

World Climate Declaration

# THERE IS NO CLIMATE EMERGENCY

**1609 SIGNATORIES**



GLOBAL CLIMATE INTELLIGENCE GROUP

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# THERE IS NO CLIMATE EMERGENCY



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# There is no climate emergency

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

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

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

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

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

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

Climate models have many shortcomings and are not remotely plausible as policy tools. They do not only exaggerate the effect of greenhouse gases, they also ignore the fact that enriching the atmosphere with CO<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 JOHN F. CLAUSER / USA  
NOBEL LAUREATE PROFESSOR IVAR GIAEVER NORWAY/USA  
PROFESSOR GUUS BERKHOUT / THE NETHERLANDS  
DR. CORNELIS LE PAIR / THE NETHERLANDS  
PROFESSOR REYNALD DU BERGER / FRENCH SPEAKING CANADA  
BARRY BRILL / NEW ZEALAND  
VIV FORBES / AUSTRALIA  
DR. PATRICK MOORE / ENGLISH SPEAKING CANADA  
JENS MORTON HANSEN / DENMARK  
PROFESSOR LÁSZIÓ SZARKA / HUNGARY  
PROFESSOR SEOK SOON PARK / SOUTH KOREA  
PROFESSOR JAN-ERIK SOLHEIM / NORWAY  
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FERDINAND MEEUS / DUTCH SPEAKING BELGIUM  
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HENRI A. MASSON / FRENCH SPEAKING BELGIUM  
PROFESSOR INGEMAR NORDIN / SWEDEN  
JIM O'BRIEN / REPUBLIC OF IRELAND  
PROFESSOR IAN PLIMER / AUSTRALIA  
DOUGLAS POLLOCK / CHILE  
DR. BLANCA PARGA LANDA / SPAIN  
PROFESSOR ALBERTO PRESTININZI / ITALY  
PROFESSOR BENOÎT RITTAUD / FRANCE  
DR. THIAGO MAIA / BRAZIL  
PROFESSOR FRITZ VAHRENHOLT / GERMANY  
THE VISCOUNT MONCKTON OF BRENCHLEY / UNITED KINGDOM  
DUŠAN BIŽIĆ / CROATIA, BOSNIA AND HERZEGOVINA, SERBIA AND  
MONTE NEGRO



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# TOTAL SIGNATORIES

## 1609



### 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. Karen Benn, Double major PhD Biologist and Environmental Scientist, Government Policy, Educator and University Lecturer in Sciences, Biology, Environmental Sciences, Water Quality and Water Resource Management
16. Richard Blayden, Professional Engineer
17. Colin Boyce, Engineer, Member of Parliament, Queensland State Parliament, Engineer, Farmer and Entrepreneur
18. Howard Thomas Brady, Member Explorers Club of New York, Member of the Australian Academy of Forensic Sciences
19. Geoff Brown, Organizer of a Critical Climate Group
20. Andrew Browne, Exploration Geoscientist, Fellow AusIMM (CP), 50 Years Global Experience
21. Frank Brus, holds a B. Comm from UNSW, spent most of his working life with the Electricity Commission of NSW
22. Ernest Buchan, Chartered Engineer MIET, Kardinya, W. Australia
23. Douglas Buerger, Fellow Australasian Institute of Mining and Metallurgy, Member of Australian Institute of Company Directors
24. Mike Bugler, Retired Environmental Consultant
25. Paul Buncle, Medical Practitioner
26. Charles Camenzuli, Structural Engineer specializing in Remedial Work, Catcam Group, Sydney
27. Ray Carman, Organic Chemist, Honorary Fellow University of Queensland
28. Peter Champness, Radiologist
29. Andrew E. Chapman, Expert on Rainfall and Flood Events
30. Michael F. Clancy, Retired Civil Engineer, Brisbane
31. Martin Clark, Expert in Building Design, Planning and Landscaping, Townsville NQ
32. Richard Corbett, Member Royal Australian Chemical Institute, Member of The Clean Air Society of Australia and New Zealand

33. Dr. Michael Creech, lifetime active as Geologist; Dr. Creech informs the public by giving presentations on Climate Change
34. Matt Crisanti BSc, UniSA, Science Faculty Coordinator at St. Columba College in 2008
35. Majorie Curtis, Retired Geologist, Stratigrapher and Palaeoclimatic Studies, Canberra
36. Eric Daniel, Retired IT Consultant
37. Arthur Day, Earth Scientist, Specialist in Geochemical Modelling of Volcanic Processes
38. Dr. Geoff Deacon PhD, MSc, BSc (hons), geologist, palaeontologist, advocate for geological truth in Climate Science
39. David H. Denham, lifetime experience as Architect (B Arch), active in giving talks and writing opinion articles on climate change
40. Geoff Derrick, Geologist
41. Trish Dewhirst, Retired Geologist, Queensland
42. Bevan Dockery BSc (UWA), Grad.Dip.Computing (Curtin U), Exploration Geophysicist in minerals world-wide
43. Aert Driessen, Geologist, Fellow Australian Institute of Geoscientists
44. John A. Earthrowl, Retired Geologist, Brisbane
45. Mike Elliott, Dux of School in Mathematics, Co-Founder of Climate Realists of Five Dock
46. Jeremy K. Ellis, Retired Chairman of BHP, now Chairman of the Saltbush Club Australia
47. Dr. Stephen David English, PhD in Crop Physiology from University of New England, Retired Agricultural Scientist
48. Matthew J. Fagan, Founder and President of FastCAM Inc.
49. Paul S. Forbes, Financial Advice Specialist
50. Nick Franey MSc Mineral Exploration, Mineral Exploration Management Consultant
51. 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
52. Michael Fry PhD, retired Professor, ex Head of School and Dean of IT
53. Christopher J.S. Game, Retired Neurophysiologist
54. Robin George, Geologist, Canterbury
55. David Gibson, Experimental Physicist
56. Andrew Gillies, Geologist
57. 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)
58. Paul R.C. Goard BSc Sydney University, Physics & Maths, + Two years geology, one year Chemistry, member of the Australian Meteorological & Oceanographic Society
59. Brendan Godwin, Weather Observations and General Meteorology, Radio (EMR and Radar) Technical Officer, Retired from Bureau of Meteorology
60. Hamish Grant, MR Spectroscopy & Imaging Consultant, Victoria
61. 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"
62. 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
63. Guy Grocott MSc Engineering Geology, Retired Consulting Engineering Geologist/ Geotechnical Engineer
64. 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
65. Maureen Hanisch PhD, Biochemistry, Medical Research 1997, Australian National University, Retired
66. Erl Happ, Managing Director at Happs
67. John Happs, Geoscientist, Retired University Lecturer
68. Peter J.F. Harris, Retired Engineer (Electronic), now Climate Researcher
69. 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
70. Jarvis Hayman, Retired Surgeon, Recently retired Archaeologist and Visiting Fellow at the Australian National University
71. Mark Henschke, Retired Geologist in Mining, Oil and Gas

72. Stewart Hespe, Consulting Civil and Forensic Engineer, Critic of Government Policy on Climate Related Matters
73. Gerhard Hofmann, Geologist and Palaeontologist, Former Director of the Geological Survey of Queensland
74. Robert Ian Holmes PhD in Climate Science/Mitigation, University Lecturer (retired) and Climate Scientist
75. Selwyn Hopley, MSSSI, Retired Land and Engineering Surveyor
76. Antonia Howarth-Wass, Mathematician
77. Geraint Hughes, Climate Researcher, Mechanical Building Engineer, Climate Researcher
78. Douglas Hutchison BSc and MSc degrees in geology, consulting geologist in the mining industry, member of the Australian Institute of Geoscientists
79. David Hyde MEnvSt, Environmental Biology, Former Scientific Chairman of Australian Underwater Federation (NSW)
80. Paul Ingram, Qualified Geologist, Member of the Australian Institute of Mining and Metallurgy, studying Palaeoanthropology and Human Evolution
81. Mr. Anthony Jackson, Bachelor of Arts degree, Bachelor of Laws degree, retired
82. Ian Johnson, Bachelor of Engineering, consultant
83. Mike Jonas, IT consultant, retired, frequent contributor to Watts Up With That?
84. Prof. Aynsley Kellow, Professor emeritus of Government, College of Arts, Law and Education, University of Tasmania
85. Alison Kelsey PhD, Palaeoclimatologist and Archaeologist University of Queensland
86. Kevin Kemmis, Climate Researcher, Expert in Information Technology
87. Neil Killion, MA in Psychology, active in the climate debate, member of the Saltbush club
88. Bill Kininmonth BSc (UWA), MSc (CSU), M. Admin. (Monash), Former Superintendent of the Bureau of Meteorology National Climate Center
89. David Knox, IT professional, bachelors in business (Uni of South Australia) and a Masters degree in business administration (Charles Sturt University)
90. Rosemarie Kryger PhD, Biochemistry, Retired, University of Queensland, Brisbane
91. Hugh H. Laird, Retired Tropical Agriculture Executive
92. John Leisten OBE, Expert in Physical Chemistry
93. Brian Levitan, Worked for NASA, now Technology Consultant to Multinationals
94. Ian Levy, CEO Australian Bauxite Ltd.
95. Matthew David Linn, Fellow of the Institution of Engineers of Australia
96. Ian Longley, Geologist, BSc (Hons) Petroleum Geologist, Fellow of the Geological Society
97. Kevin A. Loughrey, LtCol(Ret'd) BAppSc, BE Mech(hons), psc, jssc, Grad Dip Strategic Studies
98. Finlay MacRitchie, Professor Emeritus in the Department of Grain Science and Industry at Kansas State University USA
99. John Ross May BSc, Adip, Cres., Management of Forests and National Parks in Victoria
100. Gerard McGann, Technical Director Eon NRG
101. Rodney McKellar, Retired Geologist, Queensland
102. John McLean, Author of First Major Review of HadCRUT 4 Climate Temperature Data, Member of New Zealand Climate Science Coalition
103. Toby McLeay, General Medical Practitioner AM, MBBS, FRACGP, FACRRM
104. Ross McLeod, Retired Environmental Health Officer
105. Peter R. Meadows, Agricultural Scientist
106. Paul Messenger PhD, Earth Science
107. John Micheltmore, Retired Industrial Chemist
108. Des Moore, Former Deputy Secretary of the Federal Treasury, Founder and Leader of the Institute for Private Enterprise
109. 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"
110. Hugh Morgan, Prominent Australian Mining Executive, Fellow of the Australian Academy of Technology, Science and Engineering (FTSE)
111. Peter Murphy PhD, Adjunct Professor, Social Sciences, La Trobe University (Melbourne) and the Cairns Institute, James Cook University
112. 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
113. John Nicol PhD, Retired Senior Lecturer Physics and one time Dean of Science, James Cook University, North Queensland
  114. 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
  115. Paul John O’Keeffe, MB, BS, FRCS, FRACS, Retired Surgeon
  116. David Parsons B.E Mech. FIE Aust CPEng NER, Principal Design Engineer, specialised in boiler design and gas radiation analysis
  117. M. Louise Petrick MSc Applied Science, Materials and Welding Engineer
  118. Alistair Pope PSc, CM, Sceptical Scientific Contrarian in the Climate Debate
  119. Robert Pyper, Geologist and Director of Minnelex Pty Ltd.
  120. Tom Quirk, Nuclear Physicist
  121. Art Raiche PhD, Mathematical Geophysics, Retired CSIRO Chief Research Scientist
  122. Campbell Rankine, Barrister and Solicitor
  123. Peter Ridd, Oceanographer and Geophysicist
  124. Tim Riley, Mining Geologist
  125. John Cameron Robertson, Author of CO2 Feeds the World and The Climate Change Delusion
  126. Philip Lance Robinson, Chemical Engineer, lifetime experience in the aluminium and steel industry
  127. Nigel Rowlands, Retired from Mining and Exploration Industry
  128. George (Rob) Ryan, Professional Geologist
  129. Judy Ryan, Editor Principia Scientific Institution Australia
  130. Robert Sambell PhD, Physics, Professional Geophysicist
  131. Tony Schreck, Managing Director, 35 yrs experienced geologist, Member of the Australian Institute of Geoscientists, Member of the Australian Institute of Company Directors
  132. Pasquale Seizis, Mechanical Engineer, climate critic
  133. Jim Simpson, Retired from Managing Positions in different International Telecommunications Firms, nowadays Convenor of “The Climate Realists of Five Dock, Sydney Australia.”
  134. Case Smit, Physicist, Expert in Environmental Protection, Co-Founder of the Galileo Movement
  135. Edward Smith, Chartered Chemist, member of the Royal Australian Institute of Chemistry (RACI), lifetime of experience in the Pharmaceutical industry
  136. Lee Smith, University Lecturer in Spatial Technology, Responsible for State Government Precise Monitoring of Sea Level and International Sea Boundaries
  137. Peter Smith, Geologist (Retired), New South Wales
  138. Darren Speirs, Independent Business Owner, Rangeland NRM Consultants
  139. Geoffrey Stocker, Professor and Head of Department of Forestry, PNG University of Technology, Director of PNG Forest Research Institute
  140. 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
  141. Dr. Nancy Enid Stone, B.Sc (Hons), University of Western Australia. (1950), Ph.D Cantab. (1956), Retired Research Biochemist
  142. Rodney R. Stuart, Retired Expert in Energy Industry, Tasmania
  143. Roger Symons, Professional Engineer, Expert in Temperature Control of Industrial Buildings
  144. James Taylor, Electrical Aerospace and Astrophysics Engineer, Computer Modelling Researcher
  145. Rustyn Wesley Thomas, Retired Aircraft Engineer
  146. Tony Thomas MA, BEc, journalist and author for more than 60 years
  147. Baki M. Top, Senior Agricultural Scientist, Freelance Consultant Agricultural and Food Production & Agribusiness
  148. John W. Turner, Science Educator, Noosa Heads
  149. Ralph J. Tyler, Retired Senior Principal Research Chemist, CSIRO, expert in conversion of coal and natural gas to liquid fuel
  150. Peter Tyrer, Project Controls Engineer in Mining Industry

151. Dr. Julian Vearncombe PhD, Geologist, Fellow Australian Institute of Geoscientists
152. Terrence Vincent, Security Engineer, Small Business Adviser AIST, ASIAL, SMBE
153. John Vucko, Bachelor of Electrical Engineering (Hons)
154. James Walter, Medical Doctor
155. John Warnock, Astro Economist
156. Chris Warren, Retired Engineer, Design and Construction of Dams and feasibility of Coal Mines
157. Alan C. Watts, Medical Practitioner specialized in Effects of Infrasound on Human Health
158. Colleen J. Watts, Retired Environmental Scientist with specialization in Aquatic Chemistry and Environmental Consequences of Renewable Energy
159. Glyn Weatherall, Energy Resources Advisor
160. Neil Wilkins, Retired Geologist
161. Richard Willoughby, retired electrical engineer with thirty years experience in the Australian mining and mineral processing industry
162. Lawrence A. Wilson, Professional Chemical Engineer, Melbourne
163. Michael Wilson PhD, DSc, Emeritus Professor, former Executive Dean UWS, Former Chief Research Scientists CSIRO, Low Emissions Transport Fuels Leader
164. P.C. Wilson, Former Journalist with the A.B.C. Queensland
165. 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
166. Michael Wort, BSc Mining Geology, MSc Mineral Process Design, PhD Mineral Technology, Geologist interested in impact of high levels of atmospheric levels of CO<sub>2</sub> as trigger for formation of limestone deposits



#### 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 CO<sub>2</sub>?"
5. Hans Dirk Struve, Dipl. Ing., Mechanical Engineer with large experience in business
6. Konrad Falko Wutscher, Doctor of Engineering Sciences, specialist in treatment of water and wastewater



#### 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. Luc Opdecamp, "The agronomist-philosopher" (independent researcher), Agronomist (Soil science)
24. Jaak Peeters, Psychologist and Writer
25. Eric Perpète, Microcomputed Tomography Scientist, FNRS Senior Research Associate in Chemical Physics
26. Dr. Hugo Poppe, Emeritus hoogleraar, Weer- en Klimaatkunde, KU-Leuven, 1966-2002
27. Alain R. Pr at PhD in Geology, Emeritus Professor at Universit  Libre de Bruxelles
28. Phil Salmon, Computer Tomography Scientist, Kontich
29. Jozef Verhulst PhD, Chemistry, Author
30. Jean van Vliet, Retired Specialist in Space Weather
31. Dr. Marc Wathelet, PhD in Molecular Biology, Free University of Brussels
32. Appo van der Wiel, Senior Development Engineer



## SCIENTISTS AND PROFESSIONALS FROM BOLIVIA

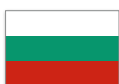
1. Ambassador Jose Brechner, retired Congressman and Ambassador for the Bolivian Government, Chair of the Foreign Affairs Committee, currently Syndicated Columnist and Senior Political Analyst



## 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. Jose Nestor Cardoso, Professor on first oceanography course in Latin America, Pioneer on Brazilian expedition to Antartic, First scientific diver for Brazil from CMAS
4. Mario de Carvalho Fontes Neto, Agronomist, Editor of 'The Great Global Warming Swindle'
5. Jos  Bueno Conti, Geographer and Professor of Climatology, Full Professor of the Geography Department at the University of Sao Paulo (USP)
6. Dr. Johnson Delibero Angelo, Master and PhD in Material Science, Industrial Chemist, Emeritus Collaborating Professor of Postgraduate Studies in Mechanical Engineering at UFABC

7. Prof. Dr. Ricardo Augusto Felicio BSc Meteorology - USP, MSc Antarctic Meteorology and Satellites - INPE, PhD in Climatology - Physical Geography - USP
8. Richard Jakubazsko, Executive Editor of Agro DBO Magazine and Co-Author of the Book 'CO2, Warming and Climate Change: Are you kidding us?'
9. Dr. George Lentz Cesar Fruehauf, BSc Doctor of Sciences – USP, MSc Meteorology – SJSU, expert in environmental engineering
10. Agnaldo Martins, professor and researcher at the Department of Oceanography and Ecology at the Federal University of Espírito Santo
11. Luiz Carlos Badicero Molion, Emeritus Professor of the Federal University of Alagoas (UFAL), Formerly of the National Institute of Space research (INPE)
12. Prof. Marcos José de Oliveira, Environmental Engineer, Master in Climatology, Author of research articles about climate cycles and natural causes of climate change
13. Fernando Paiva PhD Animal Science, Full professor at the Federal University of Mato Grosso do Sul
14. José Carlos Parente de Oliviera, Physicist, Professor at the Federal Institute of Education, Science and Technology of Ceará (IFCE), Retired Associate Professor of the Federal University of Ceará (UFC)
15. Guilherme Polli Rodrigues, Geographer, Master in Climatology, Environmental Consultant
16. Adelino De Santi Júnior, BSc Biology and Ecology, MSc Applied Ecology, Biologist, works with environmental education, licensing, restoration, sustainability management and staff supervision
17. Geraldo Luis Saraiva Lino, Geologist, Author of 'How a Natural Phenomenon Was Converted into a False Global Emergency'
18. Marcello Silva Sader, Graduated in Veterinary Medicine and Computer Sciences
19. Daniela de Souza Onca, Professor of the Geography Department of the State University of Santa Catarina (UDESC)
20. Igor Vaz Maquieira, Biologist, Specialist in Environmental Management



#### SCIENTISTS AND PROFESSIONALS FROM BULGARIA

1. Ivan Daraktchiev MSc Applied Science (Electronics engineering, Chemistry, Physics), Independent Researcher
2. 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 a 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. Callum Beck PhD in Religious Studies, Sessional Professor in Religious and University Studies
11. Mario Blais, Science and Mathematics Teacher
12. Kevin Burke MSc in Marine Biology, high school teacher, author/co-author of 2 technical reports with the Departement of Fisheries and Oceans and 2 scientific articles published in the Journal of Shellfish Research
13. Robert Douglas Bebb, Professional Engineer (Mechanical), MBA
14. Rick Beingessner, BSc, BA and LLB University of Alberta, lifetime experience in the Geo-Energy Industry, recently involved in researching Climate Change Matters
15. Jean Du Berger, Ingénieur Retraité, Bell
16. Alain Bonnier PhD, Physique, INRS-Centre de Recherche en Énergie, Montréal

17. Andrew Bonvicini, Professional Geophysicist, President of Friends of Science Society
18. 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
19. Chris Carr, BSc (Hons) Engineering Geology and Geotechnics, retired Geoscientist
20. Michel Chapdelaine MSc, Géologie, Montréal
21. Henry Clark, Thermal/Power Engineer
22. Ian Clark, Professor of Earth and Environmental Sciences, University of Ottawa
23. Edmond (Ted) Clarke MSc, Engineering, Member of Friends on Science Society
24. Paulo N. Correa, Biophysicist and Oncologist, Inventor, Author of numerous books and research papers, Director of Research at Aurora Biophysics Research Institute
25. Hortense Côté, Ingénieur Géologue, Goldminds
26. Susan Crockford, Zoologist and Polar Bear Expert, Former Adjunct Professor University of Victoria
27. Norman Curry, Technical College, Design Engineering-Mechanical Engineering, President of National Zephyr Research
28. Ronald Davison, Professional Chemical Engineer
29. Dr. E. David Day BSc, PhD, Chemistry
30. A.E. (Ted) Dixon PhD, Emeritus Professor of Physics, University of Waterloo
31. Eric Ducharme MSc, Géologie, Abitibi
32. Michel Dumais, Ingénieur Civil Retraité, Université d'Ottawa
33. Dr. George Duncan PhD, retired Environmental Consultant from A&A Environmental Consultants Inc.
34. Claude Duplessis BcSc, Géologie, Ingénieur Géologue, Goldminds
35. Craig A. Elliott MSc Mechanical Engineering, Design Consultant, President at CAElliott Inc
36. Ashton Embry, Research Geologist, Embry Holdings
37. David Fermor, Anaesthesiologist, B.A., M.D., FRCPC
38. Jeffrey Foss †, Professor of Philosophy of Science, University of Victoria
39. Joseph Fournier PhD, Expert in Physical Chemistry
40. Paul M. Gagnon, Professional Engineer
41. 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>
42. J. Claude Gobeil BSc, Geology
43. Douglas Goodman, Life of time experience in the geo-energy industry
44. Kenneth B. Gregory, Professional Engineer, Director Friends of Science Society
45. Dr. Paul Hamblin, Retired Research Scientist Environment Canada, Advisor to the Georgian Bay Association
46. Mark T. Hohm, Professional Engineer registered with the Association of Professional Engineers and Geoscientists of Alberta (APEGA)
47. R.G. Holtby, professional agrologist
48. 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)
49. 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
50. 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
51. Paul A. Johnston, Associate Professor, Paleontology, Paleoecology, Department of Earth and Environmental Sciences, Mount Royal University, Calgary, Alberta
52. Richard T. Jones, experimental physicist, researched in the field of fission energy
53. E. Craig Jowett, Geologist and Environmental Researcher PhD University of Toronto
54. Andre Julien, MSc Mechanical Engineering, Thermodynamics Expert, over 40 patents published
55. Klaus L.E. Kaiser, Retired Research Scientist, National Water Research Institute, Author of Numerous Press Articles
56. Bogdan Kasprzak, Professional Geoscientist, life time experience in data modelling, data analysing and data interpretation
57. Madhav Khandekar, Expert Reviewer IPCC 2007 AR4 Report
58. David Koop BSc, Analytical Chemist

59. Kees van Kooten, Professor of Economics and Canada Research Chair in Environmental Studies and Climate, University of Victoria
60. 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
61. Jean Laberge, Professeur Retraité de Philosophie, CEGEP du Vieux Montréal
62. Sherri Lange, CEO North American Platform Against Wind Power, Great Lakes Wind Truth
63. M.J. Lavigne MSc, Professional Geologist
64. Douglas Leahey PhD, Meteorology, past President of Friends of Science
65. Professor Denis Leahy, PhD in Astrophysics, Full Professor in the Department of Physics and Astronomy, University of Calgary
66. Robert Ledoux PhD, Professeur Retraité en Géologie, Université Laval
67. Dick Leppky, Retired businessman and Independent Truth Seeker
68. 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
69. H. Douglas Lightfoot, Research Engineer in the Chemical Industry, Co-Founder of the Lightfoot Institute, papers on Alternative Energy and Atmospheric CO2
70. Gerald Machnee, Retired Meteorologist, Environment Canada
71. Allan M.R. MacRae, Retired Engineer
72. Paul MacRae, Independent Climate Researcher
73. J. David Mason, Applied Geologist, B.A.Sc, Applied Geology, M.Eng, Mining
74. Stuart McDonald, Retired Canadian Insurance Broker
75. 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
76. Norman Miller, Former P.Eng, now Retired
77. Ron Mills, Geologist/geochemist Emeritus NS Geological Survey
78. Randall S. Morley, veterinary epidemiologist, retired
79. Dr. Thomas F. Moslow PhD, P. Geol., President Moslow Geoscience Consulting Ltd., Adjunct Professor Department of Geoscience, University of Calgary
80. Roland Moutal, Teacher Physics and Chemistry at Vancouver Community College
81. 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
82. Christian Olivier, former Postdoc @ UC Berkeley
83. Robert Orr, Historical Linguist
84. Scott Patterson, Professional Geologist
85. Andy Pattullo, Associate Professor of Medicine at the University of Calgary
86. Prof. David A. Penny PhD, Former Associate Professor, Dept. of Computer Science, University of Toronto, veteran Software Industry Executive
87. Jozinus Ploeg, retired Vice-President, Engineering and Technology, National Research Council, Field of expertise Energy transfer from atmosphere to surface of ocean, wave mechanics
88. Joe Postma, Research Analyst, Physics & Astronomy, University of Calgary
89. Brian R. Pratt, Professor of Geological Sciences, University of Saskatchewan
90. Michael Priaro, BSc Chem.Eng, P.Eng, Member of Association of Professional Engineers and Geoscientists of Alberta
91. Gerald Ratzer, Professor Emeritus, Computer Science McGill University, Montreal
92. John Angus Raw, aerospace engineer, specialised in aerodynamics, life time career in the international aerospace industry
93. Dr. Michael Raw PhD in Mechanical Engineering, specialization in computer modelling of fluid flow and heat transfer, current field of work in technology management
94. Robert James Reid, BSF degree, Registered Professional Forester, lifetime experience in the forestry industry
95. Norman Reilly, Professor Emeritus of Mathematics, Simon Fraser University, British Columbia
96. Gérald Riverin PhD, Géologie, Géologue Retraité
97. John Robson, Historian, Journalist, Documentary Filmmaker
98. Peter Salenius, Retired Research Scientist, Natural Resources

99. Marcelo C. Santos, Professor of Geodesy, University of New Brunswick
100. Paul R. Schmidt BSc, Professional Engineer Ontario, Research Scientist, Author/ Lecturer 'Review & Analysis of Climate Change', Member Friends of Science
101. Ian de W. Semple, Retired Exploration Geologist and Mining Investment Analyst of McGill University
102. Afshin Shahzamani, Retired professional (Medical Science Liaison) pharmaceutical industry
103. Élie Shama, Ingénieur Retraité en Électromécanique, Président d'Éconoden, Montréal
104. Wayne Shepheard MSc Geology, Retired oil and gas explorer
105. H.F. (Gus) Shurvell, Emeritus Professor of Chemistry, Queen's University
106. Brian Slack, Distinguished Professor Emeritus, Concordia University Montreal, Department of Geography, Planning and Environment
107. Rodolfo (Rudy) Spatzner, graduated from Environmental/Civil Engineering Technology, Humber College, Ontario, lifetime experience in wireless networks across North America
108. Michelle Stirling, Writer/Researcher with focus on 'consensus' social proofs, Top 10% downloaded author on SSRN, Communications Manager, Friends of Science Society
109. Mary Taitt PhD Zoology, MSc Ecology, retired
110. Graydon Tranquilla, BScEE, Electrical Power, Senior Electrical Engineer (retired), now an energy advisory consultant
111. Marc Vallée PhD, Geophysicien
112. Petr Vaníček Dr. Sc, Professor Emeritus of Geodesy, University of New Brunswick
113. Duncan Veasey, psychiatrist with a particular interest in mass hysteria, authoritarianism and social compliance
114. 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
115. Jean-Joel Vonarburg PhD, Professeur Ingénieur, Université du Québec à Chicoutimi
116. Dr. Ronald Voss PhD Chemistry, lifetime career in the environment department of a research consortium
117. Robert Wager, BSc and MSc, Microbiological Sciences and Immunology, Biochemistry and Molecular Biology, Retired
118. Dr. Helen Warn PhD in Fluid Dynamics from McGill University
119. Dr. Thorpe W. Watson, material science, lifetime career in the mining industry with focus on intellectual property protection
120. Larry Weiers, energy engineer, retired, author of "Sustainability of the Modern Human Economy"
121. William van Wijngaarden, Professor of Physics, York University
122. Ken Wilson, Professional Engineer (retired)



### SCIENTISTS AND PROFESSIONALS FROM CHILE

1. Douglas Pollock, Civil Industrial Engineer, University of Chile; WCD Ambassador
2. Rafael Muñoz Canessa, Part time Academic University of Talca, Economics and strategic management
3. Juan Luis Edwards Velasco, Civil engineer in hydraulics, Universidad Católica de Chile, Master in hydraulic engineering, Universidad de Santander, Spain
4. Carlos Varea, Energy Engineer



### 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. Tomas Furst PhD, teacher of mathematics at Palacky University in Olomouc and a proponent of correct, i.e. Bayesian inference
4. Vaclav Hubiner, Retired Ambassador, Anthropologist, Climate Policy Commentator for [www.forum24.cz](http://www.forum24.cz)
5. Pavel Kalenda PhD, CSc., Coal Expert
6. Václav Klaus, Former President of the Czech Republic, Professor of Economics, Founder of the Václav Klaus Institute
7. Lubos Motl PhD, former Harvard faculty, high energy theoretical physicist, co-author of the 2009 NIPCC report
8. Ivan Spicka, Professor of Internal Medicine at Charles University with speciality in Hemato-Oncology, Prague
9. Dalibor Štys, professor of Applied physics, Faculty of Fisheries and Protection of Waters, University of South Bohemia in České Budějovice
10. Gary M. Vasey PhD, Geology, Managing Partner and Analyst in Commodity Technology Advisory llc
11. 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. Niels Harrit PhD, Emeritus Associate Professor of Chemistry, Dept. Chemistry, University of Copenhagen
6. Sören Kjærsgaard, Professional Chemical Engineer
7. Johannes Krüger, Emeritus Professor, Dr. Scient, Department of Geosciences and Natural Resource Management, University of Copenhagen
8. Knud Larsen PhD, Natural Sciences
9. Peter Loch, Senior Lecturer, Business Academy Aarhus (statistics)
10. Peter Kjær Poulsen, Metering Engineer
11. Steen Rasmussen Bsc in Electrical Engineering from Denmark Technical University, lifetime career at IBM Denmark Aps
12. Niels Schrøder, Geophysist/Geologist, Associate Professor Institute of Nature and Environment, Roskilde University
13. Pavel Svennerberg, Master of engineering, Technology of oil and gas processing



## 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. Frédéric Antoine, graduated from Sciences Politiques in France
6. Charles Aubourg, Full Professor at the University of Pau, Geophysicist
7. Hervé Azoulay, Engineer (CNAM), Specialist of Networks and Systemics, CEO and President of several Associations
8. Guy Barbey, Alumnus of Harvard Business School, Retired Investment Banker, Founder and President of 'Climate et Vérité'
9. Jean-Pierre Bardinnet, Ingénieur ENSEM, Publicist on Climate Issues
10. Yorik Baunay, Geographer (Master 2) specialized in the natural risk and crisis management, CEO of Ubyrisk Consultants (firm specialized on natural hazard mitigation)
11. Bernard Beauzamy, University Professor (Ret.), Chairman and CEO, Société de Calcul Mathématique SA (Paris)
12. Serge Bellotto PhD, Geology
13. Guy Bensimon, Retired Associate Professor of Economics at Institute of Political Studies of Grenoble (SciencesPo Grenoble)
14. Jean-Claude Bernier, Emeritus Professor (University of Strasbourg), Former Director of the Institute of Chemistry of the CNRS
15. Pierre Beslu, Former Researcher and Head of Department in the French Nuclear Energy Commission (CEA)
16. Michel Bouillet PhD, Human Geography, Emeritus Professor, Former Associate Researcher at the MMSH (Aix-en-Provence)
17. Christian Buson PhD, Agronomy, Director of Research in a Company (impact studies in Environmental Issues, Sewage Treatment)
18. 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
19. Emmanuel Camhi MSc in Physics, life time experience in Complex Systems Modeling and Data Analysis in the Aerospace industry
20. Bernard Capai, Retired Chemistry Engineer, Specialist of Industrial Processes avoiding the use of Carcinogenic Solvents
21. Patrick de Casanove, Doctor of Medicine, Chairman of the Cercle Frédéric Bastiat
22. Philippe Catier, Medical Doctor
23. Vincent Chaplot PhD Soil Science, Senior Research Scientist
24. Bruno Chaumontet, Engineer ENSEA, specialized in Feedback Systems
25. Pascal Chondroyannis, Forest Engineer, Retired Director of the National Alpine Botanical Conservatory (2008-2013)
26. Jean Michel Colin PhD, Retired Chemist Engineer, Expert for the French Academic Evaluation Agency (AERES)
27. Philippe Colomban, CNRS Research Emeritus Professor, Former Head of Laboratory at Université Piere-et-Marie Curie, Expert in Hydrogen-based Energy Storage

28. 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
29. Christian Coppe PhD, Organic & Analytical Chemistry
30. Philippe Costa, Energy Engineer at ENSEM Nancy, specialist in Industrial Process and Energy Saving
31. Vincent Courtillot, Geophysicist, Member of the French Academy of Sciences, Former Director of the Institute de Physique du Globe de Paris
32. Pierre Darriulat, Professor of Physics, Member of the French Academy of Sciences
33. Jean Davy, Engineer (ENSAM), Digital Modeling Software Developer
34. Dr. Stephen John Dearden, Retired Research Chemist, lifetime R&D experience in the general chemical, pharmaceutical and photographic industries
35. 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
36. Jean-Pierre Desmoulins, Retired Professor of Thermal and Energy Engineering at the "Institut Universitaire de Technologie, Université-Grenobles-Alpes"
37. Gérard Douhet PhD, Nuclear Physics, Retired Engineer at CERN, Technical Manager on Digital Transmission and Video Encoding
38. Hubert Dulieu, Emeritus Professor Applied Ecology, Formerly Senior Researcher in the CNRS, President of the National Scientific Research Committee, Vegetal Biology Section (XXVII)
39. Doctor Denis Dupuy, Urologist, climate realist
40. Bruno Durieux, Economist, Former Minister of Health and of Foreign Trade, Ancient Administrator of the French National Institute of Statistics and Economic Studies (INSEE)
41. Ralph Ellis, Bsc in Aviation, ATPL
42. Max Falque, International Consultant in Environmental Policy
43. Serge Ferry PhD, Retired Teacher-Researcher (MCF), University of Lyon
44. Patrick Fischer, Associate Professor in Applied Mathematics, University of Bordeaux
45. Michel Frenkiel, Engineer (Arts et Métiers), Former Researcher at NCAR in Boulder
46. Francis le Gaillard PhD, Natural Sciences and Pharmaceutical Sciences, Emeritus Professor of Biochemistry at the Faculty of Pharmaceutical Sciences of Toulouse
47. François Gauchenot, Governance Specialist, Founder of Saint George Institute
48. Jean Gergelé, Engineer Graduate from the Ecole Centrale de Lyon, R&D Director, Freelance Consultant, mainly in the Li-ion battery development
49. Christian Gérondeau, Former Advisor of several French Prime Ministers, Formerly responsible for the Road Traffic Safety Policy for France and the European Union
50. Francois Gervais, Emeritus Professor of Physics and Material Sciences, University of Tours
51. Philippe Giraudin, Ecole Polytechnique Paris, Geographic Sciences
52. Bernard Grandchamp, Agronomic Engineer and Environment & Plant Defense Expert, Managing Director of Famoux Chateaux Viticoles in Bordeaux
53. 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
54. Maximilian Hasler, Associate Professor in Mathematics, University of French West Indies
55. Charles Hazan, Retired Chemist (ENSCP) and Chemical Engineer (UMIST) Former Technical Director Nosolor
56. Manfred Horst, MD, PhD, MBA, lifetime career in healthcare and pharmaceuticals
57. Yvon Jarny, Emeritus Professor in Thermal and Energy Sciences, Nantes University
58. Claude Jobin, Retired A&M Engineer specialized in Microwave Communication
59. Vladimir Klein, lifetime career in renewable energy projects, patent holder in aerobic composting of organic waste
60. Alexandre Krivitzky, Psychoanalyst, Member of the International Psychoanalytical Association
61. Roger Lainé, Retired Geological Engineer
62. Philippe de Larminat, Professor at École Centrale de Nantes, specialist of Business Process Modeling
63. Jacques Laurentie, Aeronautical Engineer, and CEO of a software publishing company
64. René Laversanne, Researcher at the CNRS, 16 patents

65. Christian Liegeois PhD Physics, patent holder in photonics
66. Jean-Marie Longin, Engineer (Saint-Cyr), Chief of the Pole Operations of Security Inventory Management
67. Guy Lucazeau, Emeritus Professor (Institut Polytechnique de Grenoble) in Material Sciences and Spectroscopy
68. Philippe Malburet, Emeritus Associated Professor of Mathematics, Founder of the Planetarium of Aix-en-Provence, Member of the Academy of Aix-en-Provence
69. Christian Marchal, Astronomer and Mathematician, Former Research Director at the French National Office for Aerospace Studies and Research
70. Dr. Yves G. Maria-Sube PhD in Geosciences Montpellier University, lifetime career in the geo-energy industry
71. Paolo Martinengo, Applied Physicist, Senior Staff Member in the Experimental Physics Department, Detector Technologies Group, CERN
72. Patrick Mellett, Architect and CEO
73. Marc le Menn PhD, Head of Metrology-Chemistry Oceanography Lab, Brest
74. Henri Mertz, Ingénieur Civil de l'école de la Métallurgie et des Mines de Nancy, Chef d'Entreprises
75. Serge Monier, former manager of various multinational companies, at present Co-founder and Treasurer of 'Climat et Vérité'
76. 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
77. Jacques-Marie Moranne, Retired Engineer (Ecole Centrale de Lille), Specialist in Air and Water Purification, Chemical and Nuclear Engineering
78. Serge Morin, Emeritus Professor Geography at Université Michel de Montaigne, Bordeaux, Honorary Mayor of Branne
79. Cédric Moro, Geographer on Natural Hazards Management, Co-Founder of Visov, a NGO in Civil Defense
80. Philippe Morvan, Engineer ENSTA and Génie Maritime, specialist in Software Development
81. Charles Naville, R&D Exploration Geophysicist, IFP Energies Nouvelles
82. Michel le Normand, Emeritus Professor of Botany and Plant Pathology and Chairman of Plant Production Department, National Superior School of Agronomy, Rennes
83. 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'
84. 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'
85. Rémy Prud'homme, Emeritus Professor in Economics at University of Paris-Est, Former Deputy-Director, Environment Directorate, OECD
86. Jean Marie Ravier, Engineer of ECOLE CENTRALE DE PARIS, and diplomed SCIENCES POLITIQUES PARIS, recently retired MD of small industrial company
87. Pierre Richard, Engineer ESPCI Paris, Former Research Geochemist at Institut de Physique du Globe de Paris (IPGP)
88. Pierre Ripoche, Engineer INSA in Chemistry, Retired Project Manager in R&D, Expert in High Temperature Plasma for Optical Fiber Process
89. Isabelle Rivals, Associate Professor in Statistics at ESPCI Paris
90. Bertrand Rouffiange, Doctor of Medicine, specialized in Radiology
91. Jean Rouquerol, Emeritus Research Director at CNRS Marseille, Expert in Gas Adsorption and Calorimetry
92. Georges de Sablet, Retired Associate Professor at University of Paris Descartes, Formerly in charge of Operating Systems and Networks at IUT Paris
93. François Simonet PhD, Biology, Former Director for Planning and Foresight in a State Agency for Water and Aquatic Ecosystems Management
94. 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)
95. Marcel Terrier, Ex Engineers in Industry, Former Teacher at the Douai School of Mines
96. Michel Thizon, Chemical engineer, ACR (Association des Climato-Réalistes, France) member, former researcher at the Ecole Polytechnique, consultant, retired
97. David Uzal PhD philosophy of technics and PhD of practical philosophy

98. 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)
99. Camille Veyres, Retired Engineer at École des Mines, specialist in Telecommunications and Broadband Networks
100. Brigitte van Vliet-Lanoë, Geoscientist, Emeritus Research Director (CNRS, Université de Bretagne Occidentale), Stratigraphy and Palaeoenvironments, Quaternary and Holocene
101. Théa Vogt, Retired CNRS Searcher, Géomorphology, Quaternary Palaeoenvironments, Soil and Desertification Remote Sensing
102. 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, PhD in Natural Sciences (Dr. rer. nat), Marine Ecological Researcher
10. Stephan Bujnoch, Wirtschaftsingenieur (i.e. a combination of Economics and Engineering), Retired Manager with the Automotive Industry
11. Eike-Mattias Bultmann, Geoscientist
12. Eberhard Burkel, Prof. (i.R.) Dr.rer.nat , Physics of New Materials, University of Rostock
13. Dr. Arthur Chudy, Agricultural Chemist OT Warsaw
14. Günter Dedié, Physicist
15. Dr. Ing. Rolf Diederichs, Studie Eisenhüttenkunde in Clausthal-Zellerfeld, climate realist
16. Prof. Dr. Klaus D. Döhler, Professor of Pharma sciences, University of Hannover
17. Wolf Doleys, Retired teacher (high school, college) and writer (essay, poetry, novel)
18. Joerg Dornemann Msc in Geology, lifetime career in the Geo-Energy Industry
19. Jörg Eichner, Specialist in situational awareness in crises and risk management
20. Friedrich-Karl Ewert, Emeritus Professor Geology, University of Paderborn
21. Ludwig E. Feinendegen, Emeritus Professor Medicine
22. Dr. Dieter Freundlieb, Retired Senior Lecturer Griffith University, School of Humanities, Brisbane, Australia
23. Gerhard Gerlich, Emeritus Professor of Mathematical Physics, TU Braunschweig
24. Axel Robert Göhring, Doctor of Natural Sciences, EIKE e.V.
25. Dr. Klaus-Jürgen Goldmann, worldwide experienced petroleum geologist
26. Christian Habermann, Dr. in Economics, Investment Manager
27. Eberhard Happe, Eisenbahningenieur
28. Hermann Harde, Emeritus Professor of Experimental Physics and Materials Science, Helmut Schmidt-University, Hamburg
29. Prof. Dr. Bernd Hartke, Professor in Theoretical Chemistry, Expert Knowledge in Computer Modelling, University of Kiel
30. Manfred Hauptreif, Natural Scientist
31. Dennis J. Hendricks, Graduated Engineer of Environmental Technologies, Technischen Hochschule Ostwestfalen-Lippe, University of Applied Sciences and Arts
32. Dietmar Hildebrand PhD Biophysics and Nuclear Physics, patent holder in fuzzy logic based surveillance, IT expert and development manager
33. Dr. Andreas Hoppe, Systems biologist, Institute for Bee Research
34. Prof. Axel Janke PhD, professor of evolutionary genomics
35. André Karutz, Chemist, Dr. rer. nat. expert in environmental matters
36. Professor Dr. Gerhard Kehrer, Retired Physician, Internist and Physiologist
37. Dr. Udo Kienle, Agricultural Scientist at University of Hohenheim
38. Werner Kirstein, Emeritus Professor of Climatology, University of Leipzig

39. Bernhard Kleinhenz, Collage teacher of Biologie, Chemistry and Physics
40. Gunther Klessinger, Physicist, University at Regensburg Germany and Boulder Colorado
41. Stefan Kröpelin, Dr. in Geosciences, Free University of Berlin and University of Cologne (Retired), specialized in Climate Change of the Sahara
42. Dr. rer. nat Gunter Kümel, lifetime career in virus research in the natural sciences
43. Max Kupillas, Dipl.-Ing. Masch.-Bau, retired Prod.Ltr.
44. Ulrich Kutschera, Professor of Plant Physiology & Evolutionary Biology at the University of Kassel and Visiting Scientist in Stanford USA
45. Wolfgang Laub, Physics (J.W.Goethe University, 1977-1986), Medicine (Physiology-Biomechanics, Max-Planck Institute, 1980-1986), patent holder in different areas
46. Michael Limburg, Vice-President EIKE (Europäisches Institute für Klima und Energie)
47. Martin Lindner PhD in Chemistry, Dipl. in Chemistry, President of the Bürger für Technik
48. Prof. Dr. Kai van de Loo, Dr. rer. oec. Honorarprofessor der THGA und Senior Consultant im Forschungszentrum Nachbergbau
49. Dr. Stephan Lorenzen PhD Theoretical Biology, Bioinformatician, worked with nonlinear modelling
50. 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
51. Horst-Joachim Lüdecke, Professor of Operations Research (i.R.) HTW of Saarland, Saarbrücken
52. Wolfgang Merbach, Professor Dr. Agrar. Habil. at Institut für Agrar Ernährungswissenschaften
53. Lothar W. Meyer, Emeritus Professor of Material Engineering, Chemnitz University of Technology, Saxony Entrepreneur 'Nordmetall GmbH', Member of the Board of 'Vernunftkraft Niedersachsen'
54. Jens Möller, Graduate Economist, Climate Realist
55. Wolfgang Monninger PhD, lifetime career in Petroleum Geology (Exploration, Petrophysics)
56. Werner Mormann, Emeritus Professor of Macromolecular Chemistry, Universität Siegen
57. Dipl. Phys. Raimund Müller, education in physics and thermodynamics, climate realist
58. Holger Neulen, Retired Mechanical Engineer
59. 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
60. Rainer Olzem, Diplom-Geologe, Aachen
61. Hans Penner PhD, Dipl.-Chem. Dr. rer. nat., Linkenheim-Hochstetten
62. Dr. Dr. Wätzold Plaum, Physicist and YouTuber
63. Michael Principato MSc in Electrical Engineering, specialised in Control Engineering and Modeling
64. Dieter Ramcke, retired geophysicist
65. Siegfried Reiprich, Dipl.-Ing, Geoscientist and Oceanography
66. Andreas Salzman, Dr. rer. nat., Diplom Chemiker
67. Dr. Hendrik Schlesing, Environmental Expert and Consultant
68. Dr. Jens-Christoph Schneider PhD in Isotope Chemistry, life time career in palaeoclimate and atmospheric geochemistry
69. Dr. rer. nat. Michael Schnell, Retired chemist
70. 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>)
71. Dipl. Psych. Ulrike Schwan, Professional Psychotherapist, Psychotherapist look at the IPCC Organization
72. W.H. Eugen Schwartz, Emeritus Professor of Theoretical Chemistry, Universitaet Siegen
73. Dr.-Ing. Christian Singewald, Dipl.-Geologist, PhD Mining Engineering
74. Attila Sonal, Dipl.-Ing. der Elektrotechnik, Retired am Technischen Universität Kaiserslautern, Stadtratsmitglied Kaiserslautern, Preisträger Ansaldo Ricerche Price
75. Dr. Fritz Sontheimer, Retired Physicist, PhD in Condensed Matter Physics

76. Dr. Wolfgang Strehlau, Phys. Chemist, Technology Fellow in Johnson Matthey Plc, UK
77. Lothar Streng, strategy and concept developer, full time writing on a large SF project
78. Manuel Tacanho, founder and president of the Afrindependent Institute
79. Matthias Thiermann, Parliamentary adviser in the Bavarian Parliament
80. Dr. Holger Thuss, President EIKE Institute
81. Jost Trier PhD, Retired Experimental Physicist at the Federal Institute in Braunschweig, Dept. of Atomic Physics
82. Ralf D. Tscheuschner PhD in Physics
83. Helmut Waniczek Dr. Dipl. Ing., Scientist, working 40 years in chemical industry
84. Thomas Weimer, Process Engineer (Dr.-Ing.), worked on CO2 capture from atmosphere and during hydrogen generation
85. 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
86. Peter Willingmann, Dr. rer.nat



## 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. Charilaos Markopoulos MSc in Waste Management
11. Spyridon Nikiforos, Economist, MBA
12. Sonia Perez † PhD, Biology/Immunology, Scientific Coordinator Cancer Immunology and Immunotherapy Center Saint Savas Cancer Hospital, Athens
13. G.-Fivos Sargentis, Dr Engineer-Sculptor, Dept. of Water Resources; School of Civil Engineering, National Technical University of 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. Dezsó 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. József Majer, Senior Professor of Ecology and Environment Protection at University of Pécs
7. Gábor Simon MSc Chemical Engineering, University teacher General, Anorganic, Environmental and Analytic Chemistry

8. Dr. Gábor Szász, Professor Emeritus, College Professor Dennis Gabor College  
Department of Economics and Engineering



### SCIENTISTS AND PROFESSIONALS FROM INDIA

1. Dr. M.M. Ali, MSc in Meteorology and Oceanography with a PhD in Meteorology, Center for Ocean-Atmospheric Prediction Studies, Florida State University, USA
2. 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
3. Vijay Jayaraj, Research Associate at CO2 Coalition, Contributor to Cornwall Alliance
4. Prem raj Pushpakaran, PhD in BioTechnology, Professor
5. 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. Gerald Fitzgibbon, Physical Chemist specializing in Electrochemistry and Thermodynamics
5. David Horgan, MA (Cambridge), MBA (Harvard), Resource Company Director
6. Seamus Hughes, BAgricSc, Specialist in Genetics
7. Mark Gerard Keenan, Former Science Advisor, Department of Energy and Climate Change, U.K., Former Environmental Affairs Officer, United Nations Environment Division, Geneva, Switzerland
8. Ultan Murphy, BSc (Hons) Chemistry, Industry Science Professional
9. Owen O'Brien, Business Founder and Entrepreneur, MBA, DBA
10. Patrick L O'Brien, MSc, MPhil, Senior International Environmental Consultant
11. Donal O'Callaghan, electrical engineer, retired food industry research scientist
12. J. Phillip O'Kane, Emeritus Professor, School of Engineering, University College Cork
13. Peter O'Neill, Retired, School of Engineering, University College Dublin, Expert Reviewer of IPCC AR6
14. Fintan Ryan, Retired Senior Airline Captain, Fellow Royal Aeronautical Society
15. Christian Schaffalitzky, FIMMM, Founder Institute of Geologists of Ireland, EurGeol
16. Norman Stewart PhD, former astrophysicist and meteorologist
17. Brian N. Sweeney, Founding Chairman of Science Foundation Ireland
18. Pat Swords, BE, CEng, FICHEM, PPSE, CEnv, MIEA, Challenger of Over-Reach in Environmental Legislation
19. Sean Tangney, Business Entrepreneur, Former Technical Director, CRH plc
20. David Thompson, BAgricSc, MA, Animal Nutritionist
21. 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. Micha Klein PhD, Emeritus Professor, The Department of Geography and Environmental Studies

- 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

- Alberto Prestininzi, Professore di Rischii 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 Rischii Geologici (CERI); WCD Ambassador
- Pietro Agostini, Ingegnere, Associazione Scienziati e Tecnologi per la Ricerca Italiana
- Aldo Aluigi, Nuclear Engineer, Consultant in Power Plants, Cogeneration end District Heating
- Piero Baldecchi, Lettore
- Achille Balduzzi, Geologo, Agip-Eni
- Antonio Ballarin, Fisico, “Chief Artificial Intelligence Officer” di una pubblica amministrazione
- Cesare Barbieri, Professore Emerito di Astronomia, Università di Padova
- Donato Barone, Ingegnere
- Sergio Bartalucci, Fisico, Presidente Associazione Scienziati e Tecnologi per la Ricerca Italiana
- Giuseppe Basini, Astrofisico, Deputato, già dirigente di Ricerca dell’INFN
- Franco Battaglia, Professore di Chimica Fisica, Università di Modena, Movimento Galileo 2001
- Marco Benini, Ingegnere Idraulico, Libero Professionista
- Eliseo Bertolasi, Dottore di Ricerca in Antropologia Culturale
- Giorgio Bertucelli, Ingegnere, già Dirigente Industriale, ALDAI
- Alessandro Bettini, Professore Emerito (Fisica) Università di Padova
- Antonio Bianchini, Professore di Astronomia, Università di Padova
- Luciano Biasini, 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
- Paolo Blasi, Professore Emerito (Fisica) e già Rettore dell’Università di Firenze, già Presidente della Conferenza dei Rettori delle Università Italiane
- Enrico Bongiovanni, Dottore Commercialista
- Paolo Bonifazi, Ex Direttore dell’Istituto di Fisica dello Spazio Interplanetario (IFSI) dell’Istituto Nazionale Astrofisica (INAF)
- Roberto Bonucchi, Insegnante in Pensione
- Giampiero Borrielli, Ingegnere
- Francesca Bozzano, Professore di Geologia Applicata, Università di Roma La Sapienza, Direttore del Centro di Ricerca Previsione, Prevenzione e Controllo Rischii Geologici (CERI)
- Antonio Brambati, Professore di Sedimentologia, Università di Trieste, Responsabile Progetto Paleoclima-mare del PNRA, già Presidente Commissione Nazionale di Oceanografia
- Gianfranco Brignoli, Geologo
- Marcello Buccolini, Professore di Geomorfologia, Università di Chieti-Pescara
- Paolo Budetta, Professore di Geologia Applicata, Università di Napoli
- Antonio Maria Calabrò, Ingegnere, Ricercatore, Consulente
- Monia Calista, Ricercatore di Geologia Applicata, Università di Chieti-Pescara
- Massimo Canali, Associate Professor of Agricultural Economics and Policy, Department of Agriculture and Food Sciences, University of Bologna
- Cristiano Carabella, Geologo, Borsista presso l’Università di Chieti
- Giovanni Carboni, Professore di Fisica, Università di Roma Tor Vergata, Movimento Galileo 2001
- Peppe Caridi
- Franco Casali, Professore di Fisica, Università di Bologna e Accademia delle Scienze di Bologna
- Dr. Agronomo Fausto Cavalli, Agronomist, specialisation in meteorology
- Giuliano Ceradelli, Ingegnere e Climatologo, ALDAI
- Augusta Vittoria Cerutti, Membro del Comitato Glaciologico Italiano
- Franco Di Cesare, Dirigente, Agip-Eni



39. Alessandro Chiaudani PhD, Agronomo, Università di Chieti-Pescara
40. Luigi Chilin, Dirigente in Pensione
41. Claudio Ciani, Relazioni Internazionali, Scienza Politica, Università di Roma La Sapienza
42. 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
43. Pino Cippitelli, Geologo Agip-Eni
44. Carlo Colomba
45. Enrico Colombo, Chimico, Dirigente Industriale
46. Vito Comencini, Onorevole, Membro della Camera dei Deputati Italiana dal 2018
47. Enrico Conti, Physicist, Istituto Nazionale di Fisica Nucleare (INFN)
48. Ferruccio Cornicello, Fotografo e Lettore di Studi sul Clima
49. Domenico Corradini, Professore di Geologia Storica, Università di Modena
50. Carlo Del Corso, Ingegnere Chimico
51. Uberto Crescenti, Professore Emerito di Geologia Applicata, Università di Chieti-Pescara, già Magnifico Rettore e Presidente della Società Geologica Italiana
52. Fulvio Crisciani, Professore di Fluidodinamica Geofisica, Università di Trieste e Istituto Scienze Marine, Cnr, Trieste
53. Salvatore Custodero
54. Francesco Dellacasa, Ingegnere, Amministratore di Società nel settore Energetico
55. Alessandro Demontis, Perito Chimico Industriale, Tecnico per la Gestione delle Acque e delle Risorse Ambientali, Pomezia
56. Serena Doria, Ricercatore di Probabilità e Statistica Matematica, Università di Chieti-Pescara
57. Roberto d'Arielli, Geologo, Borsista presso l'Università di Chieti
58. Carlo Esposito, Professore di Rischi Geologici, Università di Roma La Sapienza
59. Gianluca Esposito, Geologo
60. Prof. Stefano Falcinelli PhD, Professor of Chemistry and Materials Technology, Department of Civil and Environmental Engineering, University of Perugia
61. Antonio Mario Federico, Professore di Geotecnica, Politecnico di Bari
62. Aureliano Ferri, Vicepresidente Associazione Piceno Tecnologie
63. Maurizio Fiorelli, Sommelier Professionale, studioso dell'evoluzione nella Coltivazione delle Vigne
64. Mario Floris, Professore di Telerilevamento, Università di Padova
65. Gianni Fochi, Chimico, Ricercatore in Pensione della Scuola Normale Superiore, Giornalista Scientifico
66. Sergio Fontanot, Ingegnere
67. Luigi Fressoia, Architetto Urbanista, Perugia
68. Mario Gaeta, Professore di Vulcanologia, Università di Roma La Sapienza
69. Stefano Galli MSc in Chemical Engineering, retired researcher
70. Sabino Gallo, Ingegnere Nucleare e Scrittore Scientifico
71. Stefano Gallozzi, Degree in Physics (old italian rules), Researcher at the INAF, Italian Institute for Astrophysics, Astronomical Observatory of Rome and presidente of the Safeguarding Astronomical Sky Foundation
72. Giuseppe Gambolati, Fellow della American Geophysical Union, Professore di Metodi Numerici, Università di Padova
73. Alessio Del Gatto, Liceo Scientifico, Collaboratore Attivita Solare.it
74. Rinaldo Genevois, Professore di Geologia Applicata, Università di Padova
75. Umberto Gentili, Fisico dell'ENEA, Climatologo per il Progetto Antartide, ora in pensione
76. Enrico Ghinato, Perito Fisico
77. Mario Giaccio, Professore di Tecnologia ed Economia delle Fonti di Energia, Università di Chieti-Pescara, già Preside della Facoltà di Economia
78. Daniela Giannessi, Primo Ricercatore, IPCF-CNR, Pisa
79. Roberto Grassi, Ingegnere, Amministratore G&G, Roma
80. Roberto Graziano, Ricercatore di Geologia Stratigrafica e Paleoclimatologia/ Paleocceanografia, Università di Napoli, già Geologo presso il Servizio Geologico d'Italia
81. Alberto Guidorzi, Agronomo
82. Roberto Habel, Professore di Fisica Medica, Università di Cagliari
83. 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
84. Nicola Iacovone, Physicist
  85. Alberto Lagi, Ingegnere, Presidente di Società Ripristino Impianti Complessi Danneggiati
  86. Dr Francesco Lamberti PhD in Material Science of the University of Padova, working on next generation PV
  87. Luciano Lepori, Ricercatore IPCF-CNR, Pisa
  88. Carlo Lombardi, Professore di Impianti Nucleari, Politecnico di Milano
  89. Walter Luini, Geometra
  90. Roberto Madrigali, Meteorologo
  91. Angelo Maggiore PhD, INFN Senior Researcher, more than 40 years experience in research at CERN, Saclay, Dubna and Frascati
  92. Franco Maloberti, Emeritus Professor, expert on microelectronics and modelling
  93. Ettore Malpezzi, Ingegnere
  94. Vania Mancinelli, Geologo, Borsista presso l'Università di Chieti
  95. Ludovica Manusardi, Fisico Nucleare e Giornalista Scientifico, UGIS
  96. Luigi Marino, Geologo, Centro Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza
  97. Maurizio Marsigli, Graduated in Geological Sciences and science author on the Sun and Space Meteorology
  98. Alessandro Martelli, Ingegnere, già Dirigente ENEA
  99. Francesco Martelli, Professor Emeritus of University of Florence, Former President of European Turbomachinery Society
  100. Paolo Martini, consultant petroleum geologist with 30+ years of experience
  101. Salvatore Martino, Professore di Geologia Applicata all'Ingegneria al Territorio ed ai Rischi, Università di Roma "Sapienza"
  102. Maria Massullo, Tecnologa, ENEA-Casaccia, Roma
  103. Enrico Matteoli, Primo Ricercatore, IPCF-CNR, Pisa
  104. Paul P.A. Mazza, Associate Professor of Quaternary Geology and Paleontology and of Archeozoology, University of Florence
  105. Paolo Mazzanti, Professore di Interferometria Satellitare, Università di Roma La Sapienza
  106. Adriano Mazzarella, Professore di Meteorologia e Climatologia, Università di Napoli
  107. Marcello Mazzoleni, Docente e imprenditore nel settore della formazione, fondatore del sito web MeteoSincero
  108. Carlo Merli, Professore di Tecnologie Ambientali, Università di Roma La Sapienza
  109. Enrico Miccadei, Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara
  110. Gabriella Mincione, Professore di Scienze e Tecniche di Medicina di Laboratorio, Università di Chieti-Pescara
  111. Umberto Minopoli, Presidente dell'Associazione Italiana Nucleare
  112. Alberto Mirandola, Professore di Energetica Applicata e Presidente Dottorato di Ricerca in Energetica, Università di Padova
  113. 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
  114. Maurizio Montuoro, Medico
  115. Maria Luisa Moriconi, CNR researcher at Institute of Atmospheric Physics (retired) and associate to INAF until 2020
  116. Renzo Masetti, Professore di Oceanografia, Università di Trieste, già Direttore del Dipartimento di Oceanografia, Istituto OGS, Trieste
  117. Daniela Novembre, Ricercatore in Georisorse Minerarie e Applicazioni Mineralogiche-petrografiche, Università di Chieti-Pescara
  118. Francesco Oriolo, Professore di Impianti Nucleari, Università di Pisa
  119. Paolo Emmanuele Orrù, Professore di Geografia Fisica e Geomorfologia, Università di Cagliari
  120. Sergio Ortolani, Professore di Astronomia e Astrofisica, Università di Padova
  121. Alessandro Pagano, Geologist
  122. Giorgio Paglia, Geologo, Borsista presso l'Università di Chieti
  123. Massimo Pallotta, Primo Tecnologo, Istituto Nazionale Fisica Nucleare

124. Antonio Panebianco, Ingegnere
125. 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
126. Prof. Andrea Pardini PhD, University of Florence
127. Antonio Pasculli, Ricercatore di Geologia Applicata, Università di Chieti-Pescara
128. Ernesto Pedrocchi, Professore Emerito di Energetica, Politecnico di Milano
129. Davide Peluzzi, Ambasciatore del Parco Nazionale del Gran Sasso e dei Monti della Laga nel Mondo nel 2017
130. Corrado Penna, Docente di Matematica
131. Enzo Pennetta, Professore di Scienze Naturali e Divulgatore Scientifico
132. Gianni Pettinari, Impiegato Amministrativo, Fondatore del gruppo Facebook: "Falsi allarmismi sul riscaldamento globale"
133. Alessandro Pezzoli, Ricercatore Universitario e Professore aggregato in Weather Risk Management, Politecnico di Torino e Università di Torino
134. Tommaso Piacentini, Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara
135. Stefano De Pieri, Ingegnere Energetico e Nucleare
136. Paolo M.J. Pilli, Pensionato
137. Massimo Pilolli PhD Physics, Physicist, Meteorologist, Teacher
138. Mirco Poletto, Geologo libero professionista, registered at 'Ordine dei geologi del Veneto'
139. Andrea Pomozi, Presidente Associazione Piceno Tecnologie
140. Guido Possa, Ingegnere Nucleare, già Viceministro del Ministero dell'Istruzione, Università e Ricerca con delega alla Ricerca
141. Alfonso Pozio PhD, Senior Researcher, ENEA CR Casaccia, Rome
142. Giorgio Prinzi, Ingegnere, Direttore Responsabile della Rivista "21mo Secolo Scienza e tecnologia"
143. Franco Prodi, Professore di Fisica dell'Atmosfera, Università di Ferrara
144. Franco Puglia, Ingegnere, Presidente CCC, Milano
145. Francesca Quercia, Geologo, Dirigente di Ricerca, Ispra
146. Nunzia Radatti, Chimico, Sogin
147. Arnaldo Radovix, Geologo, Risk Manager in Derivati Finanziari
148. Maurizio Rainisio, Mathematician, Lifetime career in Clinical Development and Epidemiology
149. Mario Luigi Rainone, Professore di Geologia Applicata, Università di Chieti-Pescara
150. Mario Rampichini, Chimico, Dirigente Industriale in Pensione, Consulente
151. Arturo Raspini, Geologo, Ricercatore, Istituto di Geoscienze e Georisorse (IGG), Consiglio Nazionale delle Ricerche, Firenze
152. 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
153. Marco Ricci, Fisico, Primo Ricercatore, Istituto Nazionale di Fisica Nucleare
154. Renzo Riva, Comitato Italiano Rilancio Nucleare (C.I.R.N.), Buja
155. PierMarco Romagnoli, Ingegnere, Milano
156. Vincenzo Romanello, Ingegnere Nucleare, Ricercatore presso il Centro di Ricerca Nucleare di Rez, Repubblica Ceca
157. Piergiorgio Rosso, Ingegnere Chimico
158. Stefano Rosso, Insegnante di Geografia, Storia e Italiano, Scuola Secondaria, Modena
159. Alberto Rota, Ingegnere, Ricercatore presso CISE ed ENEL, Esperto di Energie Rinnovabili
160. Ettore Ruberti, Ricercatore ENEA, Docente di Biologia Generale e Molecolare
161. Giancarlo Ruocco, Professore di Struttura della Materia, Università di Roma La Sapienza
162. Sergio Rusi, Professore di Idrogeologia, Università di Chieti-Pescara
163. Massimo Salleolini, Professore di Idrogeologia Applicata e Idrogeologia Ambientale, Università di Siena
164. Nicola Scafetta, Professore di Fisica dell'Atmosfera e Oceanografia, Università di Napoli
165. Emanuele Scalcione, Responsabile Servizio Agrometeorologico Regionale ALSIA, Basilicata

166. Nicola Sciarra, Professore di Geologia Applicata, Università di Chieti-Pescara
167. Francesco Sensi, Generale di Divisione Aerea (R)
168. Massimo Sepielli, Direttore di Ricerca, ENEA, Roma
169. Leonello Serva, Geologo, Accademia Europa delle Scienze e delle Arti, Classe V, Scienze Tecnologiche e Ambientali, già Direttore Servizio Geologico d'Italia
170. Roberto Simonetti, Geologo, R&D c/o Azienda S.I.I.
171. Elio Sindoni, Professore Emerito dell'Università di Milano Bicocca
172. Enzo Siviero, Professore di Ponti, Università di Venezia, Rettore dell'Università e-Campus
173. Rinaldo Sorgenti, Deputy Chairman of ASSOCARBONI
174. Ugo Spezia, Ingegnere, Responsabile Sicurezza Industriale, Sogin, Movimento Galileo 2001
175. Luigi Stedile, Geologo, Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza
176. Emilio Stefani, Professore di Patologia Vegetale, Università di Modena
177. Flavio Tabanelli, Fisico
178. Maria Grazia Tenti, Geologo
179. Umberto Tirelli, Visiting Senior Scientist, Istituto Tumori d'Aviano, Movimento Galileo 2001
180. Giorgio Trenta, Fisico e Medico, Presidente Emerito dell'Associazione Italiana di Radioprotezione Medica, Movimento Galileo 2001
181. Roberto Vacca, Ingegnere e Scrittore Scientifico
182. Gianluca Valensise, Dirigente di Ricerca, Istituto Nazionale di Geofisica e Vulcanologia, Roma
183. Prof. Paolo Sebastiano Valvo PhD - Associate Professor of Solid and Structural Mechanics, University of Pisa
184. Corrado Venturini, Professore di Geologia Strutturale, Università di Bologna
185. Flavio Vetrano, Honorary Professor of General Physics, DiSPeA, University Carlo Bo, Urbino
186. Benedetto De Vivo, Professore di Geochimica in Pensione dall'Università di Napoli, ora Professore Straordinario presso Università Telematica Pegaso, Napoli
187. Andrea Zaccone, Geologo, Dirigente Protezione Civile Regione Lombardia
188. Luigi Zanotto, Docente in Pensione
189. Franco Zavatti, Ricercatore di Astronomia, Università di Bologna
190. 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 KUWAIT

1. Mohammad A. AlKhamis, DVM, MPVM, PhD, Assistant Professor of Epidemiology, Department of Epidemiology and Biostatistics, Faculty of Public Health, Health Sciences Center, Kuwait University



#### SCIENTISTS AND PROFESSIONALS FROM MALAYSIA

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



#### SCIENTISTS AND PROFESSIONALS FROM MALTA

1. Joseph Attard, Retired Scientist, PhD chemical engineering MSc Electronics Communication



## 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 NAMIBIA

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



## 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 Anandel, 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. Maarten Biesheuvel MSc and PhD Chemical Technology, University of Twente, Senior Scientist Chemical Engineering and Water Technology, Wetsus
14. Andre Bijkerk, Retired Officer Royal Dutch Air Force, now Climate Researcher
15. Dr. Frans Bijlaard, professor-emeritus steel constructions, TU Delft
16. Dr. Ruud Binnekamp Msc. Integral Design and Management, teacher and researcher in design and decision systems at TU Delft
17. Peter Bloemers, Emeritus Professor of Biochemistry, Radboud University, Nijmegen
18. Albert F.T. de Booi †, Founder Speakers Academy Int. BV, Founder en CEO World of Consciousness.com
19. Hans Bouman MSc, Chemistry, Professional in Production Technology and Asset Management
20. Dr. Ir. Arnold Bovy, retired, former Director Energy Transmission Company MEGALIMBURG
21. Ben Braam Msc in Physics, lifetime career in space instrumentation
22. Paul M.C. Braat, Emeritus Professor of Pulmonary Physics, University of Amsterdam
23. Solke Bruin, Emeritus Professor of Product-driven Process Technology, University of Eindhoven and Former Member Management Committee Unilever Research, Vlaardingen
24. Dr. Theo Claassen, Aquatic Ecologist
25. Paul Cliteur, Professor of Legal Sciences, Member of the Senate of The Netherlands
26. Albert J.H.G. Cloosterman, Retired Chemical Engineer, Publicist on Climate and Cosmological Matters
27. Charles Coleman, former executive Olivetti Group International
28. Marcel Crok, Climate Researcher and Science Journalist

29. Gerhard Diephuis MSc, Geosciences, specialized in Geophysics, Lifetime Experience in the Geo-Energy Industry, Guest Lecturer TU Delft
30. Henck van Dijck, Sculptor, designer and innovator
31. David E. Dirkse, Former Computer Engineer and Teacher Mathematics
32. Dr. Tjibbe Dokter MBA, Expert in Scenario Analysis and Risk Assessment, retired from AkzoNobel
33. Marco Draaisma, ICT Process Coördinator
34. Vincent van Driel, MSc Mechanical Engineering TU Delft, Design and Construction of gas/oil processing plants, Retired
35. 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
36. Arjan Duiker, Process Technologist at Tata Steel, specialist on Thermodynamics and Fluid Mechanics
37. Louw Feenstra, Emeritus Professor Erasmus University and Philosopher, Rotterdam
38. Arnold Fellendans, Physics at TU Delft, 40 years at Unilever (retired), [www.omdeearde.nl](http://www.omdeearde.nl)
39. Frans Galjee, Mechanical Engineer, Retired Researcher at ECN
40. Jan van Gils, Teacher in Physics
41. Henk Goemans MSc, Geosciences, specialized in Reservoir Engineering
42. Frans H Gortemaker, Former Vice president Unilever Global R&D
43. W. J. Evert van de Graaff, Consulting Geologist, 50+ years Global Experience
44. Ton J.T. Grimberg, Oil & Gas Professional, Finance Adviser
45. Katharina Grimm Msc Agroecology and Sustainable Food Systems, Project Leader energy transition at the municipality of Epe
46. Kees de Groot, Former Director Upstream Research Lab. Shell
47. Paul de Groot PhD, Geoscience, Manager dGB Earth Sciences
48. 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
49. Leo Halvers, Former Director Billiton Research Arnhem and Former Director Technology Foundation STW
50. Hans Hamaker, University Degree in Phonetic Sciences, expert in biomechanics of speech, supporter of plasma cosmology, former wireless communication officer
51. Maarten Hardon BSc, Civil Engineering, Lifetime Experience in Offshore Industry, Director Venty BV
52. Eduard Harinck, Former Logistics Expert, Nedlloyd Group/KPMG Consulting
53. Godard Hazeu MSc, Geosciences, specialized in Geology, past Technical Director of the Dutch State Oil and Gas Company EBN
54. Edward Heerema Msc in Civil Engineering TU Delft, President of Allseas, worldwide active in offshore pipelaying and platform lifting
55. J.R Hetzler, Retired WUR Engineer Forestry Economics
56. Dr. Tom van der Hoeven, Energy Transport Modeling Expert
57. Dr. Martijn Hoevenaar, Independent Researcher, Physics, Education, Medicine
58. Jan F. Holtrop †, Emeritus Professor of Petroleum Engineering, Delft University of Technology
59. Hans Hombroek MSc, Geoscience, Lifetime Experience in the International Geo-Energy Industry
60. Tom Hoornstra, Air-conditioning Engineer
61. Jan Horstink, Earth Scientist, Exploration Projects Oil & Gas ME & FE
62. A. Huijser, Physicist and Former CTO Royal Philips Electronics
63. Jan de Jager, emeritus professor Geology (VU University Amsterdam, University of Utrecht)
64. Jan C. de Jong Msc Process Engineering TU Delft, expert in energy-and thermal process engineering, lifetime career in the oil and gas industry
65. Jan de Jong, former director Sampo Industrial Insurance NV. Benelux and Electrорisk Verzekeringsmaatschappij N.V.
66. Wouter J. Keller, Emeritus Professor of Statistical Methods, Former Member Board of Directors, Central Bureau of Statistics (CBS)
67. Jacques van Kerchove, Economist and Marketeer, Former CFO Rabobank, now Climate and Environment Researcher

68. Henri G. Kerkdijk-Otten, Msc History, University of Nijmegen (graduated in 1998), Founder and chairman of Restoring Africa's Wildlife Foundation, Founder and former chairman (until august 2017) of True Nature Foundation <https://truenaturefoundation.org/>
69. Rob de Kok, Principal Geophysicist, researching Influence of CO2 on Atmospheric Temperatures
70. Hans Kolmschate, Chemical Engineer, University of Twente
71. Henk de Koning MSc, former Principal Management Consultant Atos Consulting with specialisation Logistics, IT and Information Security
72. Rob W.J. Kouffeld †, Emeritus Professor of Energy Conversion, Delft University of Technology
73. Hans H.J. Labohm, Former Expert Reviewer IPCC
74. Arjan Lenoir, MSc Industrial Sciences
75. B.G. Linsen, Former Director Unilever Research Vlaardingen
76. Jaap M. van Luijk, Msc. Petroleum Engineering, lifetime experience in the international geo-energy industry
77. Pieter Lukkes, Emeritus Professor of Economic and Human Geography, University of Groningen
78. Hugo Matthijssen, Former Teacher Meteorology, now Publicist on Climate Matters
79. Leo D. Minnigh, retired scientist in structural geology, lecturer/speaker for non-professionals
80. 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
81. Ir. J.M. Mulderink, Former General Director Akzo-Nobel
82. Rob Nijssen, Radar Engineer and Publicist on Climate Matters
83. Rutger van den Noort PhD, Advisor in Innovation Processes, CEO Newcalf
84. Dr. Chris Oldenhof PhD in Photochemistry, Retired from the Dutch chemical company DSM
85. Peter Oosterling, Former Scientist E & P Shell, now active as Climate Researcher
86. Daan Osinga, Geologist
87. Kees Pieters, Mathematician, Former Operational Research and ICT manager at Shell
88. Robert J van der Plas MSc Applied Physics, MSc Development Studies, Sustainable Energy Management and Development Specialist
89. Reynier Pronk, Former IT Manager, Accredited Project Management Consultant and Trainer
90. Paul Ras Msc Geophysics TU Delft, Geophysical Consultant, climate realist
91. Ir B. Peter Rauwerda Msc. in nuclear engineering, TU Delft
92. Louis M.P.T. van den Reek, PharmD, Member of 'De Groene Rekenkamer'
93. Jan C. Reinoud, retired CEO Dutch chain of Supermarkets
94. A.G. Reitsma, MSc in Social technology, planned change (University of Groningen 1978) Social Technician
95. Kees Remi, Electrical Engineer, lifetime experience in Energy Distribution and Industrial Automation
96. Joseph Reynen, Finite Element Modeling Expert, Retired from EU Joint Research Centre in Ispra, Emeritus Associate professor TU Delft
97. G.T. Robillard, Emeritus Professor of Biochemistry and Biophysics
98. Jaap Romijn Msc in Civil Engineering TU Delft, lifetime experience in water management projects
99. Kees Roos, Emeritus Professor of Optimization Technology, Delft University of Technology
100. Rutger van Santen, Emeritus Professor of Anorganic Chemistry and Catalysis, Former Rector Magnificus, Eindhoven University
101. Don Schäfer, Former Director Shell Exploration & Production and New Business, Shell
102. Juleon Schins PhD in Molecular Physics, specialist in near infrared spectroscopy
103. Dr. Rob Schoevaart, Biocatalist, Co-founder and Managing Director of ChiralVision, being specialised in making chemical processes greener
104. Frans Schrijver, Strategy Consultant and Climate Publicist
105. Bert Sigmond, Geologist, Founder of EuGeNe Company in Geothermal Energy
106. Hendrick Smit, Chemical Engineer, specialised in Environmental Instrumentation
107. Jos de Smit, Emeritus Professor of Stochastic Operations Research and Former Rector Magnificus of the University of Twente

108. Barend-Jan Smits, Geologist, Former Director of Wintershall Nederland, BASF Group
109. Jack van Soest BSc, Geography teacher (retired)
110. 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
111. Albert Stienstra †, Emeritus Professor of Computer Simulation and Micro-Electronics, Delft University of Technology
112. P.J. Strijkert, Former Member Board of Directors of DSM, Delft
113. Hans van Suijdam, Former Executive Vice President Research and Development DSM
114. Dick Swart, MSc; worldwide drilling expert, lifetime of experience in the geo-energy industry
115. 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'
116. Peter van Toorn, Former Research Geophysicist Shell
117. Fred Udo, Emeritus Professor of Nuclear Physics, Vrije Universiteit Brussels
118. 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
119. Maarten Vasbinder MD, specialized in prion theories and practice
120. J.F. van de Vate, Former Director ECN, Petten, Former UN Delegate IPCC
121. Jan Verheij, Retired Scientist Applied Physics at TNO Delft, Emeritus Professor of Noise Control Engineering at Eindhoven University of Technology
122. Hans Verschuur MSc, Geosciences, specialized in Mining
123. H. Verveer, Civil Engineer, lifetime experience in maritime infrastructure and building services
124. Jannes. J. Verwer, Former Director ECN and Former Chairman Supervisory Board State Owned Radio Active Waste Storage Facilities
125. Dr Koen Vogel, Geologist and Geostatistician, lifetime experience in numerical modelling, proficient in evaluating and developing global energy projects
126. Henk van der Vorst, Emeritus Professor of Numerical Mathematics, University of Utrecht
127. Bart Vos, Msc Petroleum Engineering, Lifetime of Experience in the Geo-energy Industry
128. Rob de Vos, Geographer and Editor of "Klimaatgek"
129. Henk de Vries, lifetime experience in organised crime, expert in digital forensics
130. Jaap van der Vuurst de Vries, Emeritus Professor of Petroleum Engineering, Former Dean Faculty of Applied Earth Sciences, Delft University of Technology
131. 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"
132. Dr. André Wakker, energy expert, lifetime experience in nuclear energy, speaker and writer on energy transition
133. Karel Wakker, Emeritus Professor of Astrodynamics & Geodynamics, Delft University of Technology
134. Robert N. Walter MSc E.E., Member Advisory Board 'De Groene Rekenkamer'
135. Cyril Wentzel, Multi-Physics Engineer and Chairman of Environmental Think Tank 'Groene Rekenkamer'
136. Frans A. van der Werf, Master of Law, Owner of an International Business for Management, Consultancy and Finance
137. Dolf van Wijk, Formerly AkzoNobel Environmental Research Laboratory and Former Executive Director Cefic-Euro Chlor, Brussels
138. Jaap Wijsman, Mechanical Engineer, active in the offshore industry
139. Jan Winkel MSc, Chemical Engineering, specialization in Natural Gas Projects, Lifetime Experience in the Geo-Energy Industry
140. Theo te Winkel, Geo Scientist and International Health Care Specialist
141. W.J. Witteman, Professor of Applied Physics and CO2 Lasers, University of Twente
142. 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'
143. Theo Wolters, Chairman Environment, Science & Policy Foundation, Co-founder 'Groene Rekenkamer' and 'Climategate.nl'



144. Govert Zijderfeld, MSc Mining Engineering, Consultant for all Drilling, Mining and Naval Engineering activities
145. Dr. E.J. (Ed) Zuiderwijk, Retired Astrophysicist and Data Manager
146. 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, Physicist, Former Head of Renewable Energy Studies Programmes, University of Agder
7. Einar R. Bordewich, multidiscipline Engineering
8. Dr. Hans Borge, Associate Professor in Mathematics, University of Stavanger
9. Reidar Borgstrøm, Professor Emeritus in Fishbiology and Nature Conservation, University of Life Sciences
10. 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
11. Jon Gulbrandsen PhD, Biologist, Associate Professor NOFIMA and NOAA (USA)
12. Arve Gleissner Gustavsen, Msc in Cybernetics, Lifelong Experience in Design and Engineering
13. Rögvaldur Hannesson, Professor Emeritus, Norwegian School of Economics
14. Geir Hasnes, Adjunct Associate Professor, Institute of applied Cybernetics, Norwegian University of Science and Technology
15. Martin Torvald Hovland, Geophysical and Geological Advisor, Former Lecturer at University of Tromsø
16. Ole Humlum, Professor Emeritus in Physical Geography, University of Oslo
17. Morten Jødal †, Biologist, Former Employee of the Norwegian Research Council and the Centre for the Development and Environment at the University of Oslo
18. Dr. Ing. Hans Konrad Johnsen, Dr. Ing.
19. Olav Martin Kvalheim, Emeritus Professor, Chemistry, Bergen University
20. Arnfinn Langeland, Professor Emeritus Biology, Norwegian University of Science and Technology
21. Mikael Lindgren, MS Applied Physics and electronics, PhD Chemical Physics, Prof Applied Physics (Optics) and Biophysics (spectroscopy)
22. Willy Nerdal, Professor of Chemistry, University of Bergen
23. Johannes Oraug, Landscape Architect, Researcher for 11 years at the Norwegian Institute for Urban and Regional Research
24. Egil Pedersen, Dr. Eng. and Professor of Technology at UiT The Arctic University of Norway
25. Elen Roaldset, Emeritus Professor in Geology, University of Oslo, Former Director of Natural History Museum Oslo, Professor at Norwegian University of Science and Technology
26. Ulf Torgny Rock, Master of Chemical Engineering, Norsk Hydro
27. Håkon Gunnar Rueslåtten, Geological Researcher, Trondheim
28. Tom V. Segalstad, Associate Professor Emeritus of Geochemistry, University of Oslo
29. Einar Sletten PhD, Professor in the Dept of Chemistry, University of Bergen
30. 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 Investigación 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. Pieter IJzerman, entrepreneur in modern energy solutions and electric mobility
4. J.M.S. Martins, retired agrarian researcher
5. Pamela Matlack-Klein, Member of Portuguese Sea Level Project, USA
6. Dr. Peter Stallinga, Professor Associado com Agregação, Universidade do Algarve, Portugal, Faculty of Sciences and Technology, Department of Electronic Engineering and Informatics
7. João Tilly, Mechanical Engineer and Maths teacher



## SCIENTISTS AND PROFESSIONALS FROM ROMANIA

1. Marius Bratu, Senior Meteorologist, short and medium range weather forecast



## 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. Gleb I. Evgenev, Professor of Environment, Moscow State Technical University (MADI)
5. 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)
6. Eugene Nagibin, MA in Economics, CIR, Territorial Development and Management Consultant
7. Henni Ouerdane, Assistant Professor, Manager of the Energy Systems PhD Programme, Skolkovo Institute of Science and Technology, Moscow Region
8. 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. Andrew Frazer, offshore drilling, earth sciences and renewables
2. 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. Ján Lakota MD, PhD molecular biology
3. 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. Dr Hans Hofmann-Reinecke, nuclear physicist, author of several books “Grün und Dumm”, articles and videos on global warming and alternative energies for the general public
4. Rob Jeffrey, Economic Risk Consultant: Senior Economist and Managing Consultant, leading expert in energy and electricity
5. Kelvin Kemm PhD, Nuclear Physicist, CEO Nuclear Africa, Pretoria
6. Dr. John Ledger PhD, Visiting Associate Professor at the University of the Witwatersrand, Energy and Environmental Consultant, Consulting Editor, Freelance Writer, Editor and Lecturer
7. Prof. Richard Meissner, Associate Professor, Department of Political Sciences, University of South Africa
8. Don Mingay, Retired Professor of Nuclear Physics
9. Dr. Henrique J.S. de Barros Pinheiro, Geologist, Invited Associate Professor, Universidade Fernando Pessoa, Porto, Portugal
10. 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. Geografía
6. Antonio J. Huertas, Engineer with 35 years experience in Energy Politics and Operation, and Environmental Care
7. Isabel López García PhD on Chemical Engineering, Assistant Professor of Physical Chemistry and applied Thermodynamics, University of Córdoba
8. Alexander Keith Martin PhD Geology and Geophysics, Consultant geologist
9. 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
10. 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
11. Javier Vinós PhD, Scientist and independent climate researcher
12. 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. Erik Axelkrans MSc in physics and physical oceanography, University of Gothenburg
6. Rolf Bergman, Emeritus Professor of Physical Chemistry, Uppsala University
7. Dr. Lars Bern, Member of The Royal Swedish Academy of Sciences, Retired CEO in Incentive AB
8. Joakim Blomqvist, Sr. Design Manager for design and energy solutions within a larger construction company
9. Magnus Cederlöf, Software Specialist, Stockholm
10. Tore Dalväg Msc, Physics, Research Engineer in Hydrodynamics and Thermodynamics, Senior Advisor in Environmental Standards, Author of 'CO<sub>2</sub> a source of life or a threat'
11. Hans Eklund PhD, Technology, Acting Professor at the Department of Laser-and Electro-optics, Chalmers University of Technology, Gothenburg
12. Per-Olof Eriksson, Physicist, Former CEO of Sandvik Group
13. Dr. Anders Flodin PhD, Mechanical Engineering, NC, USA
14. David D. Gee, Professor Emeritus Orogen Dynamics, Uppsala University
15. Anders Grufman MSE, MA Economics, Industrial and Environmental Economics
16. Jan Hagberg PhD, Statistics, Stockholm
17. Björn Hammarskjöld MD, PhD in Biochemistry, Assistant Professor in Pediatrics
18. Lars Hässler PhD, Rock and Soil Mechanics, Bsc Chemistry and Biology, MSc Civil Engineering
19. Eilif Hensvold PhD, Mathematics, Associate Professor of Mathematics (Retired), Simulation of Large-scale Industrial Systems, Uppsala University, Luleå Technical University
20. Gunnar Holmgren PhD, Space Physics, Retired Head of Dept. of Engineering Sciences, Uppsala University
21. Mats Janson MSc, Electrical Engineering, KTH Royal Institute of Technology, Stockholm
22. Hans Jelbring, Climate Researcher
23. Göran Johansson, Specialist in Energy Systems
24. Claes Johnson, Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
25. Gunnar Juliusson, Professor of Hematology, Lund University, Senior Consultant, Skåne, University Hospital, Lund
26. Sten Kaijser, Emeritus Professor of Mathematics, Uppsala University
27. Johnny Kronvall Mah, Emeritus Professor in Building Physics, Malmö University and Lund University
28. Lars E. Linder, Associate Professor of Medicine, Gothenburg
29. Rune Lundgren MSc, Helsinki University of Technology, Energy System Expert
30. Johan Montelius, Associate Professor of Computer Science at the Royal Institute of Technology, Stockholm
31. Jacob Nordangård PhD, Technology and Social Change at the University of Linköping, Researcher on Climate Change History
32. Gabriel Oxenstierna PhD, retired, currently author for Klimatupplysningen.se
33. Gösta Pettersson, Emeritus Professor in Biochemistry, University of Lund
34. Marian Radetzki, Emeritus Professor of Economics, Luleå University of Technology
35. Mats Rosengren, Mathematics, Space Flight Trajectory Specialist
36. Torsten Sandström, Professor Emeritus, Department of Law, University of Lund
37. Rabbe Sjöberg PhD, Geology, Member of Paleogeophysics & Geodynamics Institute
38. Peter Stilbs, Emeritus Professor of Physical Chemistry, Royal Institute of Technology (KTH), Stockholm
39. Prof. Jan-Olov Strömberg, Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
40. Tege Tornvall, Member of Klimatrealisterna and of its election committee, active in network Klimatsans
41. Lars H. Thylen, Professor Emeritus in Photonics, Dept. of Theoretical Chemistry and Biology, Royal Institute of Technology, Stockholm, specializing in Low Power Nanophotonics Technology

42. Gösta Walin, Professor Emeritus in Oceanography at University of Gothenburg
43. Elsa Widding, Consultant, Author on Climate Change, Stockholm
44. Lech Wosinski, Researcher Emeritus, Associate Professor, Royal Institute of Technology, Stockholm
45. Örjan Wrangé PhD, Emeritus professor in Molecular Genetics



## SCIENTISTS AND PROFESSIONALS FROM SWITZERLAND

1. Dr. Denis Bednyagin, researcher specialised in integrated (Energy-Economy-Environment) assessment modelling
2. Thomas Binder, Cardiologist and Internist
3. Majed Chergui, Emeritus Professor of Chemistry and Physics
4. Helmut Elben PhD in Physics, working as Strategy, Technology and IT Consultant
5. Dr. Michael Esfeld, full professor of philosophy of science, University of Lausanne
6. Ferruccio Ferroni, Dipl.Ing. ETH, Energy Consultant
7. Rene Funk, Software engineer, specialized in Analysing Satellite, Sea and land Temperature
8. Werner Furrer MSc, Mathematics and Physics, President of the Climate Realistic Group in Switzerland
9. Christian Jacot, Pharmacist
10. Markus D. Knecht, chemist, 15 years research on climate change
11. Joseph Ongena, Member of the Permanent Monitoring Panel for World Energy, World Federation of Scientists, Geneva
12. Dr. Jean-Claude Pont, Dr. Math., Emeritus Professor of The History of Philosophy of Sciences, University of Genève
13. Dr. Franz-Karl Reinhart, Emeritus Professor of Physics, Lausanne
14. 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
15. Heinz Schmid, Dipl. Ing. Agr ETH, more than 10 years involvement in climate science and climate communication
16. Dr. Ralf Lorenz Schmitt PhD in Chemistry, Product Manager
17. Thomas Stadler MSc in Physics, ETH Zürich, Geophysics, Specialty in Geothermics
18. 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
19. 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
2. Ufuk Coscun, columnist at Milat Newspaper



## SCIENTISTS AND PROFESSIONALS FROM UKRAINE

1. Vsevolod Lozitsky, DrSci, Astronomical Observatory of Taras Shevchenko National University of Kyiv, expert in area of solar physics, solar activity and magnetic field, as well as solar-terrestrial connections
2. Irina Vasiljeva CSC, Research Fellow at the Main Astronomical Observatory of National Academy of Science of Ukraine, research interests include solar physics



## 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. Nigel Banks PhD Geology, Petroleum Geologist
4. Andrew P. Barker, Biological Chemist
5. John Anthony Barney, Retired Scientist and Technologist
6. Nik Bartley, Mechanical Engineer

7. Nigel Beckwith, professional graduate Podiatrist, Post Grad. in Sports Science, Post Grad. in Science Education
8. Alan Richard Belk, retired Mechanical Engineer with a 40+ year international career in energy, industrial gas and chemical industries
9. Roshan Bhunoo, Mathematics and Statistics, former Climate Data Analyst at the Meteorological Office
10. Paul Binns, Former Research Geoscientist and Climate Researcher
11. David Bodecott, Geologist/Geophysicist, Fellow of the Geological Society of London
12. Dr. Richard Booth, retired Special Merit mathematician in the UK Civil Service
13. D.Q. Bowen, Emeritus Professor of Earth and Ocean Sciences, Fellow International Union for Quaternary Research, Cardiff University
14. Dr Phillip A. W. Bratby, Physicist, Member of the Institute of Nuclear Engineers, retired energy consultant
15. Michael Brown, Expert in Large Scale Thermal Fluid Dynamic Models
16. Paul Burgess, BSc, MSc, C.eng retures, Retired water resources engineer
17. Derrick Byford BSc (Hons) holder of 10 patents, previously Deputy Director Research & Statistics Inner London Education Authority
18. Gerry Byron BSc in Physics, MBA which included modules on statistical anlysis
19. Peter Cale, Solicitor, co founder and fund raiser for wave energy research project as Director of Staithe Energy Products (1988 1995)
20. George Carey, BSc Hons. Physics and Geology, Lifetime Physics teacher and amateur astronomer
21. Brian R. Catt, Physicist, Electrical Engineer, Retired, publishing papers on Energy and Climate Change
22. Arthur Champion, retired European Environmental Coordinator and CofE Diocesan Environmental Adviser
23. John Church, Earth Science Professional, Retired from Energy Sector
24. 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"
25. John C.W. Cope, Professor of Geology, National Museum Wales, Cardiff
26. Richard Courtney, Retired Material Scientist, Expert Peer Reviewer of the IPCC
27. Chas Cowie, GDE Mining Engineering, Wits University, Retired IT Professional worked primarily in Mining and Logistics Industries
28. Dr. David Critchley, Senior Clinical Pharmacologist, mathematical modelling of complex systems
29. Michael Cross, Chemical Engineer
30. Peter Cunningham, Expert in Mathematical Modelling of Complex Physical Phenoma
31. Isabel Davies, Geophysicist and Entrepreneur
32. Dr Philip George Davies, Principal Lecturer in the Department of Computing and Informatics at Bournemouth University
33. Robert Davies BSc Airline pilot
34. Dr. Keith P. Dawson, Environmental and Agricultural Researcher
35. Jeremy Dawson, retired Chartered Engineer with a career in the oil and gas industries
36. 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
37. Howard Dewhirst FGS, Geologist, Initiator Open Letter to the Geological Society of London
38. James Dillon BSc Physics, DPhil Nuclear Physics, Former research physicist
39. Gregor Dixon FGS, Geologist, Former Member Geological Society of London
40. Peter Dorey BSc Physics, Senior Project Manager, (and unpaid educator & Climate Scientist)
41. Timothy (Tim) C. Duckworth, Retired Mechanical Engineer in the Oil & Gas industry, Senior Auditor in Management/Facility/HSE
42. Dr. Michael Earle, international earth scientist, energy professional, author
43. Dr. John S. Easterby, Retired Senior Lecturer in Biochemistry University of Liverpool, Research area: Protein chemistry, Enzymology, Metabolic Modelling
44. Roderick Paul Eaton, MBA FIET MCMI, Retired Consultant Energy Industry Analyst/ Management Consultant
45. Debra Eddy, Entrepreneur and Guest Lecturer in Business Management

46. 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
47. Peter Etherington-Smith, Geologist/Oceanographer, Coral Reef Researcher, MSc Petroleum Engineering (Imperial), life-time international experience in developing countries, retired from BG
48. Kevin Foo MSc, DIC, Dip. Met, AusIMM, IOM3, SME, Ch.Eng., President Tianshan Jade (UK) Ltd
49. Sean Galbally, Project Manager Water and Wastewater Systems
50. Kalghatgi Gauram PhD Aeronautical Engineering, Consultant Professor, 50 Years' experience in R&D in combustion, fuels and energy
51. Gil Gilchrist, Geophysicist
52. Alan Gill, Retired Engineer in South Wales
53. Peter Gill, Physicist, Ex Chair Institute of Physics Energy Group, Ex London Branch Chair & Fellow of EI
54. Paul R. Goddard, retired Professor of Radiology, University of the West of England
55. John D. Goss-Custard PhD Ecology, University of Aberdeen, Visiting Professor in the Department of Life and Environmental Sciences, Bournemouth University
56. Alastair Gray, retired geologist, 50 years in oil exploration, production and asset evaluation
57. Delphine Gray-Fisk, Former airline pilot, and parliamentary candidate for both the UK Independence Party and Brexit Party
58. 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
59. David P. Gregg, retired Unilever Research group leader and scientist, former visiting professor in control engineering, book author on studies of historical climate time series based on modern spectral analysis techniques
60. 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
61. Jimmy Haigh, Independent Geological Consultant
62. 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
63. Tim Harper, Geomechanics Consultant and Researcher, previous Recipient of the Royal Academy of Engineering MacRobert Award for Engineering Innovation
64. John Harrison, Former Chartered Physicist and Chartered Engineer
65. Ken Harrison, Retired Chartered Physicist
66. Peter Harvey, Project Manager – Renewable offshore wind industry
67. Raymond Hayes, BA (Lond) M.Litt (Oxon) FRGS Solicitor Hong Kong and England and Wales
68. Robert Heath, Retired Geophysicist, Honorary member of the Indian Society of Petroleum Geologists
69. Alex Henney, Formerly London Electricity Board, Consultant on Electricity Matters
70. Roger Higgs, DPhil (Oxon), Independent Geological Consultant, Geoclastica Ltd.
71. Tatiane Melchior Stefanello Hodson, Oceanographer, author, undertaking a Master's degree in International Public Policy at Queen Mary University of London
72. Dr Sinclair Holland, MBChB(Edin) Medical Doctor
73. Paul Homewood, Climate & Energy Policy Analyst
74. Keith H. James PhD, Consultant Geologist
75. Anthony Janio PhD in Physics, Independent Elected Councillor in Brighton and Hove
76. David A.L. Jenkins, Geologist, Director Hurricane Energy plc
77. Dr. Chris Jesshope, Emeritus Professor University of Amsterdam, Director Techne Consulting Ltd.
78. David Jessop C.Eng., M.I.C.E., lifetime career in the water industry
79. Robert Jones, BSc and PhD Mining Engineering, Director at Warwick Energy
80. Stephen Latimer Jones BA Chemistry, IT professional
81. Zana Juppenlatz, Consultant in environment, environmental law and sustainability, including renewable energy projects
82. John L.D. Kerr B.A. (Hons) in Environmental Science & Technology; B.Sc. (Hons) in Chemistry, active as Environmental Consultant
83. David A. Kirkwood MSc MIET, Professional engineer working in IT, Deputy Chairman of Reform UK Scotland



84. Geoffrey W. Lane, retired Marine Engineer and Technical Author
85. Roger Longstaff, Experimental Space Physicist and Company Director
86. Anthony Lowe BSc Hons Polymer Chemistry and Physics, Consultant Polymer Solutions
87. Peter Justin Lunt MSc Geology London, adjunct lecturer in geology (stratigraphy) at Universiti Teknologi Petronas and Shandong University of Science and Technology (SDUST) Qiangdao
88. Tom Mackay BSc, Geologist, Fellow of the Geological Society (FGS) of London
89. Chris MacKenzie MSc, Director and Geological & Environmental Consultant at Peak Minerals Ltd.
90. Stephen Martin, retired exploration geophysicist
91. CJ Matchatte-Downes, Geologist and Geochemist, particularly involved in studies about past Climates including Glaciation
92. 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
93. Dr. Niall McCrae PhD in Mental Health
94. 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
95. Geoffrey Middleton, Chartered Architect, Social Science
96. Terence Mordaunt, Accomplished businessman, Self taught climate scientist mentored by Professor David Bellamy
97. Dr. William Morgan, Retired Clinician
98. Dr Ian Mortimore BSc, PhD, MB, BS, FRCP, retired Consultant Respiratory Physician in the NHS with research affiliations to Edinburgh and Newcastle Universities
99. Philip Mulholland, Geoscientist, Life time experience in the Geo-Energy Industry, co-author of the DAET climate model
100. Stuart Munro, Exploration Geologist and Geophysicist
101. Edward Nealon, Geologist Member of the Australian Institute of Mining & Metallurgy
102. Alex Nichols, BSc Geography, MSc Environmental Assessment, 27 years in sustainability consultancy, programmes and projects
103. Blair Nimmo, Electronic Engineer, working in Computer Networking and Optical Surface Metrology and Fibre Optics
104. Gerard O'Donovan, Entrepreneur, Business Owner, career in building international and multinational organisations
105. Michael John Oates, Geologist, Lifetime Experience in the Geo-Energy Industry, Fellow of the Geological Society of London
106. Peter Owen FGS, Fellow of the Geological Society of London
107. Jonathan R. Partington, Emeritus Professor of Mathematics, University of Leeds
108. Dennis Paterson, Geologist, Retired
109. Dr. James Petch, Physical Geographer, formerly Reader in Environmental Science at MMU and Head of Distributed Learning at the University of Manchester
110. Peter Phillips BSc Hons Mechanical Engineering, lifetime experience in the geo-energy industry
111. Graeme Phipps, geologist and geophysicist, Jersey Channel Islands
112. Dr. James Pindell, Geologist, specialised in plate tectonics and palaeographic evolution, Director of Tectonic Analysis Ltd (UK), Adjunct Professor at Rice University (USA)
113. Gerry A. Quinn, Research Scientist, Ulster University, lifetime career in microbiology, biochemistry and environmentalism
114. Clive Randle, Geologist, Fellow of the Geological Society of London
115. Michael J. Rath, Professional Forrester
116. 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)
117. Dr. Colin Richard Reeves, Emeritus Professor of Operational Research, Expert in Mathematical Modelling
118. Ceri Reid, PhD Electrical and Electronic Engineering, Sonar Specialist
119. Steven Andrew Richards MSc, Retired Chartered Engineer, Retired Lecturer from Portsmouth University and Southampton Solent University
120. Michael F. Ridd, Geologist, Fellow of the Geological Society of London

121. Anthony Robb PhD, Retired Chemist
122. Salmaan Saleem, Family Medicine Doctor
123. Richard Saumarez, Biomedical Engineer from Imperial College
124. Robert M. Schneider MSCE, retired Civil Engineer
125. Michael Seymour, Geologist, Fellow of the Geological Society of London
126. Mike Sluman, Retired teacher with an honours Degree in Environmental Biology
127. Dr. Ian Smith, MSc Maritime Archaeology, PhD Chemistry
128. Mike Stigwood, Environmental Researcher
129. Stephen Taylor PhD, Infra-Red Physicist and Tidal Hydrographer, MD Geomatix Ltd., Member of Inst. of Physics, Member of Inst. of Electrical and Electronic Engineers, Associate Fellow of Royal Institute of Navigation, Member of the Hydrographic Society
130. Leslie Thomson, Retired Vice President Operations, BP Exploration, Aberdeen
131. Derek Tipp, BSc honours degree in chemistry, former research chemist and retired science teacher, currently councillor on New Forest District Council
132. David Todd, retired Associate Member of the Institute of Bankers, Post Graduate Certificate in Business and Management
133. Edwin Thwaites, Retired Principal Lecturer in Organisational Analysis and Crisis Management, University of Central Lancashire, Preston
134. Matthew D. Waggener, Financial professional, strategic consultant on business investments
135. Dr. Glenn K. Wakley, Emeritus Associate Professor Biological Science, Fellow of the Royal Society of Biology and member of The Anatomical Society
136. Professor David Wastell, Emeritus Professor of Information Systems at the University of Nottingham
137. Philip Linden Wilkes, Life time Experience in Marine Biology
138. Jay Willis, Marine Scientist, Associate of the OxNav Group of Oxford University
139. Paul White, BSc Physics, Durham University, Retired, Former Higher Scientific Officer Marine Climatology
140. Matt Wood, BSc in Metallurgy & Materials Science, Retired Airline Pilot, Patent holder
141. Valentina Zharkova, Professor of Mathematics and Astrophysics, Northumbria University, Newcastle upon Tyne
142. Ivor Zoeflig, International communications coach specialised in chaodynamics and NLP LP



## SCIENTISTS AND PROFESSIONALS FROM USA

1. *Dr. John F. Clauser, Nobel Laureate Physicist; WCD Ambassador*
2. *Richard Lindzen, Emeritus Professor Atmospheres, Oceans and Climate, MIT; WCD Ambassador*
3. Edward Abbott MD, Retired obstetrician, BSc in math and chemistry
4. 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
5. Ralph B. Alexander, Emeritus Professor of Physics, Science Writer
6. Michael Antonetti P.G., Professional geologist for 35+ years in Pennsylvania with Ms in glacial geomorphology
7. Anthony J. Armini, Retired Founder and CEO Implant Sciences Corp.
8. Dr. Malgorzata Askanas, Senior R&D Associate at the Aurora Biophysics Research Institute
9. Hans-Peter Bähr, Emeritus Professor of Pharmacology, Canada and Former Dean of Basic Medical Sciences, American University of Barbados, Barbados
10. Jeffrey Baldwin, petrophysicist and rock physicist specialist
11. Lynne Balzer, certification in Biology, Chemistry and Physics, founder of Faraday Science Institute, retired high school teacher (chemistry, physics and biology), adjunct college science professor
12. Donna Barr, lifetime career as investigative journalist worldwide
13. Bryan Barrilleaux, MD, Physician of Internal Medicine
14. 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

15. 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
16. Charles G. Battig, Climate Adviser, Heartland Institute
17. Eric Baum PhD in Theoretical Physics, Princeton University
18. Scott Beattie, Juris Doctor Degree (Law), studied history of science for 25 years and climate science for ten years
19. 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
20. Larry Bell, Endowed Professor of Space Architecture, University of Houston
21. Frank X. Bellini, Geologist and Environmental Scientist, lifetime experience in the nuclear power industry
22. Dr. Shmuel Ben-Shmuel PhD in Aerospace & Mechanical Engineering, retired aerospace engineer, worked on the Space Shuttle, doing Computational Fluid Dynamics simulations
23. David J. Benard, Chemical Physicist & Co-inventor of the Oxygen-iodine Chemical Laser
24. Haym Benaroya, Distinguished Professor of Mechanical and Aerospace Engineering, Rutgers University
25. Edward X. Berry PhD, Atmospheric Physicist, American Meteorological Society, Author, Climate Physics LLC
26. Ronald Berti, lifetime career in the semiconductor industry
27. Brent J. Bielema, studied Economics at Northern Illinois University, professional nutritional counselor
28. 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
29. Jared L. Black, Numerical Analysis Consultant, ScD
30. 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
31. Elliott D. Bloom, Emeritus Professor of Particle Physics and Astrophysics, KIPAC-SLAG, Stanford University
32. David Boleneus, Professional Geologist
33. Daniel Botkin, Emeritus Professor of Biology, Climate Researcher, Author of the Book: Twenty-five Myths That Are Destroying the Environment
34. Robert L. Bradley jr., CEO and Founder of the Institute for Energy Research
35. Dr. William Briggs, Alumnus Cornell University, Writer and Philosopher
36. Daniel Brimhall, MS Extractive Metallurgy, University of Utah, retired Vice President Operations, American Chemet, East Helena, MT, now active as consultant
37. Clare Livingston (Bud) Bromley III, BS Natural Sciences, scientific instruments executive
38. Joel M.G. Brown, retired petroleum engineer
39. Dr. Larry Frank Brown PhD in Range Plant Ecology (Ecophysiology) from Colorado State University (1974), President of L.F. Brown & Assoc. Inc.
40. Gerald Brunetto, Retired after lifetime career in engineering & building nuclear & fossil fuel fired steam power plants
41. James W. Buell PhD, Aquatic Biologist, Consultant
42. Robert Bugiada, Senior Process Engineer at R.C. Costello & Assoc. Inc
43. 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
44. David Burton, System and Computer Scientist, Expert Reviewer of AR5 and AR6, Member of the CO2 Coalition, and Creator of the SeaLevel.info website
45. Mark Shane Butler, MA in mathematics, lifetime career in data science
46. 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
47. Ron Cakebread, mechanical engineer with 35 years in the industrial automation business; experience in modeling, simulation, and analysis of very complex systems
48. Sharon R. Camp PhD, Retired Analytical Chemist and Environmental Scientist

49. Nick Capaldi PhD, Author Books on Logic, the Scientific Method and the Philosophy of Science
50. John M. Cape, P.E. former military officer and economics instructor at West Point, Licensed Professional Engineer, Energy Consultant - Upstream Oil and Gas, now writing Net Zero themed novels
51. John Carr, Electronic Engineer, specialised in antenna and satellite installations
52. Marion G. Ceruti PhD Chemistry, Retired Research Scientist, Space and Naval Warfare Systems Center Pacific
53. Dr. Francis Cheng, Professor of Chemistry with specialties in carbon materials, batteries and energy conversion, University of Idaho
54. Mitchell R. Childress, Archaeologist and Cultural Resource Environmental Compliance Specialist, Commonwealth Heritage Group
55. Prof. Krishnan Chittur, emeritus-professor in chemical engineering and biotech, Univ of Alabama Huntsville, cofounder of medical diagnostics startup (genecapture)
56. Terigi Ciccone, Engineer, author of "A Hitchhiker's Journey Through Climate Change," and a proud former Sierra Club member
57. 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
58. Roy Clark, Climate Researcher, Retired Engineer, California
59. 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
60. Dr. Richard Collingham PhD in Engineering, Professor for 16 years teaching Graduate Level Heat Transfer and Fluid flow courses
61. Sabin W. Colton PhD, Biochemist and Marine Biologist
62. Gary Cooke MSc Geophysical Sciences, Laboratory analyst and manager, studied sea level curves since the 1980s
63. Martin Cornell, Retired Senior Scientist, Dow Chemical Company
64. David T. Cramer, MS, Instructor of Sociology and Psychology, Pratt Community College
65. Daniel Clyde Cummings, M.D. University of Utah School of Medicine, B.A. mathematics, political advocate against all treaties and most legislative proposals to limit use of fossil fuels
66. John Curtin Msc in Economics, lifetime experience in strategic planning and forecasting
67. 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
68. Raphael D'Alonzo, Analytical Chemist, Retired Associate Director, the Proctor & Gamble Company
69. George Davey, Physicist, University of Iowa
70. Donn Dears, GE Company Engineer, and Senior Executive, Retired, Author of 'Net-zero Carbon, The Climate Policy Destroying America'
71. Ken DeGraaf, MSc Engineering Mechanics, Structural Dynamics, Colorado House of Representatives, USAF pilot, Instructor: USAFA AP Calc; weather for pilots, Environmental Manager, Michigan ANG
72. James DeMeo PhD, Retired Expert in Earth and Atmospheric Science, Oregon
73. David Deming, Professor of Arts & Sciences, University of Oklahoma
74. William Robert Detzner, retired special education teacher, fighter against the continuing reduction of personal freedom
75. David Dilley MSc, Meteorologist-Climatologist-Paleoclimatologist, CEO Global Weather Oscillations Inc.
76. Robert G. Dillon, retired physician and astronomist
77. Robert G. Dodge, Attorney
78. Terry Donze, BS-Geological Engineering, Lifetime Career in Geophysical Consulting
79. Michael Down, Petroleum Engineer, lifetime experience in the geo-energy industry
80. Jack D. Downing, Geologist and Geophysicist
81. Gordon A. Dressler MSc, 36-year professional career as a rocket and spacecraft propulsion engineer; awarded six patents in the field of rocket propulsion
82. Paul Driessen, Senior Policy Advisor, Committee for a Constructive Tomorrow (CFACT) and Congress of Racial Equality (CORE)
83. John Droz jr., Physicist, Founder of AWED Alliance

84. Dr. William DuBroff PhD Metallurgy, Former Director of Research Inland Steel, Former Asst. Professor Clemson University
85. John Dueker, MBA University of Houston, BSEE University of Notre Dame, 45 years of experience in environmental permit compliance
86. Murray Duffin, BScEE, MBA, former Corporate Vice President for Total Quality and Environmental Management, Retired
87. John Dale Dunn MD, JD, Lecturer Carl R. Darnall Army Medical Center, Fort Hood, Texas
88. Prof. James E. Enstrom PhD, MPH, FFACE, Retired UCLA Research Professor in Epidemiology, President of the Scientific Integrity Institute, Los Angeles
89. Richard G. Eramian, BA in Mathematics and physics
90. Willis Eschenbach, Generalist and Author of many (peer-reviewed) critical Climate Articles with numerous Citations
91. Vincent Esposito, Adjunct Professor University of Pittsburg, PA, Doctor of Science in Nuclear Engineering (Un. of Virginia), Retired Manager from Westinghouse Electric Company
92. Douglas Fairbent, Retired Physicist trained in Condensed Matter Theory, PhD (Physics), University of Michigan, 1978
93. Peter Farrell, Fellow of the US National Academy of Engineering
94. Ralph English Fidler, Professional Aerospace Engineer
95. Edward Patrick Flaherty, American lawyer based in Geneva, litigating against the UN, WMO, WIPO and other IOs on behalf of staff members, whistleblowers and injured third parties
96. Rex Fleming, Research Scientist, Author of Book on Carbon Dioxide Fallacy, Retired President Global Aerospace
97. Jim Folcik, Geosciences Manager Extraction Oil & Gas
98. James Forensky B.S.E.E., M.D. with background in Physics, Engineering and Medicine
99. 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
100. Dr. Neil Frank, Lifetime of Experience in Research and Forecasting in Tropical Meteorology, Former Director National Hurricane Center
101. Patrick Frank PhD, SLAC National Accelerator Laboratory, Stanford University
102. Robert S. (Steve) Friberg, Trend Resources LLC, Resources Exploration Geologist with +55 years of experience in the geological sciences field
103. Gordon J. Fulks, Astrophysicist, Board of Directors CO2 Coalition, Co-founder Global Warming Realists
104. S. Fuller Hunt, Biology Teacher at Preparatory High School of Mathematics, Science, Technology and Careers, Calabash, North Carolina
105. Lynn Warren Funk, accelerator physicist, climate realist
106. Terry Gannon, Physicist, Retired Semiconductor Executive
107. Dr. Philip Garrou PhD Chemistry 1974 Indiana Univ. Retired Director of Technology at Dow Chemical's electronics division. Serves DARPA and the DoD as a microelectronics subject matter expert (SME)
108. Louis Genevie PhD, Epidemiologist, [www.LitStrat.com](http://www.LitStrat.com)
109. Nicholas De Gennaro PhD, PE, Coastal Engineer, Southport North Carolina
110. 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
111. Ulrich H. Gerlach, Professor of Mathematics, Ohio State University
112. 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
113. Thomas A. Gilliam PhD, Professor of Accounting, Retired
114. Alan Glabe PhD Organic Chemistry, University of California, Retired
115. Dr. William Glassco, PhD in Medicinal Chemistry, former researcher, currently Instructor
116. Curtis Fred Goddard, Retired Geologist
117. 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)
118. Dr. J.D. Gold, lifetime experience in Clinical Psychology; worked in the frontlines of the war against the madness of terrifying people
  119. 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
  120. Derek Gordon, CEO HTS Engineering
  121. Timothy W. Gordon, Retired USAF/USN Veteran, Independent Researcher
  122. Steve Goreham, Executive Director, Climate Science Coalition of America
  123. Laurence I. Gould, Professor of Physics, University of Hartford, Past Chair, New England Section of the American Physical Society
  124. Jim Granato, Dean of the Hobby School of Public Affairs, University of Houston, lifetime career in research methodology
  125. Charles F. Gritzner PhD, Professor Emeritus of Geography, author of the book "Changing Climates" (2010)
  126. Mike Gruntman, Professor of Astronautics, Space Physics and Space Technology, Space and Rocket History University of Southern California
  127. Thomas Gyrog, P.E., Project Manager and Designer of transportation infrastructure projects
  128. 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
  129. Stephen Hallin, Retired from Atmospheric Science (BA 81 MS 91)
  130. Dale B. Halling, BSEE, MS Physics, JD, Retire Patent Attorney
  131. Lyle W. Hancock, Professional Mathematician
  132. Kip Hansen, Independent Science Research Journalist
  133. Dr. William Happer, Professor Emeritus in the Department of Physics at Princeton University
  134. Brett T. Harding, Materials Scientist in Sustainable Technology, over 20 granted patents in nanoceramics, OLED, photocatalyst, optical devices, and related materials
  135. Steven Harford PhD chemistry and lifetime career in renewable energy and aerospace research
  136. Richard Harris PhD atmospheric physics and chemistry as applied to radiation transport modeling, laser propagation, high power microwave propagation
  137. Korbi Hart, Marketing Director Inland Crude Purchasing
  138. Peter J. Hatgelakas, Masters in Petroleum Engineering, petroleum geologist, geophysicist, and petroleum engineer at Hatgelakas Consulting
  139. Bryan Haycock PhD, Adjunct Faculty at a University in the state of Utah
  140. Howard C. Hayden, Emeritus Professor of Physics, University of Connecticut
  141. David Heald, Retired Electrical Engineer
  142. Donald R. Healy, BS Degree in Forest Management from Oregon State University, Participated in Anthony Watts' first Surface Station Project
  143. 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
  - 144. Tony Heller, Geologist, electrical engineer, climate communicator at [realclimatescience.com](http://realclimatescience.com) 1500th signee**
  145. Edward G. Helmig, Environmental Engineering Professional in the field of Industrial Water Treatment and Environmental Protection
  146. Oliver Hemmers, Retired Executive Director of the Harry Reid Center at the University of Nevada, Las Vegas
  147. James D. Henry, Consulting Geologist, BS Geology, U Texas Austin, 1970, founder of Old Aulacogen, L.P. in 1991
  148. Glenn C. Hillam, Big Data Architect/Scientist
  149. 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)
  150. Jim Hollingworth, Social Scientist, Book: 'Climate Change: A Convenient Truth'
  151. Dr. Gary M. Hoover, Geophysicist, Lifetime Experience in the Geo-Energy Industry, Retired Member Board of Directors Geo-Service Company

152. Christopher Paul Horger, lifetime experience in optical network design
153. 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
154. Captain Thomas C. Houghton USNR (Rtd), Qualified Nuclear Engineering Officer; Sr. Director, Reactor Programs, Nuclear Energy Institute
155. J. Stephen Huebner PhD, Retired Research Geologist, U.S. Geological Survey
156. Edward Huff PhD, Retired NASA Senior Scientist
157. Kanzan Inoue, MS & PhD in Physics, President & Physicist of Exponential Future LLC
158. Jim Janota, Developing and improving petroleum based Chemicals, Plastics and applications
159. Laurence N. Johnson, Lt Col, USAF (Ret), MS in meteorology, MSE in aerospace engineering
160. Dr. Thomas J. Karr, PhD physicist, Retired Principal Director in the U. S. Office of the Undersecretary of Defense for Research & Engineering
161. James Kelly PhD Physics, data science executive
162. Kathryn E. Kelly, President Delta Toxicology
163. Kerry Kelly, Geology degree. Energy and Environment Professional
164. Michael L. Kelly, US Navy, BS, Tool Design Engineer (retired)
165. Hugh Kendrick PhD, Retired Director Plans and Analysis, Office of Nuclear Reactor Research, US Dept. of Energy, Fellow American Physical Society
166. Kevin T. Kilty, Adjunct Prof. Mechanical Engineering at University of Wyoming
167. Fred Kinsley, Retired Geologist (MSc)
168. Kevin Kirchman, Editor of the Climate Science Journal, more than a decade in renewable energy engineering
169. Floyd Lee Knapp BSc, Portland State University, 300 level Geography and Climatology
170. Stephen C. Knowles, Marine Scientist and Geologist, Beacon, New York
171. Kenneth D. Kok, retired Nuclear Engineer, ASME Fellow, Past Chair of the ASME Nuclear Engineering Division and the ASME Energy Committee
172. Alex Kozinski, Retired Judge on the US Court of Appeals
173. Wayne P. Kraus, Member American Institute of Chemical Engineers (AIChE)
174. Kirk Laird, retired. Oceanographer and Meteorologist (US Navy), Geologist with US Bureau of Land Management
175. 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
176. 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
177. Jay Lehr † PhD, Senior Policy Analyst for the International Climate Science Coalition, Former Science Director of the Heartland Institute
178. David P. Lentini, Chemist and Patent Attorney, New Hampshire
179. Dr. David H. Lester, PhD in Chemical Engineering, Advisor to [allaboutenergy.net](http://allaboutenergy.net)
180. James M. Leverentz, Instructor UCI, Manager, California
181. Ulf Lindqwister, PhD theoretical particle physics, Princeton University, Business executive with 30+ years of industry experience
182. Howard R. Lowe, Prof. Eng., Geologist
183. Dean Lusby, IT professional, business owner, Pennsylvania
184. Jeffrey Mahn, Retired Nuclear Engineer Sandia National Laboratories (New Mexico), Member Scientists for Accurate Radiation Information (SARI), Member Nuclear Society (ANS)
185. Matt Malkan PhD, Distinguished Professor of Physics and Astronomy, UCLA
186. Wally Manheimer, Retired from the US Naval Research Lab and life fellow of APS and IEEE
187. Prof. Paul Manner MD FRCS, Joint Replacement/Hip and Knee Arthritis, Department of Orthopaedics and Sports Medicine, University of Washington
188. James A. Marsh, Emeritus Professor of Immunology, Cornell University, Dept. of Microbiology and Immunology

189. David Martinovich, General Science Teacher, grades K-12, United States, China, and Belize
190. John Mauer PhD in Atomic and Molecular Physics, 20 years experience as a physicist, currently business owner in statistical analysis and software
191. Kirk Maxey, BS Organic Chemistry, MD, President and Founder of Cayman Chemical Inc
192. Andy May, Writer and Retired Petrophysicist
193. 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
194. William McCann PhD Seismology, lifetime career in Earthquake Hazard modeling and analysis
195. Dr. Neil J. McCarthy, Financial Consultant at N J Mc Carthy & Assoc, PhD in Organic Chemistry Cornell University
196. Craig McCluskey PhD, Physics
197. Richard McFarland, Retired NASA Physicist
198. Sean McGrew, Analytical Chemist, lifetime career in Chromatography/Mass Spectrometry, applications to semi-volatile organic compounds in the environment
199. Edward P. McMahon PhD in Systems Science, has been involved with atmospheric physics at General Research
200. Mark Meier PhD, Professor of Physics, University of Houston
201. Samuel Melfi, Emeritus Professor of Physics, UMBC, Retired NASA Scientist
202. Kenneth Melvin MD, Retired Professor of Medicine, Portland, Oregon
203. 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
204. 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
205. Patrick J. Michaels †, Competitive Enterprise Institute, Washington DC
206. Michelle Michot Foss PhD, fellow in energy, minerals and materials at Rice University's Baker Institute
207. Steven Milloy, MHS, JD, LLM, Publisher
208. Ference M. Miskolczi, Retired NASA/AS&M Senior Scientist, Foreign Associate Member of the Hungarian Academy of Sciences
209. Michael J. Mitchell, Mechanical Engineer
210. Guy K. Mitchell Jr., graduate mechanical engineer and physicist with extensive research in the field of anthropogenic global warming
211. Brian Moody, Former GET Specialist for SMS Equipment in Ft McMurray
212. James Moore, Commercial Fisherman, President Alaska Trawlers Association, Executive Committee Northern Southeast Regional Aquaculture Association, Board member Amstrong Keta Inc.
213. James R. Morris, Geophysical Exploration Oil & Natural Gas
214. 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
215. David R. Motes, Chemical Engineer, lifelong experience in the geo-energy industry
216. James F. Mundy, Retired Meteorologist
217. Daniel W. Nebert, Professor Emeritus, Department of Environmental Medicine and Center for Environmental Genetics, University of Cincinnati
218. Prof. Eric L. Nelson PhD, Assistant Clinical Professor, Department of Public Health Sciences, University of California
219. Danny L. Newton, Retired from Federal Aviation Administration (FAA), Experience in Working with NOAA with respect to Experimental Weather Data Collection
220. Richard Nicholson, MD University Of South Alabama 1988, Family Medicine
221. Ned Nikolov PhD, Physical Scientist at the USFS Rocky Mountain Research Station in Fort Collins CO, Managing a Fire-Weather Intelligence Project
222. Paul Noel, Research Scientist (retired)



223. Thomas O'Connor, Member American Association of Petroleum Geologists, Washington
224. Kenton Oma, Retired PE Chemical Engineer, Environmental Engineering, Environmental Consultant, R&D at DOE Nuclear Facility
225. Jane M. Orient, President of Doctors for Disaster Preparedness
226. Tench C. Page, MSc & BSc in Geology including study of causes and effects of earth's climatic history
227. Charlie Pappis, retired Semiconductor Industry Executive
228. Trueman D. Parish, Retired Director of Engineering Research Eastman Chemical Company
229. Arvid Pasto PhD, Ceramics, Retired from the Oak Ridge National Laboratory, TN
230. Chad M. Paton PhD, Associate Professor at University of Georgia
231. 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
232. Charles W. Pennington, Senior Vice President of Engineering NAC International (Retired), Secretary, XLNT Foundation, Board of Directors
233. 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
234. Dr. Robert B. Phillips, retired from radio astrophysics, specialised in calibration and validation of orbital IR and visible sensors (GOESS, STSS-1 and -2)
235. James Richard Poirier, BS degree in Meteorology, Lifetime Career in Atmospheric Science
236. James M. Policelli, Registered Professional Engineer
237. Herman A. Pope, Retired Aerospace Engineer NASA-JSC
238. Willem Post, Independent Researcher regarding Energy and Environment
239. Darrell Potter, Retired Geologist/Environmental Hydrogeologist
240. 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
241. Dr. Victor Privalsky PhD, ScD in physics and mathematics, UT Oceanographer and specialised in random processes, retired from Space Dynamics Laboratory, Logan
242. Kenneth L. Purdy, Management Consultant, Retired Naval Officer in Operational Intelligence
243. Brian D. Ray PhD in science education from Oregon State University, Salem
244. 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
245. Edward A. Reid, lifetime experience in the US energy industry in technical research and development, market development, marketing and consulting
246. Fred A. Reitman, career as petrochemical toxicologist, retired
247. Forrest J. Remick, Commissioner (Retired), US Nuclear Regulatory Commission
248. David K. Rogers, PE, CEG MS, Geological Engineering, Member of the Boards of Consultants for the Federal Energy Regulatory Commission
249. Dr. Jennifer Runquist PhD from Northwestern Univ, Evanston IL related to photosynthesis
250. Marius Russo, IT expert
251. James H. Rust, Emeritus Professor of Nuclear Engineering, Georgia Institute of Technology
252. Charles L. Sanders, Retired Radiobiologist, Author of Radiobiology and Radiation Hormesis: New Evidence and Its Implications for Medicine and Society (Springer)
253. Rick Sanders M.A., Scientists for Accuracy in Radiation Information (SARI), Associate Editor, 21st Century Science and Technology Magazine
254. Kent Satterlee, Executive Director at Gulf Offshore Research Institute (GORI)
255. Dana H. Saylor Sr., a lifelong agriculturalist, retired, article "Living a lifetime of climate change"
256. Jesse Schilling, Certified Management Accountant
257. Mike Schimmelpfennig, Degreed Mining Engineer with more than 40 years of experience

258. Brian Schmidt, Co-Founder and Chief Visionary Officer of Primary Ocean Aquaculture division and Primary Bio Agriculture - Agriculture division
259. Harold Grant Scoggins, retired IT professional
260. Edwin T. Sewall, Retired BS Electrical Engineering, Southern Methodist University 1960 Dallas Texas
261. Mark W. Sellers, PhD Systems Science, Modeling and Analysis of Complex Systems
262. 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)
263. Roscoe M. Shaw, meteorologist and portfolio manager
264. Dr. Thomas P. Sheahan, PhD in Physics at MIT, Chairman, Science & Environmental Policy Project, involved in energy-related research for 45 years
265. Dr. Roger Sheley, Ecologist, USDA-Agricultural Research Service; Editor-in-Chief of the international journal-Rangeland Ecology and Management
266. John D. Sheppard MD, MMSc, FACS, Professor of Ophthalmology, Microbiology & Immunology, Eastern Virginia Medical School
267. John Shewchuk, Meteorologist (CCM) and Atmospheric Researcher
268. Stephen W. Shipman, Institutional Investor
269. Ryan Shrout, Environmental Attorney with a Masters of Law in Environmental Law practicing in the air emissions field
270. Dr. Matthew Eric Shultz, University of Delaware, Dept. of Physics & Astronomy, specialised in Stellar Astrophysics, Annie Jump Cannon Fellow
- 271. David Siegel, author, entrepreneur, critical thinker, communicator (1000th signee)**
272. Elliot Smith, airline pilot, climate realist, 30+ years of studying AGW data
273. Robert J. Smith, Bachelor of Physics, Aircraft test and evaluation engineer
274. Robert P. Smith PhD, P.E., Environmental Scientist and Professional Engineer'
275. 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
276. Willie Soon, Independent Scientist
277. Prof. George Sowers PhD, Space Resources, Colorado School of Mines
278. Prof. Rick Bernard Spielman, Senior Scientist & Professor of Physics, University of Rochester, Laboratory for Laser Energetics
279. Robert M. St. Louis MSc in geology, owner of Mine Water Consulting LLC
280. Kirk Douglas Stahnke, MS Educ. Prof of Design Tech (Retired), Independent Climate Researcher
281. Walter Starck PhD, Marine Science, Pioneer in Coral Reef Studies, Policy Advisor to The Heartland Institute
282. Jess L. Stark, Founder and CEO of Stark Industries, Houston, Texas
283. Jim Steele, Emeritus Director Sierra Nevada Field Campus, San Francisco State University
284. Phil Stegemoeller, Professional Forester, Partnership with the Quinault Indian Nation, a BS in forest management at the University of Minnesota, 1979
285. Ronald Stein, Professional Engineer
286. Kenneth S. Stevens PhD, Professor, University of Utah, Electrical and Computer Engineering Dept
287. Brent K. Stewart PhD, Professor Emeritus, Radiology, University of Washington School of Medicine
288. Gerald M. Sulzer, MS Chemical Engineer, Retired Director of Technology, Albemarle Corporation
289. Soames Summerhays, Marine Biologist, Film Maker
290. Dr. Daniel P. Taggart PhD in Experimental Plasma Physics, life time career in Controlled Thermonuclear Research and Radiation Protection at Los Alamos National Laboratory
291. Tomer D. Tamarkin, Physicist, Founder and President/CEO of Energycite Inc., President and Chairman of ClimateCite Inc.
292. Paul Taylor, Energy Economist, Recipient Rossitor Raymond Award, Golden Colorado
293. Bradley Thomas, M.A. Air Pollution Meteorology
294. David E. Thompson, Professor Emeritus Mechanical Engineering and Computer Science, Dean Emeritus College of Engineering, University of Idaho
295. Francis Thompson, Space Vehicle Engineer, Masters in General Relativity

296. Roane Thorpe, BSME California Polytechnic, MBA University of California, lifetime career in global energy projects
297. Gordon Tomb, Energy and climate writer, communications consultant, primary editor of Inconvenient Facts and Senior Advisor for the CO2 Coalition
298. Cecil Joe Tomlinson, Retired Boeing Senior Principle Engineer
299. Frank Trask, BS Degree in Mechanical Engineering, University of Maine
300. Kip Trout, Lecturer in Physics, The Pennsylvania State University – York Campus
301. Karl Michael Frederick Truitt, BSEE, IEEE, US Veteran, 6 US Patents, Climate Data Researcher, Host of the The Climate Change Hoax Podcast
302. Richard Trzupek, Chemist and Air Quality Expert
303. Mark Twaalfhoven, Executive CEO Technology Companies
304. Arthur Viterito PhD, Physical Geography, Policy Adviser to the Heartland Institute
305. Dariusz Vogelsinger, Psychologist
306. Whitson G. Waldo, Scientist and Engineer with MS Chemical Engineering from Clemson Univ, lifetime career in the semiconductor industry, owner of 13 awarded patents
307. William B. Walters, Guggenheim Fellow, Professor of Atmospheric, Nuclear and Environmental Chemistry, University of Maryland
308. James Wanliss, Professor of Physics, Presbyterian College
309. Steven E. Weismantel, Retired Engineer and Climate Researcher
310. Isaac William Wells, Lawyer in International Law and Foreign Affairs
311. Dr. Steven C. Wendelken, EPA, OGWDW/TSC, climate realist
312. Gary S. Westerman PhD, physical geography with specializations in climate science and remote sensing
313. Stephen H Westing PhD, Director Medical Affairs, Regeneron Pharmaceuticals, Inc.
314. Jim Whiting, MD from McGill U, Montreal, Fellow of the American College of Radiology
315. Chuck F. Wiese, Professional Meteorologist
316. Dr Matthew Wielicki PhD in Geochemistry from UCLA, Assistant Professor of Geological Sciences at the University of Alabama
317. David Wojick, Cognitive Scientist
318. Dr. Calvin M. Wolff, Adjunct Professor University of Houston at Clear Lake, Expertise in Energy Management
319. Gregory R. Wrightstone, Expert Reviewer IPCC, Geologist, Author, Member CO<sub>2</sub> Coalition
320. Dan Youra, publisher Youra media, creator and editor of Carbon Tax News
321. Bob Zybach, Program Manager, Oregon Websites and Watersheds Project Inc.



## SCIENTISTS AND PROFESSIONALS FROM VIETNAM

1. Dr. Thi Thuy Van Dinh, PhD in environmental law, University of Limoges, former official of the UN Secretariat, former Environment and Health Lead at Intellectual Ventures Global Good Fund, Bellevue, Washington, USA



*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 ([www.lsof.nl](http://www.lsof.nl))*



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