, high school teacher, author/co-author of 2 technical reports with the Department of Fisheries and Oceans and 2 scientific articles published in the Journal of Shellfish Research
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
16. Jacques Brassard, Minister of Recreation (1984), Minister of Environment (1994), Minister of Transport and Intergovernmental Affairs of Canada (1996), Minister of Natural Resources (incl. Hydro-Québec) and House Leader
17. Michel Chapdelaine MSc, Géologie, Montréal
18. Henry Clark, Thermal/Power Engineer
19. Ian Clark, Professor of Earth and Environmental Sciences, University of Ottawa
20. Edmond (Ted) Clarke MSc, Engineering, Member of Friends on Science Society
21. Paulo N. Correa, Biophysicist and Oncologist, Inventor, Author of numerous books and research papers, Director of Research at Aurora Biophysics Research Institute
22. Hortense Côté, Ingénieur Géologue, Goldminds
23. Susan Crockford, Zoologist and Polar Bear Expert, Former Adjunct Professor University of Victoria
24. Norman Curry, Technical College, Design Engineering-Mechanical Engineering, President of National Zephyr Research
25. Ronald Davison, Professional Chemical Engineer
26. Dr. E. David Day BSc, PhD, Chemistry
27. A.E. (Ted) Dixon PhD, Emeritus Professor of Physics, University of Waterloo
28. Eric Ducharme MSc, Géologie, Abitibi
29. Michel Dumais, Ingénieur Civil Retraité, Université d'Ottawa
30. Dr. George Duncan PhD, retired Environmental Consultant from A&A Environmental Consultants Inc.
31. Claude Duplessis BcSc, Géologie, Ingénieur Géologue, Goldminds
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
37. Thomas P. Gallagher, Earth Scientists, life-long career in the study of paleoclimate, geology and earth ocean systems, see <https://www.youtube.com/watch?v=pj-lu1i317E>
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
41. Mark T. Hohm, Professional Engineer registered with the Association of Professional Engineers and Geoscientists of Alberta (APEGA)
42. R.G. Holtby, profesional agrolologist

43. 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)
44. Rick Ironside, Director Fortress ESG, provides specialized expertise to help clients map out their journey to attempt to achieve the goal of net zero by 2050
45. 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
46. Paul A. Johnston, Associate Professor, Paleontology, Paleoecology, Department of Earth and Environmental Sciences, Mount Royal University, Calgary, Alberta
47. Richard T. Jones, experimental physicist, researched in the field of fission energy
48. E. Craig Jowett, Geologist and Environmental Researcher PhD University of Toronto
49. Klaus L.E. Kaiser, Retired Research Scientist, National Water Research Institute, Author of Numerous Press Articles
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
53. Kees van Kooten, Professor of Economics and Canada Research Chair in Environmental Studies and Climate, University of Victoria
54. 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, retired
55. Jean Laberge, Professeur Retraité de Philosophie, CEGEP du Vieux Montréal
56. Sherri Lange, CEO North American Platform Against Wind Power, Great Lakes Wind Truth
57. M.J. Lavigne MSc, Professional Geologist
58. Douglas Leahey PhD, Meteorology, past President of Friends of Science
59. Professor Denis Leahy, PhD in Astrophysics, Full Professor in the Department of Physics and Astronomy, University of Calgary
60. Robert Ledoux PhD, Professeur Retraité en Géologie, Université Laval
61. Dick Leppky, Retired businessman and Independent Truth Seeker
62. 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
65. 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
68. Stuart McDonald, Retired Canadian Insurance Broker
69. 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
72. Randall S. Morley, veterinary epidemiologist, retired
73. Dr. Thomas F. Moslow PhD, P. Geol., President Moslow Geoscience Consulting Ltd., Adjunct Professor Department of Geoscience, University of Calgary
74. Roland Moutal, Teacher Physics and Chemistry at Vancouver Community College
75. 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
79. Prof. David A. Penny PhD, Former Associate Professor, Dept. of Computer Science, University of Toronto, currently CTO at BlueCat Networks

80. 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 Salenius, 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
92. 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 Shephard 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
99. 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
103. 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
2. 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

1. 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
3. Vaclav Hubiner, Retired Ambassador, Anthropologist, Climate Policy Commentator for [www.forum24.cz](http://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
6. 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
9. Ing. Miroslav Žáček PhD, applied geochemistry, been working on the climate for more than 10 years as a geochemist



### SCIENTISTS AND PROFESSIONALS FROM DENMARK

1. 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
3. Dr. Hans Götzsche, Emeritus Associate Professor, Linguistics and Philosophy of Science, President Nordic Association of Linguists (NAL), Director, Center for Linguistics, Aalborg University
4. Frank Hansen, Emeritus Professor, Department of Mathematics, University of Copenhagen
5. Sören Kjærsgaard, 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 Loch, 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

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



## SCIENTISTS AND PROFESSIONALS FROM ECUADOR

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



## SCIENTISTS AND PROFESSIONALS FROM FINLAND

1. 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

1. *Benoît Rittaud, Assistant Professor of Mathematics at University of Paris-Nord, President of the French Association des climato-réalistes; WCD Ambassador*
2. Jean-Charles Abbé, Former Research Director at CNRS, Labs Director (Strasbourg, Nantes) in Radiochemistry, Expert at NATO and IAEA
3. Pascal Acot, Centre National de la Recherche Scientifique, Paris
4. Bertrand Alliot, Environmentalist
5. Charles Aubourg, Full Professor at the University of Pau, Geophysicist
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
9. Yorik Baunay, Geographer (Master 2) specialized in the natural risk and crisis management, CEO of Ubyrisk Consultants (firm specialized on natural hazard mitigation)
10. Bernard Beauzamy, University Professor (Ret.), Chairman and CEO, Société de Calcul Mathématique SA (Paris)
11. Serge Bellotto PhD, Geology
12. 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)
16. Christian Buson PhD, Agronomy, Director of Research in a Company (impact studies in Environmental Issues, Sewage Treatment)
17. 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
19. 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
22. Bruno Chaumontet, Engineer ENSEA, specialized in Feedback Systems
23. Pascal Chondroyannis, Forest Engineer, Retired Director of the National Alpine Botanical Conservatory (2008-2013)
24. Jean Michel Colin PhD, Retired Chemist Engineer, Expert for the French Academic Evaluation Agency (AERES)
25. Philippe Colomban, CNRS Research Emeritus Professor, Former Head of Laboratory at Université Pierre-et-Marie Curie, Expert in Hydrogen-based Energy Storage

26. 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
29. Vincent Courtillot, Geophysicist, Member of the French Academy of Sciences, Former Director of the Institut 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
44. 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 Gerondeau, 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 Grenoble) 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
65. 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 Co-founder 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
74. Serge Morin, Emeritus Professor Geography at Université Michel de Montaigne, Bordeaux, Honorary Mayor 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. Bertrand 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
90. 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
95. Brigitte van Vliet-Lanoë, Geoscientist, Emeritus Research Director (CNRS, Université de Bretagne Occidentale), Stratigraphy and Palaeoenvironments, 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

1. 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
24. 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
39. 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
47. 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
50. 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
55. 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

1. *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*
3. *Anthony Foscolos, Emeritus Professor of Mineral Resources at the Technical University of Crete, Energy Consultant for the United Nations Development Program (UNDP)*

4. 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
5. 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
7. 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
9. Nikos Mamassis, Associate Professor of Engineering Hydrology and Hydrometeorology at the National Technical University of Athens
10. Spyridon Nikiforos, Economist, MBA
11. 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. István Héjjas PhD, Retired R&D Electrical Engineering
5. József Király, Chemical Engineer and one of the Authors of the Hungarian site [www.klimarealista.hu](http://www.klimarealista.hu)
6. Dr. Gábor Szász, Professor Emeritus, College Professor Dennis Gabor College Department of Economics and Engineering



#### SCIENTISTS AND PROFESSIONALS FROM INDIA

1. 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

1. *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



12. Peter O'Neill, Retired, School of Engineering, University College Dublin, Expert Reviewer of IPCC AR6
13. Fintan Ryan, Retired Senior Airline Captain, Fellow Royal Aeronautical Society
14. Christian Schaffalitzky, FIMMM, Founder Institute of Geologists of Ireland, EurGeol
15. Norman Stewart PhD, former astrophysicist and meteorologist
16. 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
19. David Thompson, BAgricSc, MA, Animal Nutritionist
20. 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
5. Nir J. Shaviv PhD in Physics at the Israel Institute of Technology, Professor of Physics at the Racah Institute at the The Hebrew University of Jerusalem



## SCIENTISTS AND PROFESSIONALS FROM ITALY

1. *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
6. Cesare Barbieri, Professore Emerito di Astronomia, Università di Padova
7. Donato Barone, Ingegnere
8. Sergio Bartalucci, Fisico, Presidente Associazione Scienziati e Tecnologi per la Ricerca Italiana
9. Giuseppe Basini, Astrofisico, Deputato, già dirigente di Ricerca dell'INFN
10. 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
16. 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
22. Francesca Bozzano, Professore di Geologia Applicata, Università di Roma La Sapienza, Direttore del Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI)

23. 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
30. Giovanni Carboni, Professore di Fisica, Università di Roma Tor Vergata, Movimento Galileo 2001
31. Peppe Caridi
32. 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
39. Claudio Ciani, Relazioni Internazionali, Scienza Politica, Università di Roma La Sapienza
40. 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 Attività 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
76. 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
80. 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
107. 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
109. Daniela Novembre, Ricercatore in Georisorse Minerarie e Applicazioni Mineralogiche-petrografiche, Università di Chieti-Pescara

110. Francesco Oriolo, Professore di Impianti Nucleari, Università di Pisa
111. 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
119. 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 Pomozi, 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, Basilicata
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
159. Enzo Siviero, Professore di Ponti, Università di Venezia, Rettore dell'Università e-Campus
160. Rinaldo Sorgenti, Deputy Chairman of ASSOCARBONI
161. 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
169. 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

1. *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*

2. 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
6. 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
9. 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, Radboud 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
21. 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
29. 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
34. Arnold Fellendans, Physics at TU Delft, 40 years at Unilever (retired), [www.omdearde.nl](http://www.omdearde.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
42. 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
47. Godard Hazeu MSc, Geosciences, 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
51. 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 Electraris Verzekeringsmaatschappij N.V.
58. Wouter J. Keller, Emeritus Professor of Statistical Methods, Former Member Board of Directors, Central Bureau of Statistics (CBS)
59. 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 DSM
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
98. 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
110. 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, Past-member 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 CO<sub>2</sub> 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 Technology; 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
12. 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"
14. 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 Coalition
22. Richard Treadgold, Executive Member NZ Climate Scienc Coalition, Convenor Climate Conversation Group
23. Ian Wright, Professional Geologist



## SCIENTISTS AND PROFESSIONALS FROM NORWAY

1. *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
9. 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. Røgnvaldur Hannesson, Professor Emeritus, Norwegian School of Economics
13. 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
19. 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

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



## SCIENTISTS AND PROFESSIONALS FROM THE PHILIPPINES

1. Melanchthon Bernil, Professional Chemical Engineer



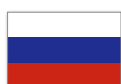
## SCIENTISTS AND PROFESSIONALS FROM POLAND

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
3. 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

1. 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
5. 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

1. 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
2. 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
4. 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
6. Henni Ouerdane, Assistant Professor, Manager of the Energy Systems PhD Programme, Skolkovo Institute of Science and Technology, Moscow Region
7. 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

1. 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



## SCIENTISTS AND PROFESSIONALS FROM SLOVENIA

1. 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

1. Rosemary Falcon, Emeritus Professor Clean Coal Technology Research Group at the University of Witwatersrand, Director Fossil Fuel Foundation
2. 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
5. 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
9. 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

1. *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.
5. José Carlos González Hidalgo, Professor of Physical Geography, teaching more than 20 years on Climatology and doing Research on the Topic, University of Zaragoza, Dep. Geografia
6. Antonio J. Huertas, Engineer with 35 years experience in Energy Politics and Operation, and Environmental Care
7. 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 CO<sub>2</sub> 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

1. *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
4. 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
9. Tore Dalvåg 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
19. Mats Janson MSc, Electrical Engineering, KTH Royal Institute of Technology, Stockholm
20. Hans Jelbring, Climate Researcher
21. Göran Johansson, Specialist in Energy Systems
22. Claes Johnson, Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
23. 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
29. Jacob Nordangård PhD, Technology and Social Change at the University of Linköping, Researcher on Climate Change History
30. Gabriel Oxenstierna PhD, retired, currently author for Klimatupplysningen.se
31. Gösta 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, Professor Emeritus in Oceanography at University 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

1. 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
6. Joseph Ongena, Member of the Permanent Monitoring Panel for World Energy, World Federation of Scientists, Geneva
7. 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
9. 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
10. 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

1. *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
6. Nigel Beckwith, professional graduate Podiatrist, Post Grad. in Sports Science, Post Grad. in Science Education
7. 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 analysis
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 CO<sub>2</sub>, H<sub>2</sub>O 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
23. Dr. David Critchley, Senior Clinical Pharmacologist, mathematical modelling of complex systems
24. Peter Cunningham, Expert in Mathematical Modelling of Complex Physical Phenomena
25. Isabel Davies, Geophysicist and Entrepreneur
26. 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
28. 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
29. 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
32. Dr. John S. Easterby, Retired Senior Lecturer in Biochemistry University of Liverpool, Research area: Protein chemistry, Enzymology, Metabolic Modelling
33. Roderick Paul Eaton, MBA FIET MCMI, Retired Consultant Energy Industry Analyst/Management Consultant
34. Debra Eddy, Entrepreneur and Guest Lecturer in Business Management
35. 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
46. 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 CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O
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

59. Dr. Chris Jesshope, Emeritus Professor University of Amsterdam, Director Techné Consulting Ltd.
60. David Jessop C.Eng., M.I.C.E., lifetime career in the water industry
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
66. 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 Minerals Ltd.
69. CJ Matchatte-Downes, Geologist and Geochemist, particularly involved in studies about past Climates including Glaciation
70. 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
71. Dr. Niall McCrae PhD in Mental Health
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, Social 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
76. Philip Mulholland, Geoscientist, Life time experience in the Geo-Energy Industry, co-author 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
86. Dr. James Pindell, Geologist, specialised in plate tectonics and palaeographic evolution, Director of Tectonic Analysis Ltd (UK), Adjunct Professor at Rice University (USA)
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
92. 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 Geomatrix 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
109. Paul White, BSc Physics, Durham University, Retired, Former Higher Scientific Officer Marine Climatology
110. 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

1. *Richard Lindzen, Emeritus Professor Atmospheres, Oceans and Climate, MIT; WCD Ambassador*
2. Edward Abbott MD, Retired obstetrician, BSc in math and chemistry
3. 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
8. 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; 2nd 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-Troposphere 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
17. Dr. Shmuel Ben-Shmuel PhD in Aerospace & Mechanical Engineering, retired aerospace engineer, worked on the Space Shuttle, doing Computational Fluid Dynamics simulations
18. David J. Benard, Chemical Physicist & Co-inventor of the Oxygen-iodine Chemical Laser



19. Edward X. Berry PhD, Atmospheric Physicist, American Meteorological Society, Author, Climate Physics LLC
20. Ronald Berti, lifetime career in the semiconductor industry
21. Brent J. Bielema, studied Economics at Northern Illinois University, professional nutritional counselor
22. 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
23. Jared L. Black, Numerical Analysis Consultant, ScD
24. 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
30. 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
36. 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
39. 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
40. 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 Science
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
45. 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)
47. Terigi Ciccone, Engineer, author of "A Hitchhiker's Journey Through Climate Change," and a proud former Sierra Club member
48. 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
50. 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
59. 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
62. William Robert Detzner, retired special education teacher, fighter against the continuing reduction of personal freedom
63. Robert G. Dillon, retired physician and astronomer
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
77. Vincent Esposito, Adjunct Professor University of Pittsburg, PA, Doctor of Science in Nuclear Engineering (Un. of Virginia), Retired Manager from Westinghouse Electric Company
78. Douglas Fairbent, 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 für 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](http://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, Leader of 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 Gyrog, 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 Waste Technical 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](http://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 FRCS, Joint Replacement/Hip and Knee Arthritis, Department of Orthopaedics and Sports Medicine, University of Washington
158. 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 Armstrong 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)
191. 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
195. 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 Univ, 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 Methodist University 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 Schimmelpennig, 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](http://allaboutenergy.net)
228. Roscoe M. Shaw, meteorologist and portfolio manager
229. Dr. Thomas P. Sheahan, 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
246. Jim Steele, Emeritus Director Sierra Nevada Field Campus, San Francisco State University
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> Coalition
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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## Colofon



*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](http://www.clintel.org).*

*Graphic design: [www.zinontwerpers.nl](http://www.zinontwerpers.nl)*

*Lay-out: Little Shop of Graphics*





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