

World Climate Declaration

# THERE IS NO CLIMATE EMERGENCY

**1841 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  
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PROFESSOR SEOK SOON PARK / SOUTH KOREA  
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STAVROS ALEXANDRIS / GREECE  
FERDINAND MEEUS / DUTCH SPEAKING BELGIUM  
PROFESSOR RICHARD LINDZEN / USA  
HENRI A. MASSON / FRENCH SPEAKING BELGIUM  
PROFESSOR INGEMAR NORDIN / SWEDEN  
JIM O'BRIEN / REPUBLIC OF IRELAND  
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DOUGLAS POLLOCK / CHILE  
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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

## 1841



### SCIENTISTS AND PROFESSIONALS FROM ARGENTINA

1. Mauro Borsella, Environmental Consultant & Auditor
2. Dr. Aldo Brandani, Coastal Specialist and Environmental Scientist
3. Rosa Compagnucci, PhD in Meteorological Sciences, Climate Researcher, Full-time Professor at the University of Buenos Aires and Principal Researcher at CONICET



### 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. Tony Burns, PhD in Chemical Engineering
27. Charles Camenzuli, Structural Engineer specializing in Remedial Work, Catcam Group, Sydney
28. Ray Carman, Organic Chemist, Honorary Fellow University of Queensland
29. Peter Champness, Radiologist
30. Andrew E. Chapman, Expert on Rainfall and Flood Events
31. Michael F. Clancy, Retired Civil Engineer, Brisbane

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

71. 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
72. Jarvis Hayman, Retired Surgeon, Recently retired Archaeologist and Visiting Fellow at the Australian National University
73. Mark Henschke, Retired Geologist in Mining, Oil and Gas
74. Stewart Hespe, Consulting Civil and Forensic Engineer, Critic of Government Policy on Climate Related Matters
75. Gerhard Hofmann, Geologist and Palaeontologist, Former Director of the Geological Survey of Queensland
76. Robert Ian Holmes PhD in Climate Science/Mitigation, University Lecturer (retired) and Climate Scientist
77. Selwyn Hopley, MSSSI, Retired Land and Engineering Surveyor
78. Antonia Howarth-Wass, Mathematician
79. Geraint Hughes, Climate Researcher, Mechanical Building Engineer, Climate Researcher
80. Douglas Hutchison BSc and MSc degrees in geology, consulting geologist in the mining industry, member of the Australian Institute of Geoscientists
81. David Hyde MEnvSt, Environmental Biology, Former Scientific Chairman of Australian Underwater Federation (NSW)
82. Paul Ingram, Qualified Geologist, Member of the Australian Institute of Mining and Metallurgy, studying Palaeoanthropology and Human Evolution
83. Mr. Anthony Jackson, Bachelor of Arts degree, Bachelor of Laws degree, retired
84. Ian Johnson, Bachelor of Engineering, consultant
85. Mike Jonas, IT consultant, retired, frequent contributor to Watts Up With That?
86. Prof. Aynsley Kellow, Professor emeritus of Government, College of Arts, Law and Education, University of Tasmania
87. Alison Kelsey PhD, Palaeoclimatologist and Archaeologist University of Queensland
88. Kevin Kemmis, Climate Researcher, Expert in Information Technology
89. Neil Killion, MA in Psychology, active in the climate debate, member of the Saltbush club
90. Bill Kininmonth BSc (UWA), MSc (CSU), M. Admin. (Monash), Former Superintendent of the Bureau of Meteorology National Climate Center
91. David Knox, IT professional, bachelors in business (Uni of South Australia) and a Masters degree in business administration (Charles Sturt University)
92. Rosemarie Kryger PhD, Biochemistry, Retired, University of Queensland, Brisbane
93. Hugh H. Laird, Retired Tropical Agriculture Executive
94. John Leisten OBE, Expert in Physical Chemistry
95. Brian Levitan, Worked for NASA, now Technology Consultant to Multinationals
96. Ian Levy, CEO Australian Bauxite Ltd.
97. Matthew David Linn, Fellow of the Institution of Engineers of Australia
98. Ian Longley, Geologist, BSc (Hons) Petroleum Geologist, Fellow of the Geological Society
99. Kevin A. Loughrey, LtCol(Ret'd) BAppSc, BE Mech(hons), psc, jssc, Grad Dip Strategic Studies
100. David Z. Lubowski, Conjoint Professor in Surgery, University of New South Wales
101. Finlay MacRitchie, Professor Emeritus in the Department of Grain Science and Industry at Kansas State University USA
102. John Ross May BSc, Adip, Cres., Management of Forests and National Parks in Victoria
103. Sandy McClintock, BA(Science)TCD, MSc, PhD, Lifetime experience in modeling and data analysis, in retirement, 20 years of interest in climate data analysis
104. Gerard McGann, Technical Director Eon NRG
105. Jim McGregor-Dawson, Geologist and informed scientist on the subject of Climate Science
106. Rodney McKellar, Retired Geologist, Queensland
107. John McLean, Author of First Major Review of HadCRUT 4 Climate Temperature Data, Member of New Zealand Climate Science Coalition
108. Toby McLeay, General Medical Practitioner AM, MBBS, FRACGP, FACRRM
109. Ross McLeod, Retired Environmental Health Officer
110. Peter R. Meadows, Agricultural Scientist
111. Paul Messenger PhD, Earth Science
112. John Michelmore, Retired Industrial Chemist



113. Des Moore, Former Deputy Secretary of the Federal Treasury, Founder and Leader of the Institute for Private Enterprise
114. 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"
115. Hugh Morgan, Prominent Australian Mining Executive, Fellow of the Australian Academy of Technology, Science and Engineering (FTSE)
116. Peter Murphy PhD, Adjunct Professor, Social Sciences, La Trobe University (Melbourne) and the Cairns Institute, James Cook University
117. 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
118. John Nicol PhD, Retired Senior Lecturer Physics and one time Dean of Science, James Cook University, North Queensland
119. 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
120. Paul John O'Keefe, MB, BS, FRCS, FRACS, Retired Surgeon
121. David Parsons B.E Mech. FIE Aust CPEng NER, Principal Design Engineer, specialised in boiler design and gas radiation analysis
122. M. Louise Petrick MSc Applied Science, Materials and Welding Engineer
123. Suzana Podreka, Environmental Scientist
124. Alistair Pope PSc, CM, Sceptical Scientific Contrarian in the Climate Debate
125. Robert Pyper, Geologist and Director of Minnelex Pty Ltd.
126. Tom Quirk, Nuclear Physicist
127. Art Raiche PhD, Mathematical Geophysics, Retired CSIRO Chief Research Scientist
128. Campbell Rankine, Barrister and Solicitor
129. Peter Ridd, Oceanographer and Geophysicist
130. Tim Riley, Mining Geologist
131. John Cameron Robertson, Author of CO2 Feeds the World and The Climate Change Delusion
132. Philip Lance Robinson, Chemical Engineer, lifetime experience in the aluminium and steel industry
133. Nigel Rowlands, Retired from Mining and Exploration Industry
134. George (Rob) Ryan, Professional Geologist
135. Judy Ryan, Editor Principia Scientific Institution Australia
136. Tony Schreck, Managing Director, 35 yrs experienced geologist, Member of the Australian Institute of Geoscientists, Member of the Australian Institute of Company Directors
137. Pasquale Seizis, Mechanical Engineer, climate critic
138. Jim Simpson, Retired from Managing Positions in different International Telecommunications Firms, nowadays Convenor of "The Climate Realists of Five Dock", Sydney Australia."
139. Case Smit, Physicist, Expert in Environmental Protection, Co-Founder of the Galileo Movement
140. Edward Smith, Chartered Chemist, member of the Royal Australian Institute of Chemistry (RACI), lifetime of experience in the Pharmaceutical industry
141. Lee Smith, University Lecturer in Spatial Technology, Responsible for State Government Precise Monitoring of Sea Level and International Sea Boundaries
142. Peter Smith, Geologist (Retired), New South Wales
143. Mark Sonter, MSc(Hons)(Physics - Space Resources), Consultant & Principal, Asteriod Enterprises Pty Ltd at Asteroid Enterprise
144. Libor Spacek, PhD in Computer Science, Modelling & AI
145. Darren Speirs, Independent Business Owner, Rangeland NRM Consultants
146. Geoffrey Stocker, Professor and Head of Department of Forestry, PNG University of Technology, Director of PNG Forest Research Institute
147. 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
148. Dr. Nancy Enid Stone, B.Sc (Hons), University of Western Australia. (1950), Ph.D Cantab. (1956), Retired Research Biochemist

149. Rodney R. Stuart, Retired Expert in Energy Industry, Tasmania
150. Roger Symons, Professional Engineer, Expert in Temperature Control of Industrial Buildings
151. James Taylor, Electrical Aerospace and Astrophysics Engineer, Computer Modelling Researcher
152. Rustyn Wesley Thomas, Retired Aircraft Engineer
153. Tony Thomas MA, BEc, journalist and author for more than 60 years
154. Baki M. Top, Senior Agricultural Scientist, Freelance Consultant Agricultural and Food Production & Agribusiness
155. John W. Turner, Science Educator, Noosa Heads
156. Ralph J. Tyler, Retired Senior Principal Research Chemist, CSIRO, expert in conversion of coal and natural gas to liquid fuel
157. Peter Tyrer, Project Controls Engineer in Mining Industry
158. Dr. Julian Vearncombe PhD, Geologist, Fellow Australian Institute of Geoscientists
159. Terrence Vincent, Security Engineer, Small Business Adviser AIST, ASIAL, SMBE
160. John Vucko, Bachelor of Electrical Engineering (Hons)
161. James Walter, Medical Doctor
162. John Warnock, Astro Economist
163. Chris Warren, Retired Engineer, Design and Construction of Dams and feasibility of Coal Mines
164. Alan C. Watts, Medical Practitioner specialized in Effects of Infrasound on Human Health
165. Colleen J. Watts, Retired Environmental Scientist with specialization in Aquatic Chemistry and Environmental Consequences of Renewable Energy
166. Glyn Weatherall, Energy Resources Advisor
167. Neil Wilkins, Retired Geologist
168. Richard Willoughby, retired electrical engineer with thirty years experience in the Australian mining and mineral processing industry
169. Lawrence A. Wilson, Professional Chemical Engineer, Melbourne
170. Michael Wilson PhD, DSc, Emeritus Professor, former Executive Dean UWS, Former Chief Research Scientists CSIRO, Low Emissions Transport Fuels Leader
171. P.C. Wilson, Former Journalist with the A.B.C. Queensland
172. 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
173. 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. Thomas Szekeres, MD, PhD, Associate Professor at Medical University of Vienna, President of Vienna Medical Association
7. 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



## 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. Jan-Paul Buijs, Biologist, Computer scientist and experienced business consultant and change manager, director of two NGOs around awareness for, and protection and restauration of fragile ecosystems
8. 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
9. Rudi Creemers, Eur. Ing. MSc Electronics-ICT, Network engineer/manager
10. Benjamin Damien, Docteur en Biologie et Entrepreneur en Biotechnologie
11. Ferdinand Engelbeen, Former Chemical Process Automation Engineer, Akzo Nobel Chemicals
12. Samuel Furfari, Professor of Energy Geopolitics at the Free University of Brussels
13. Georges Geuskens, Emeritus Professor of Chemistry, Free University of Brussels and Expert Publicist on Climate Science
14. Drieu Godefridi PhD, Law, Author of several books
15. Jan Goffa, Civil Engineer Applied Mechanics, Retired lecturer in thermo- and aerodynamics
16. Dr. Volkmar Hierner, degree in business administration and economy, retired coach of companies in increasing the effectiveness of their organization
17. Jan Jacobs, Science Journalist specializing in Climate and Energy Transition
18. Guy Janssen MSc Applied Sciences (civil engineer electromechanics), MSc Nuclear Engineering, Reactor Sciences, experienced conventional electric power expert
19. Raymond Koch, Retired Research Director at Lab. Plasma Physics, RMA Brussels and Fellow Lecturer at Umons
20. Rob Lemeire, Publicist on Environmental and Climate Issues
21. Jean Meeus, Retired Meteorologist, Brussels Airport, Author of the Best Seller Astronomical Algorithms
22. Ernest Mund, Honorary Research Scientist, Honorary Research Director, FNRS, Nuclear Engineering
23. Bart Ooghe, Geologist & Geophysicist, Independent Scientist
24. Luc Opdecamp, "The agronomist-philosopher" (independent researcher), Agronomist (Soil science)
25. Jaak Peeters, Psychologist and Writer
26. Eric Perpète, Microcomputed Tomography Scientist, FNRS Senior Research Associate in Chemical Physics
27. Michel Pollyn, MSc in Energy Science, Retired engineer. Lifetime career in industrial process water treatment and energy projects
28. Dr. Hugo Poppe, Emeritus hoogleraar, Weer- en Klimaatkunde, KU-Leuven, 1966-2002
29. Alain R. Pr eat PhD in Geology, Emeritus Professor at Universit e Libre de Bruxelles
30. Phil Salmon, Computer Tomography Scientist, Kontich
31. Jozef Verhulst PhD, Chemistry, Author
32. Jean van Vliet, Retired Specialist in Space Weather
33. Dr. Marc Wathelet, PhD in Molecular Biology, Free University of Brussels
34. Appo van der Wiel, Senior Development Engineer



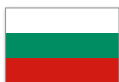
## SCIENTISTS AND PROFESSIONALS FROM BOLIVIA

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 Antarctic, First scientific diver for Brazil from CMAS
4. Mario de Carvalho Fontes Neto, Agronomist, Editor of 'The Great Global Warming Swindle'
5. José 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. Peter Andreadis, Satellite Systems Engineer
6. Dr. Grant Armstrong, Leadership development and coaching
7. Russ Babcock, retired biochemist, lifetime experience in the mining and smelting industry with emphasis on pollution abatement
8. Tim Ball †, Emeritus Professor Geography, University of Winnipeg and Advisor of the International Science Coalition
9. Ron Barmby M.Eng in Engineering with major in Geoscience, Author of 'Sunlight in Climate Change: A Heretic's Guide to Global Climate Hysteria
10. Timothy J. Barrett PhD, Geochemical Researcher, Ore Systems Consulting
11. Callum Beck PhD in Religious Studies, Sessional Professor in Religious and University Studies
12. Mario Blais, Science and Mathematics Teacher
13. 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
14. Robert Douglas Bebb, Professional Engineer (Mechanical), MBA
15. Rick Beingessner, BSc, BA and LLB University of Alberta, lifetime experience in the Geo-Energy Industry, recently involved in researching Climate Change Matters
16. Jean Du Berger, Ingénieur Retraité, Bell
17. Alain Bonnier PhD, Physique, INRS-Centre de Recherche en Énergie, Montréal
18. Andrew Bonvicini, Professional Geophysicist, President of Friends of Science Society
19. 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
20. Chris Carr, BSc (Hons) Engineering Geology and Geotechnics, retired Geoscientist
21. Michel Chapdelaine MSc, Géologie, Montréal
22. Michel Chossudovsky, PhD of Economics, Professor of Economics, Emeritus, University of Ottawa
23. Henry Clark, Thermal/Power Engineer
24. Ian Clark, Professor of Earth and Environmental Sciences, University of Ottawa
25. Edmond (Ted) Clarke MSc, Engineering, Member of Friends on Science Society
26. Paulo N. Correa, Biophysicist and Oncologist, Inventor, Author of numerous books and research papers, Director of Research at Aurora Biophysics Research Institute
27. Hortense Côté, Ingénieur Géologue, Goldminds
28. Susan Crockford, Zoologist and Polar Bear Expert, Former Adjunct Professor University of Victoria
29. Norman Curry, Technical College, Design Engineering-Mechanical Engineering, President of National Zephyr Research
30. Charles Danten, former veterinarian, scientific translator, author and free-lance journalist
31. John Bruce Davies, BSc Pysics and Mathematics, MSc Geoscience, PhD Geophysics and Astrophysics, awards for research on cosmology and fundamental physics
32. Ronald Davison, Professional Chemical Engineer
33. Dr. E. David Day BSc, PhD, Chemistry
34. A.E. (Ted) Dixon PhD, Emeritus Professor of Physics, University of Waterloo
35. Eric Ducharme MSc, Géologie, Abitibi
36. Michel Dumais, Ingénieur Civil Retraité, Université d'Ottawa
37. Dr. George Duncan PhD, retired Environmental Consultant from A&A Environmental Consultants Inc.
38. Claude Duplessis BcSc, Géologie, Ingénieur Géologue, Goldminds
39. Craig A. Elliott MSc Mechanical Engineering, Design Consultant, President at CAElliott Inc
40. Ashton Embry, Research Geologist, Embry Holdings
41. Dr. Christopher Essex, Emeritus Professor of Mathematics and Emeritus Professor of Physics, University of Western Ontario
42. David Fermor, Anaesthesiologist, B.A., M.D., FRCPC
43. Jeffrey Foss †, Professor of Philosophy of Science, University of Victoria
44. Joseph Fournier PhD, Expert in Physical Chemistry
45. Paul M. Gagnon, Professional Engineer
46. George H. Gale, PhD Geology, Mineral Deposit Geoscience

47. 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>
48. J. Claude Gobeil BSc, Geology
49. Douglas Goodman, Life of time experience in the geo-energy industry
50. Kenneth B. Gregory, Professional Engineer, Director Friends of Science Society
51. Jean-Francois Guay, PhD in Environmental Science and Decision System, Regional Planner and Associate Professor
52. Dr. Paul Hamblin, Retired Research Scientist Environment Canada, Advisor to the Georgian Bay Association
53. John Hastie MSc Soil Physics, Reclamation and Soil Scientist
54. Mark T. Hohm, Professional Engineer registered with the Association of Professional Engineers and Geoscientists of Alberta (APEGA)
55. R.G. Holtby, professional agrologist
56. 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)
57. 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
58. 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
59. Paul A. Johnston, Associate Professor, Paleontology, Paleocology, Department of Earth and Environmental Sciences, Mount Royal University, Calgary, Alberta
60. Richard T. Jones, experimental physicist, researched in the field of fission energy
61. E. Craig Jowett, Geologist and Environmental Researcher PhD University of Toronto
62. Andre Julien, MSc Mechanical Engineering, Thermodynamics Expert, over 40 patents published
63. Klaus L.E. Kaiser, Retired Research Scientist, National Water Research Institute, Author of Numerous Press Articles
64. Bogdan Kasprzak, Professional Geoscientist, life time experience in data modelling, data analysing and data interpretation
65. Madhav Khandekar, Expert Reviewer IPCC 2007 AR4 Report
66. David Koop BSc, Analytical Chemist
67. Kees van Kooten, Professor of Economics and Canada Research Chair in Environmental Studies and Climate, University of Victoria
68. 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
69. Jean Laberge, Professeur Retraité de Philosophie, CEGEP du Vieux Montréal
70. Sherri Lange, CEO North American Platform Against Wind Power, Great Lakes Wind Truth
71. M.J. Lavigne MSc, Professional Geologist
72. Douglas Leahey PhD, Meteorology, past President of Friends of Science
73. Professor Denis Leahy, PhD in Astrophysics, Full Professor in the Department of Physics and Astronomy, University of Calgary
74. Catherine Lebrun, PhD, Management, HEC Montreal
75. Robert Ledoux PhD, Professeur Retraité en Géologie, Université Laval
76. Dick Leppky, Retired businessman and Independent Truth Seeker
77. 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
78. H. Douglas Lightfoot, Research Engineer in the Chemical Industry, Co-Founder of the Lightfoot Institute, papers on Alternative Energy and Atmospheric CO2
79. Gerald Machnee, Retired Meteorologist, Environment Canada
80. Allan M.R. MacRae, Retired Engineer
81. Paul MacRae, Independent Climate Researcher
82. Michael Martinz, Radio Podcast Host, Climate Realist, Activist, former Industrial Consulting Forester
83. J. David Mason, Applied Geologist, B.A.Sc, Applied Geology, M.Eng, Mining
84. Stuart McDonald, Retired Canadian Insurance Broker

85. 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
86. Norman Miller, Former P.Eng, now Retired
87. Ron Mills, Geologist/geochemist Emeritus NS Geological Survey
88. Randall S. Morley, veterinary epidemiologist, retired
89. Dr. Thomas F. Moslow PhD, P. Geol., President Moslow Geoscience Consulting Ltd., Adjunct Professor Department of Geoscience, University of Calgary
90. Roland Moutal, Teacher Physics and Chemistry at Vancouver Community College
91. 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
92. Dr. Eiichiro Ochiai, Emeritus Professor, Juniata College (USA)
93. Christian Olivier, former Postdoc @ UC Berkeley
94. Robert Orr, Historical Linguist
95. Scott Patterson, Professional Geologist
96. Andy Pattullo, Associate Professor of Medicine at the University of Calgary
97. Steven Pearce PhD, Lecturer
98. Prof. David A. Penny PhD, Former Associate Professor, Dept. of Computer Science, University of Toronto, veteran Software Industry Executive
99. Gregory (Rick) Phillips, Retired Agrifood Industry Professional, with research background in biology, economics and policy formulation
100. Jozinus Ploeg, retired Vice-President, Engineering and Technology, National Research Council, Field of expertise Energy transfer from atmosphere to surface of ocean, wave mechanics
101. Joe Postma, Research Analyst, Physics & Astronomy, University of Calgary
102. Brian R. Pratt, Professor of Geological Sciences, University of Saskatchewan
103. Michael Priaro, BSc Chem.Eng, P.Eng, Member of Association of Professional Engineers and Geoscientists of Alberta
104. Gerald Ratzer, Professor Emeritus, Computer Science McGill University, Montreal
105. John Angus Raw, aerospace engineer, specialised in aerodynamics, life time career in the international aerospace industry
106. Dr. Michael Raw PhD in Mechanical Engineering, specialization in computer modelling of fluid flow and heat transfer; current field of work in technology management
107. Robert James Reid, BSF degree, Registered Professional Forester, lifetime experience in the forestry industry
108. Norman Reilly, Professor Emeritus of Mathematics, Simon Fraser University, British Columbia
109. Gérald Riverin PhD, Géologie, Géologue Retraité
110. John Robson, Historian, Journalist, Documentary Filmmaker
111. Peter Salenius, Retired Research Scientist, Natural Resources
112. Marcelo C. Santos, Professor of Geodesy, University of New Brunswick
113. Paul R. Schmidt BSc, Professional Engineer Ontario, Research Scientist, Author/ Lecturer 'Review & Analysis of Climate Change', Member Friends of Science
114. Ian de W. Semple, Retired Exploration Geologist and Mining Investment Analyst of McGill University
115. Afshin Shahzamani, Retired professional (Medical Science Liaison) pharmaceutical industry
116. Élie Shama, Ingénieur Retraité en Électromécanique, Président d'Éconoden, Montréal
117. Wayne Shepheard MSc Geology, Retired oil and gas explorer
118. H.F. (Gus) Shurvell, Emeritus Professor of Chemistry, Queen's University
119. Brian Slack, Distinguished Professor Emeritus, Concordia University Montreal, Department of Geography, Planning and Environment
120. Aize Smit, MSc Climatology on Global Warming, retired high school science and A.P. environmental science teacher
121. Nigel Southway, Business and Manufacturing Engineering Consultant, Educator, and Author
122. Rodolfo (Rudy) Spatzner, graduated from Environmental/Civil Engineering Technology, Humber College, Ontario, lifetime experience in wireless networks across North America
123. Robert Sproule, PhD, Professor of Economics, Bishop's University, Quebec

124. Michelle Stirling, Writer/Researcher with focus on ‘consensus’ social proofs, Top 10% downloaded author on SSRN, Communications Manager, Friends of Science Society
125. Mary Taitt PhD Zoology, MSc Ecology, retired
126. Mario Thomas, B.Sc., Ph.D. Chemistry, CEO and Chairman of Precision Biomonitoring Inc.
127. Graydon Tranquilla, BScEE, Electrical Power, Senior Electrical Engineer (retired), now an energy advisory consultant
128. Dr. V. Ismet Ugursal, Professor of Mechanical Engineering, Dalhousie University
129. Marc Vallée PhD, Geophysicien
130. Petr Vaníček Dr. Sc, Professor Emeritus of Geodesy, University of New Brunswick
131. Duncan Veasey, psychiatrist with a particular interest in mass hysteria, authoritarianism and social compliance
132. 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
133. Jean-Joel Vonarburg PhD, Professeur Ingénieur, Université du Québec à Chicoutimi
134. Dr. Ronald Voss PhD Chemistry, lifetime career in the environment department of a research consortium
135. Robert Wager, BSc and MSc, Microbiological Sciences and Immunology, Biochemistry and Molecular Biology, Retired
136. Dr. Helen Warn PhD in Fluid Dynamics from McGill University
137. Dr. Thorpe W. Watson, material science, lifetime career in the mining industry with focus on intellectual property protection
138. Larry Weiers, energy engineer, retired, author of “Sustainability of the Modern Human Economy”
139. William van Wijngaarden, Professor of Physics, York University
140. Ken Wilson, Professional Engineer (retired)
141. Daryl Youck, MSc, PEng, Oil Sands Pioneer



#### 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. Guang Bao Liu, BSc and MSc in Atmospheric Physics, Author of “The Principle of Periodic Changes in Earth’s Climate”
3. 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
4. NG Young, Principal Geoscientist, Danxiashan Global Geopark of China



#### SCIENTISTS AND PROFESSIONALS FROM COLOMBIA

1. William A. Lozano-Rivas, full Professor of Water Management, Water Engineering, Climate and Meteorology, Simulation and Modeling; Piloto de Colombia University



#### 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. Ladislav Bocak, PhD, Professor of Entomology, Czech Advanced Technology and Research Institute
2. Pavel Dudr, Ing, Independent publicist and climatologist / Pravy prostor, EP Shark/
3. Marek Eiderna, Agricultural Engineer and graduated in General Biology
4. Tomas Furst PhD, teacher of mathematics at Palacky University in Olomouc and a proponent of correct, i.e. Bayesian inference
5. Vaclav Hubiner, Retired Ambassador, Anthropologist, Climate Policy Commentator for [www.forum24.cz](http://www.forum24.cz)
6. Pavel Kalenda PhD, CSc., Coal Expert
7. Václav Klaus, Former President of the Czech Republic, Professor of Economics, Founder of the Václav Klaus Institute
8. Lubos Motl PhD, former Harvard faculty, high energy theoretical physicist, co-author of the 2009 NIPCC report
9. Milan Salek, PhD, Freelance Meteorologist and Consultant
10. Ivan Spicka, Professor of Internal Medicine at Charles University with speciality in Hemato-Oncology, Prague
11. Dalibor Štys, professor of Applied physics, Faculty of Fisheries and Protection of Waters, University of South Bohemia in České Budějovice
12. Gary M. Vasey PhD, Geology, Managing Partner and Analyst in Commodity Technology Advisory llc
13. 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. Claus Beyer, Geologist, gen.manager for CB-Magneto, possessing palaeomagnetic laboratory
4. Steffen Frederiksen, MSc Economics, Climate Economics, Cost benefit analysis of CO2
5. Dr. Hans Götzsche, Emeritus Associate Professor, Linguistics and Philosophy of Science, President Nordic Association of Linguists (NAL), Director, Center for Linguistics, Aalborg University
6. Frank Hansen, Emeritus Professor, Department of Mathematics, University of Copenhagen
7. Niels Harrit PhD, Emeritus Associate Professor of Chemistry, Dept. Chemistry, University of Copenhagen
8. Sören Kjærsgaard, Professional Chemical Engineer
9. Johannes Krüger, Emeritus Professor, Dr. Scient, Department of Geosciences and Natural Resource Management, University of Copenhagen
10. Knud Larsen PhD, Natural Sciences
11. Peter Loch, Senior Lecturer, Business Academy Aarhus (statistics)
12. Peter Kjær Poulsen, Metering Engineer
13. Steen Rasmussen Bsc in Electrical Engineering from Denmark Technical University, lifetime career at IBM Denmark Aps
14. Niels Schrøder, Geophysist/Geologist, Associate Professor Institute of Nature and Environment, Roskilde University
15. 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. Yacine Amara, PhD of Applied Physics, Professor of Electrical Engineering
6. Frédéric Antoine, graduated from Sciences Politiques in France
7. Charles Aubourg, Full Professor at the University of Pau, Geophysicist
8. Hervé Azoulay, Engineer (CNAM), Specialist of Networks and Systemics, CEO and President of several Associations
9. Guy Barbey, Alumnus of Harvard Business School, Retired Investment Banker, Founder and President of 'Climate et Vérité'
10. Jean-Pierre Bardinnet, Ingénieur ENSEM, Publicist on Climate Issues
11. Yorik Baunay, Geographer (Master 2) specialized in the natural risk and crisis management, CEO of Ubyrisk Consultants (firm specialized on natural hazard mitigation)
12. Bernard Beauzamy, University Professor (Ret.), Chairman and CEO, Société de Calcul Mathématique SA (Paris)
13. Serge Bellotto PhD, Geology
14. Guy Bensimon, Retired Associate Professor of Economics at Institute of Political Studies of Grenoble (SciencesPo Grenoble)
15. Jean-Claude Bernier, Emeritus Professor (University of Strasbourg), Former Director of the Institute of Chemistry of the CNRS
16. Pierre Beslu, Former Researcher and Head of Department in the French Nuclear Energy Commission (CEA)
17. Michel Bouillet PhD, Human Geography, Emeritus Professor, Former Associate Researcher at the MMSH (Aix-en-Provence)
18. Christian Buson PhD, Agronomy, Director of Research in a Company (impact studies in Environmental Issues, Sewage Treatment)
19. 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
20. Emmanuel Camhi MSc in Physics, life time experience in Complex Systems Modeling and Data Analysis in the Aerospace industry
21. Bernard Capai, Retired Chemistry Engineer, Specialist of Industrial Processes avoiding the use of Carcinogenic Solvents
22. Patrick de Casanove, Doctor of Medicine, Chairman of the Cercle Frédéric Bastiat
23. John Carr, PhD in Physics, Directeur de Recherche CNRS (retired), Particle Physics and Astroparticle Physics
24. Philippe Catier, Medical Doctor
25. Vincent Chaplot PhD Soil Science, Senior Research Scientist
26. Bruno Chaumontet, Engineer ENSEA, specialized in Feedback Systems
27. Pascal Chondroyannis, Forest Engineer, Retired Director of the National Alpine Botanical Conservatory (2008-2013)

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

63. Alexandre Krivitzky, Psychoanalyst, Member of the International Psychoanalytical Association
64. Roger Lainé, Retired Geological Engineer
65. Julien Lapichella, PhD in Chemistry
66. Philippe de Larminat, Professor at École Centrale de Nantes, specialist of Business Process Modeling
67. Jacques Laurentie, Aeronautical Engineer, and CEO of a software publishing company
68. René Laversanne, Researcher at the CNRS, 16 patents
69. Christian Liegeois PhD Physics, patent holder in photonics
70. Jean-Marie Longin, Engineer (Saint-Cyr), Chief of the Pole Operations of Security Inventory Management
71. Guy Lucazeau, Emeritus Professor (Institut Polytechnique de Grenoble) in Material Sciences and Spectroscopy
72. Philippe Malburet, Emeritus Associated Professor of Mathematics, Founder of the Planetarium of Aix-en-Provence, Member of the Academy of Aix-en-Provence
73. Christian Marchal, Astronomer and Mathematician, Former Research Director at the French National Office for Aerospace Studies and Research
74. Dr. Yves G. Maria-Sube PhD in Geosciences Montpellier University, lifetime career in the geo-energy industry
75. Paolo Martinengo, Applied Physicist, Senior Staff Member in the Experimental Physics Department, Detector Technologies Group, CERN
76. Patrick Mellett, Architect and CEO
77. Marc le Menn PhD, Head of Metrology-Chemistry Oceanography Lab, Brest
78. Henri Mertz, Ingénieur Civil de l'école de la Métallurgie et des Mines de Nancy, Chef d'Entreprises
79. Serge Monier, former manager of various multinational companies, at present Co-founder and Treasurer of 'Climat et Vérité'
80. 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
81. Jacques-Marie Moranne, Retired Engineer (Ecole Centrale de Lille), Specialist in Air and Water Purification, Chemical and Nuclear Engineering
82. Serge Morin, Emeritus Professor Geography at Université Michel de Montaigne, Bordeaux, Honorary Mayor of Branne
83. Cédric Moro, Geographer on Natural Hazards Management, Co-Founder of Visov, a NGO in Civil Defense
84. Philippe Morvan, Engineer ENSTA and Génie Maritime, specialist in Software Development
85. Charles Naville, R&D Exploration Geophysicist, IFP Energies Nouvelles
86. Michel le Normand, Emeritus Professor of Botany and Plant Pathology and Chairman of Plant Production Department, National Superior School of Agronomy, Rennes
87. 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'
88. 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'
89. Rémy Prud'homme, Emeritus Professor in Economics at University of Paris-Est, Former Deputy-Director, Environment Directorate, OECD
90. Jean Marie Ravier, Engineer of ECOLE CENTRALE DE PARIS, and diplomed SCIENCES POLITIQUES PARIS, recently retired MD of small industrial company
91. Pierre Richard, Engineer ESPCI Paris, Former Research Geochemist at Institut de Physique du Globe de Paris (IPGP)
92. Pierre Ripoche, Engineer INSA in Chemistry, Retired Project Manager in R&D, Expert in High Temperature Plasma for Optical Fiber Process
93. Isabelle Rivals, Associate Professor in Statistics at ESPCI Paris
94. Bertrand Rouffiange, Doctor of Medicine, specialized in Radiology
95. Jean Rouquerol, Emeritus Research Director at CNRS Marseille, Expert in Gas Adsorption and Calorimetry
96. Georges de Sablet, Retired Associate Professor at University of Paris Descartes, Formerly in charge of Operating Systems and Networks at IUT Paris
97. François Simonet PhD, Biology, Former Director for Planning and Foresight in a State Agency for Water and Aquatic Ecosystems Management

98. Zakaria Tarif, Scientific engineer specialized in electrical energy and telecommunications
99. 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)
100. Marcel Terrier, Ex Engineers in Industry, Former Teacher at the Douai School of Mines
101. Michel Thizon, Chemical engineer, ACR (Association des Climato-Réalistes, France) member; former researcher at the Ecole Polytechnique, consultant, retired
102. David Uzal PhD philosophy of technics and PhD of practical philosophy
103. 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)
104. Camille Veyres, Retired Engineer at École des Mines, specialist in Telecommunications and Broadband Networks
105. Werner de Ville Vreden, writer ("Afrika"), developer and author
106. Brigitte van Vliet-Lanoë, Geoscientist, Emeritus Research Director (CNRS, Université de Bretagne Occidentale), Stratigraphy and Palaeoenvironments, Quaternary and Holocene
107. Théa Vogt, Retired CNRS Searcher, Géomorphology, Quaternary Palaeoenvironments, Soil and Desertification Remote Sensing
108. 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. Dr. Günter Dedié, Dipl. Physiker
15. Dr. Hans Demanowski, Engineer, Professor of Packaging Technology, BHT, Berlin, expert in Counterfeit Protection, holder of several Patents in this field
16. Dr. Ing. Rolf Diederichs, Studie Eisenhüttenkunde in Clausthal-Zellerfeld, climate realist
17. Prof. Dr. Klaus D. Döhler, Professor of Pharma sciences, University of Hannover
18. Wolf Doleys, Retired teacher (high school, college) and writer (essay, poetry, novel)
19. Joerg Dornemann Msc in Geology, lifetime career in the Geo-Energy Industry
20. Jörg Eichner, Specialist in situational awareness in crises and risk management
21. Friedrich-Karl Ewert, Emeritus Professor Geology, University of Paderborn
22. Ludwig E. Feinendegen, Emeritus Professor Medicine
23. Dr.-Ing. Helmut Fleck, langjährige berufliche Tätigkeit als Projektkoordinator in einer Großforschungseinrichtung
24. Dr. Dieter Freundlieb, Retired Senior Lecturer Griffith University, School of Humanities, Brisbane, Australia
25. Gerhard Gerlich, Emeritus Professor of Mathematical Physics, TU Braunschweig
26. Axel Robert Göhring, Doctor of Natural Sciences, EIKE e.V.
27. Dr. Klaus-Jürgen Goldmann, worldwide experienced petroleum geologist
28. Christian Habermann, Dr. in Economics, Investment Manager
29. Eberhard Happe, Eisenbahningenieur

30. Hermann Harde, Emeritus Professor of Experimental Physics and Materials Science, Helmut Schmidt-University, Hamburg
31. Prof. Dr. Bernd Hartke, Professor in Theoretical Chemistry, Expert Knowledge in Computer Modelling, University of Kiel
32. Manfred Hauptreif, Natural Scientist
33. Dennis J. Hendricks, Graduated Engineer of Environmental Technologies, Technischen Hochschule Ostwestfalen-Lippe, University of Applied Sciences and Arts
34. Dietmar Hildebrand PhD Biophysics and Nuclear Physics, patent holder in fuzzy logic based surveillance, IT expert and development manager
35. Dr. Andreas Hoppe, Systems biologist, Institute for Bee Research
36. Heinz Hug, Chemistry, Master (Diplom Chemiker), PhD (Dr. rer. nat.), lecturer at Paul-Ehrlich-Schule (Frankfurt, Germany), Technical College affiliated to the former Hoechst AG
37. Prof. Axel Janke PhD, professor of evolutionary genomics
38. André Karutz, Chemist, Dr. rer. nat. expert in environmental matters
39. Professor Dr. Gerhard Kehrer, Retired Physician, Internist and Physiologist
40. Dr. Udo Kienle, Agricultural Scientist at University of Hohenheim
41. Werner Kirstein, Emeritus Professor of Climatology, University of Leipzig
42. Bernhard Kleinhenz, Collage teacher of Biologie, Chemistry and Physics
43. Gunther Klessinger, Physicist, University at Regensburg Germany and Boulder Colorado
44. Stefan Kröpelin, Dr. in Geosciences, Free University of Berlin and University of Cologne (Retired), specialized in Climate Change of the Sahara
45. Dr. rer. nat Gunter Kümel, lifetime career in virus research in the natural sciences
46. Max Kupillas, Dipl.-Ing. Masch.-Bau, retired Prod.Ltr.
47. Ulrich Kutschera, Professor of Plant Physiology & Evolutionary Biology at the University of Kassel and Visiting Scientist in Stanford USA
48. Jobst Landgrebe, Scientist and Entrepreneur specialised in Artificial Intelligence and Theory of Science
49. Wolfgang Laub, Physics (J.W.Goethe University, 1977-1986), Medicine (Physiology-Biomechanics, Max-Planck Institute, 1980-1986), patent holder in different areas
50. Michael Limburg, Vice-President EIKE (Europäisches Institute für Klima und Energie)
51. Martin Lindner PhD in Chemistry, Dipl. in Chemistry, President of the Bürger für Technik
52. Dr. Rolf Lindner, Chemist
53. Dr. Alf Loeffler, PhD in Theoretical Physics
54. Prof. Dr. Kai van de Loo, Dr. rer. oec. Honorarprofessor der THGA und Senior Consultant im Forschungszentrum Nachbergbau
55. Dr. Stephan Lorenzen PhD Theoretical Biology, Bioinformatician, worked with nonlinear modelling
56. 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
57. Horst-Joachim Lüdecke, Professor of Operations Research (i.R.) HTW of Saarland, Saarbrücken
58. Wolfgang Merbach, Professor Dr. Agrar. Habil. at Institut für Agrar Ernährungswissenschaften
59. Lothar W. Meyer, Emeritus Professor of Material Engineering, Chemnitz University of Technology, Saxony Entrepreneur 'Nordmetall GmbH', Member of the Board of 'Vernunftkraft Niedersachsen'
60. Marcus J. Moeller, MD, PhD, University Professor of translational Nephrology, RWTH Aachen University
61. Jens Möller, Graduate Economist, Climate Realist
62. Wolfgang Monninger PhD, lifetime career in Petroleum Geology (Exploration, Petrophysics)
63. Klaus Morawetz, PhD Physics, Professor in Theoretical Physics, Quantum Kinetic Theory, Quantum Statistics
64. Werner Mormann, Emeritus Professor of Macromolecular Chemistry, Universität Siegen
65. Dipl. Phys. Raimund Müller, education in physics and thermodynamics, climate realist
66. Holger Neulen, Retired Mechanical Engineer

67. 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
68. Rainer Olzem, Diplom-Geologe, Aachen
69. Hans Penner PhD, Dipl.-Chem. Dr. rer. nat., Linkenheim-Hochstetten
70. Dr. Dr. Wätzold Plaum, Physicist and YouTuber
71. Michael Principato MSc in Electrical Engineering, specialised in Control Engineering and Modeling
72. Dieter Ramcke, retired geophysicist
73. Siegfried Reiprich, Dipl.-Ing, Geoscientist and Oceanography
74. Mathias Ricking, Dr. rer.nat Geoscience, Environmental Geoscientist
75. Andreas Salzman, Dr. rer. nat., Diplom Chemiker
76. Dieter Prof. Dr. Schildknecht, Professor of theoretical Physics, University of Bielefeld
77. Dr. Hendrik Schlesing, Environmental Expert and Consultant
78. Hans Joerg Schmidt, Chemical Engineer and Autor of certain books, explaining atmospheric energy exchange and providing arguments against global warming caused by mankind
79. Dr. Martin Schmidt, PhD Physics, industrial career of research, development and production of hightec products and subsequently 22 years CEO of Möller-Wedel, a German medical company
80. Dr Stefan Schmidt, Scientist in the field of Energy
81. Dr. Jens-Christoph Schneider PhD in Isotope Chemistry, life time career in palaeoclimate and atmospheric geochemistry
82. Dr. rer. nat. Michael Schnell, Retired chemist
83. 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>)
84. Dipl. Psych. Ulrike Schwan, Professional Psychotherapist, Psychotherapist look at the IPCC Organization
85. W.H. Eugen Schwartz, Emeritus Professor of Theoretical Chemistry, Universitaet Siegen
86. Dr.-Ing. Christian Singewald, Dipl.-Geologist, PhD Mining Engineering
87. Attila Sonal, Dipl.-Ing. der Elektrotechnik, Retired am Technischen Universität Kaiserslautern, Stadtratsmitglied Kaiserslautern, Preisträger Ansaldo Ricerche Price
88. Dr. Fritz Sontheimer, Retired Physicist, PhD in Condensed Matter Physics
89. Dr. Wolfgang Strehlau, Phys. Chemist, Technology Fellow in Johnson Matthey Plc, UK
90. Lothar Streng, strategy and concept developer, full time writing on a large SF project
91. Manuel Tacanho, founder and president of the Afrindependent Institute
92. Matthias Thiermann, Parliamentary adviser in the Bavarian Parliament
93. Dr. Holger Thuss, President EIKE Institute
94. Martin Treiber, PhD in Physics, Professorship of Econometrics and Statistics
95. Jost Trier PhD, Retired Experimental Physicist at the Federal Institute in Braunschweig, Dept. of Atomic Physics
96. Ralf D. Tscheuschner PhD in Physics
97. Helmut Waniczek Dr. Dipl. Ing., Scientist, working 40 years in chemical industry
98. Silvio Weeren, Diplom in Physics, former IBM environmental affairs Germany, former chairs of EMI3 and ECMA TC38
99. Thomas Weimer, Process Engineer (Dr.-Ing.), worked on CO2 capture from atmosphere and during hydrogen generation
100. Toon Weisenborn PhD in Theoretical Physics, Emeritus scientist
101. 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
102. Dr. Roland Wiesendanger, Professor of Experimental Physics, University of Hamburg
103. Peter Willingmann, Dr. rer.nat
104. Lutz Wimmer, MSc Climate- and Environmental Change (Geography)



## 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. Ioannis Benekos, PhD in Civil and Environmental Engineering, Senior Researcher, Head of the Laboratory on Risk Management and Resilience at the Centre for Research and Technology Hellas
3. Costas Fasseas, Emeritus Professor of Plant Anatomy & Electron Microscopy, Department of Crop Science, Agricultural University of Athens
4. Anthony Foscolos, Emeritus Professor of Mineral Resources at the Technical University of Crete, Energy Consultant for the United Nations Development Program (UNDP)
5. Chris Fytas, PhD, MSc in Chemistry, Chemist, Lyophilization Scientist
6. Christos D. Georgiou, MSc (with Honors) in Biochemistry, Ph.D. in Biology-Biochemistry, Emeritus Professor of Biochemistry
7. Dr. 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
8. Christos J. Kolovos PhD, Mining & Metallurgy Engineer, Former Director of Mine Planning & Contractor Works Dept., Public Power Corporation of Greece
9. Emmanouil Kopanakis, Mechanical Engineer, Teacher at the Environmental Education Center of Karpenisi
10. Demetris Koutsoyiannis, Professor of Hydrology and Analysis of Hydrosystems at the National Technical University of Athens
11. Aristotelis Liakatas, Emeritus Professor of the Agricultural University of Athens on Agrometeorology, Member of the Greek Agricultural Academy
12. Nikos Mamassis, Associate Professor of Engineering Hydrology and Hydrometeorology at the National Technical University of Athens
13. Charilaos Markopoulos MSc in Waste Management
14. Spyridon Nikiforos, Economist, MBA
15. Miltiadis Nimfopoulos, PhD in Earth, Atmospheric and Environmental Sciences, lifetime career in Applied and Environmental Geochemistry
16. Sonia Perez † PhD, Biology/Immunology, Scientific Coordinator Cancer Immunology and Immunotherapy Center Saint Savas Cancer Hospital, Athens
17. 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. Jorge David Chapas, agronomist, environmental economics specialist, writer, spokesman of climate realism and conservative politician
2. Christopher Lingle PhD Economics Universidad Francisco Marroquín



#### SCIENTISTS AND PROFESSIONALS FROM HUNGARY

1. *Laszlo Szarka, Geophysicist, O.M.; WCD Ambassador*
2. Dr. Dezso Csejtei, retired professor of philosophy at the University of Szeged
3. Dr. Endre Fuggerth, Chemist, lifelong experience in gas-chromatography
4. István Héjjas PhD, Retired R&D Electrical Engineering
5. Tom Kauko, PhD Geography, Independent Researcher based in Budapest
6. József Király, Chemical Engineer and one of the Authors of the Hungarian site [www.klimarealista.hu](http://www.klimarealista.hu)
7. Dr. József Majer, Senior Professor of Ecology and Environment Protection at University of Pécs
8. Gábor Simon MSc Chemical Engineering, University teacher General, Anorganic, Environmental and Analytic Chemistry
9. Dr. Gábor Szász, Professor Emeritus, College Professor Dennis Gabor College Department of Economics and Engineering



#### SCIENTISTS AND PROFESSIONALS FROM ICELAND

1. Helgi Tomasson, PhD in Econometrics/statistics, Estimation and Computation in time-series models





## 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
6. Avner Niv, PhD of Solid State Physics (Physical Chemistry department, TAU), research scholarship awarded by Ministry of National Infrastructures, Energy and Water Resources. Industrial multidisciplinary experimental researcher

7. Nir J. Shaviv PhD in Physics at the Israel Institute of Technology, Professor of Physics at the Racah Institute at the The Hebrew University of Jerusalem



## SCIENTISTS AND PROFESSIONALS FROM ITALY

1. *Alberto Prestininzi, Professore di Rischi Geologici, Honorary Cherman NHAZCA Università of Rome Sapienza, già Scientific Editor in Chief della Rivista Internazionale IJEGE e Direttore del Centro di Ricerca, Previsione, Prevenzione e Controllo dei Rischi Geologici (CERI); WCD Ambassador*
2. Pietro Agostini, Ingegnere, Associazione Scienziati e Tecnologi per la Ricerca Italiana
3. Aldo Aluigi, Nuclear Engineer, Consultant in Power Plants, Cogeneration end District Heating
4. Piero Baldecchi, Lettore
5. Achille Balduzzi, Geologo, Agip-Eni
6. Antonio Ballarin, Fisico, “Chief Artificial Intelligence Officer” di una pubblica amministrazione
7. Cesare Barbieri, Professore Emerito di Astronomia, Università di Padova
8. Donato Barone, Ingegnere
9. Sergio Bartalucci, Fisico, Presidente Associazione Scienziati e Tecnologi per la Ricerca Italiana
10. Giuseppe Basini, Astrofisico, Deputato, già dirigente di Ricerca dell’INFN
11. Franco Battaglia, Professore di Chimica Fisica, Università di Modena, Movimento Galileo 2001
12. Marco Benini, Ingegnere Idraulico, Libero Professionista
13. Eliseo Bertolasi, Dottore di Ricerca in Antropologia Culturale
14. Giorgio Bertucelli, Ingegnere, già Dirigente Industriale, ALDAI
15. Alessandro Bettini, Professore Emerito (Fisica) Università di Padova
16. Antonio Bianchini, Professore di Astronomia, Università di Padova
17. 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
18. Mariano Bizzarri PhD, MD, Professor of Clinical Pathology in the Department of Experimental Medicine at University Sapienza, Rome
19. Paolo Blasi, Professore Emerito (Fisica) e già Rettore dell’Università di Firenze, già Presidente della Conferenza dei Rettori delle Università Italiane
20. Enrico Bongiovanni, Dottore Commercialista
21. Paolo Bonifazi, Ex Direttore dell’Istituto di Fisica dello Spazio Interplanetario (IFSI) dell’Istituto Nazionale Astrofisica (INAF)
22. Roberto Bonucchi, Insegnante in Pensione
23. Giampiero Borrielli, Ingegnere
24. Francesca Bozzano, Professore di Geologia Applicata, Università di Roma La Sapienza, Direttore del Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI)
25. Antonio Brambati, Professore di Sedimentologia, Università di Trieste, Responsabile Progetto Paleoclima-mare del PNRA, già Presidente Commissione Nazionale di Oceanografia
26. Gianfranco Brignoli, Geologo
27. Marcello Buccolini, Professore di Geomorfologia, Università di Chieti-Pescara
28. Paolo Budetta, Professore di Geologia Applicata, Università di Napoli
29. Antonio Maria Calabrò, Ingegnere, Ricercatore, Consulente
30. Monia Calista, Ricercatore di Geologia Applicata, Università di Chieti-Pescara
31. Massimo Canali, Associate Professor of Agricultural Economics and Policy, Department of Agriculture and Food Sciences, University of Bologna
32. Cristiano Carabella, Geologo, Borsista presso l’Università di Chieti
33. Peppe Caridi
34. Franco Casali, Professore di Fisica, Università di Bologna e Accademia delle Scienze di Bologna
35. Andrea Casini, Lifetime career in electronic engineering and radiocommunications, patent holder in wideband radio signals transmission over fiber optics, Member of The Climate Reality Project
36. Dr. Agronomo Fausto Cavalli, Agronomist, specialisation in meteorology
37. Giuliano Ceradelli, Ingegnere e Climatologo, ALDAI

38. Augusta Vittoria Cerutti, Membro del Comitato Glaciologico Italiano
39. Franco Di Cesare, Dirigente, Agip-Eni
40. Alessandro Chiaudani PhD, Agronomo, Università di Chieti-Pescara
41. Luigi Chilin, Dirigente in Pensione
42. Claudio Ciani, Relazioni Internazionali, Scienza Politica, Università di Roma La Sapienza
43. 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
44. Pino Cippitelli, Geologo Agip-Eni
45. Carlo Colomba
46. Enrico Colombo, Chimico, Dirigente Industriale
47. Vito Comencini, Onorevole, Membro della Camera dei Deputati Italiana dal 2018
48. Enrico Conti, Physicist, Istituto Nazionale di Fisica Nucleare (INFN)
49. Ferruccio Cornicello, Fotografo e Lettore di Studi sul Clima
50. Domenico Corradini, Professore di Geologia Storica, Università di Modena
51. Carlo Del Corso, Ingegnere Chimico
52. Uberto Crescenti, Professore Emerito di Geologia Applicata, Università di Chieti-Pescara, già Magnifico Rettore e Presidente della Società Geologica Italiana
53. Fulvio Crisciani, Professore di Fluidodinamica Geofisica, Università di Trieste e Istituto Scienze Marine, Cnr, Trieste
54. Salvatore Custodero
55. Francesco Dellacasa, Ingegnere, Amministratore di Società nel settore Energetico
56. Alessandro Demontis, Perito Chimico Industriale, Tecnico per la Gestione delle Acque e delle Risorse Ambientali, Pomezia
57. Serena Doria, Ricercatore di Probabilità e Statistica Matematica, Università di Chieti-Pescara
58. Gandolfo Dominici PhD in Business Management, Associate Professor of Business Management and Marketing, University of Palermo
59. Roberto d'Arielli, Geologo, Borsista presso l'Università di Chieti
60. Carlo Esposito, Professore di Rischi Geologici, Università di Roma La Sapienza
61. Gianluca Esposito, Geologo
62. Prof. Stefano Falcinelli PhD, Professor of Chemistry and Materials Technology, Department of Civil and Environmental Engineering, University of Perugia
63. Antonio Mario Federico, Professore di Geotecnica, Politecnico di Bari
64. Aureliano Ferri, Vicepresidente Associazione Piceno Tecnologie
65. Maurizio Fiorelli, Sommelier Professionale, studioso dell'evoluzione nella Coltivazione delle Vigne
66. Mario Floris, Professore di Telerilevamento, Università di Padova
67. Gianni Fochi, Chimico, Ricercatore in Pensione della Scuola Normale Superiore, Giornalista Scientifico
68. Sergio Fontanot, Ingegnere
69. Luigi Fressoia, Architetto Urbanista, Perugia
70. Mario Gaeta, Professore di Vulcanologia, Università di Roma La Sapienza
71. Stefano Galli MSc in Chemical Engineering, retired researcher
72. Sabino Gallo, Ingegnere Nucleare e Scrittore Scientifico
73. 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
74. Giuseppe Gambolati, Fellow della American Geophysical Union, Professore di Metodi Numerici, Università di Padova
75. Alessio Del Gatto, Liceo Scientifico, Collaboratore Attivita Solare.it
76. Rinaldo Genevois, Professore di Geologia Applicata, Università di Padova
77. Umberto Gentili, Fisico dell'ENEA, Climatologo per il Progetto Antartide, ora in pensione
78. Enrico Ghinato, Perito Fisico
79. Mario Giaccio, Professore di Tecnologia ed Economia delle Fonti di Energia, Università di Chieti-Pescara, già Preside della Facoltà di Economia
80. Daniela Giannessi, Primo Ricercatore, IPCF-CNR, Pisa
81. Roberto Grassi, Ingegnere, Amministratore G&G, Roma
82. Roberto Graziano, Ricercatore di Geologia Stratigrafica e Paleoclimatologia/ Paleocceanografia, Università di Napoli, già Geologo presso il Servizio Geologico d'Italia

83. Alberto Guidorzi, Agronomo
84. Roberto Habel, Professore di Fisica Medica, Università di Cagliari
85. 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
86. Nicola Iacovone, Physicist
87. Alberto Lagi, Ingegnere, Presidente di Società Ripristino Impianti Complessi Danneggiati
88. Dr Francesco Lamberti PhD in Material Science of the University of Padova, working on next generation PV
89. Luciano Lepori, Ricercatore IPCF-CNR, Pisa
90. Carlo Lombardi, Professore di Impianti Nucleari, Politecnico di Milano
91. Walter Luini, Geometra
92. Roberto Madrigali, Meteorologo
93. Angelo Maggiora PhD, INFN Senior Researcher, more than 40 years experience in research at CERN, Saclay, Dubna and Frascati
94. Franco Maloberti, Emeritus Professor, expert on microelectronics and modelling
95. Ettore Malpezzi, Ingegnere
96. Vania Mancinelli, Geologo, Borsista presso l'Università di Chieti
97. Ludovica Manusardi, Fisico Nucleare e Giornalista Scientifico, UGIS
98. Luigi Marino, Geologo, Centro Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza
99. Maurizio Marsigli, Graduated in Geological Sciences and science author on the Sun and Space Meteorology
100. Alessandro Martelli, Ingegnere, già Dirigente ENEA
101. Francesco Martelli, Professor Emeritus of University of Florence, Former President of European Turbomachinery Society
102. Paolo Martini, consultant petroleum geologist with 30+ years of experience
103. Salvatore Martino, Professore di Geologia Applicata all'Ingegneria al Territorio ed ai Rischi, Università di Roma "Sapienza"
104. Maria Massullo, Tecnologa, ENEA-Casaccia, Roma
105. Enrico Matteoli, Primo Ricercatore, IPCF-CNR, Pisa
106. Daniele Mazza, Former Professor of Applied Chemistry at Politecnico di Torino, Current research interests have shifted to environmental and climatic issues, in particular to ocean chemistry, CO<sub>2</sub> dynamic equilibria in seawater and climate cyclic variations
107. Paul P.A. Mazza, Associate Professor of Quaternary Geology and Paleontology and of Archeozoology, University of Florence
108. Paolo Mazzanti, Professore di Interferometria Satellitare, Università di Roma La Sapienza
109. Adriano Mazzarella, Professore di Meteorologia e Climatologia, Università di Napoli
110. Marcello Mazzoleni, Docente e imprenditore nel settore della formazione, fondatore del sito web MeteoSincero
111. Carlo Merli, Professore di Tecnologie Ambientali, Università di Roma La Sapienza
112. Enrico Miccadei, Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara
113. Gabriella Mincione, Professore di Scienze e Tecniche di Medicina di Laboratorio, Università di Chieti-Pescara
114. Umberto Minopoli, Presidente dell'Associazione Italiana Nucleare
115. Diego Minuto MSc Geology, Engineering Geologist
116. Alberto Mirandola, Professore di Energetica Applicata e Presidente Dottorato di Ricerca in Energetica, Università di Padova
117. 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
118. Maurizio Montuoro, Medico
119. Maria Luisa Moriconi, CNR researcher at Institute of Atmospheric Physics (retired) and associate to INAF until 2020
120. Renzo Mosetti, Professore di Oceanografia, Università di Trieste, già Direttore del Dipartimento di Oceanografia, Istituto OGS, Trieste

121. Prof. Federico A. Nazar, Researcher at Scientific Progress Fund, former Professor at the Pontifical Catholic University of Argentina
122. Daniela Novembre, Ricercatore in Georisorse Minerarie e Applicazioni Mineralogichepetrografiche, Università di Chieti-Pescara
123. Francesco Oriolo, Professore di Impianti Nucleari, Università di Pisa
124. Paolo Emmanuele Orrù, Professore di Geografia Fisica e Geomorfologia, Università di Cagliari
125. Sergio Ortolani, Professore di Astronomia e Astrofisica, Università di Padova
126. Roberto Pagani, Freelance Geologist
127. Alessandro Pagano, Geologist
128. Giorgio Paglia, Geologo, Borsista presso l'Università di Chieti
129. Massimo Pallotta, Primo Tecnologo, Istituto Nazionale Fisica Nucleare
130. Antonio Panebianco, Ingegnere
131. 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
132. Emanuele Paone, BSc.(HONS) Geology, M.Sc Geology, Geologist
133. Prof. Andrea Pardini PhD, University of Florence
134. Antonio Pasculli, Ricercatore di Geologia Applicata, Università di Chieti-Pescara
135. Ernesto Pedrocchi, Professore Emerito di Energetica, Politecnico di Milano
136. Davide Peluzzi, Ambasciatore del Parco Nazionale del Gran Sasso e dei Monti della Laga nel Mondo nel 2017
137. Corrado Penna, Docente di Matematica
138. Enzo Pennetta, Professore di Scienze Naturali e Divulgatore Scientifico
139. Gianni Pettinari, Impiegato Amministrativo, Fondatore del gruppo Facebook: "Falsi allarmismi sul riscaldamento globale"
140. Alessandro Pezzoli, Ricercatore Universitario e Professore aggregato in Weather Risk Management, Politecnico di Torino e Università di Torino
141. Tommaso Piacentini, Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara
142. Stefano De Pieri, Ingegnere Energetico e Nucleare
143. Paolo M.J. Pilli, Pensionato
144. Massimo Pilolli PhD Physics, Physicist, Meteorologist, Teacher
145. Stefano Piotto, PhD in Chemistry, Associate professor in Chemistry at the University of Salerno
146. Mirco Poletto, Geologo libero professionista, registered at 'Ordine dei geologi del Veneto'
147. Andrea Pomezzi, Presidente Associazione Piceno Tecnologie
148. Guido Possa, Ingegnere Nucleare, già Viceministro del Ministero dell'Istruzione, Università e Ricerca con delega alla Ricerca
149. Alfonso Pozio PhD, Senior Researcher, ENEA CR Casaccia, Rome
150. Giorgio Prinzi, Ingegnere, Direttore Responsabile della Rivista "21mo Secolo Scienza e tecnologia"
151. Franco Prodi, Professore di Fisica dell'Atmosfera, Università di Ferrara
152. Franco Puglia, Ingegnere, Presidente CCC, Milano
153. Francesca Quercia, Geologo, Dirigente di Ricerca, Ispra
154. Nunzia Radatti, Chimico, Sogin
155. Arnaldo Radovix, Geologo, Risk Manager in Derivati Finanziari
156. Maurizio Rainisio, Mathematician, Lifetime career in Clinical Development and Epidemiology
157. Mario Luigi Rainone, Professore di Geologia Applicata, Università di Chieti-Pescara
158. Mario Rampichini, Chimico, Dirigente Industriale in Pensione, Consulente
159. Arturo Raspini, Geologo, Ricercatore, Istituto di Geoscienze e Georisorse (IGG), Consiglio Nazionale delle Ricerche, Firenze
160. Enzo Reali, MSc, Agricultural and Rural Development Expert
161. 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
162. Marco Ricci, Fisico, Primo Ricercatore, Istituto Nazionale di Fisica Nucleare
163. Renzo Riva, Comitato Italiano Rilancio Nucleare (C.I.R.N.), Buja
164. PierMarco Romagnoli, Ingegnere, Milano

165. Vincenzo Romanello, Ingegnere Nucleare, Ricercatore presso il Centro di Ricerca Nucleare di Rez, Repubblica Ceca
166. Piergiorgio Rosso, Ingegnere Chimico
167. Stefano Rosso, Insegnante di Geografia, Storia e Italiano, Scuola Secondaria, Modena
168. Alberto Rota, Ingegnere, Ricercatore presso CISE ed ENEL, Esperto di Energie Rinnovabili
169. Ettore Ruberti, Ricercatore ENEA, Docente di Biologia Generale e Molecolare
170. Giancarlo Ruocco, Professore di Struttura della Materia, Università di Roma La Sapienza
171. Sergio Rusi, Professore di Idrogeologia, Università di Chieti-Pescara
172. Massimo Salleolini, Professore di Idrogeologia Applicata e Idrogeologia Ambientale, Università di Siena
173. Nicola Scafetta, Professore di Fisica dell'Atmosfera e Oceanografia, Università di Napoli
174. Emanuele Scalcione, Responsabile Servizio Agrometeorologico Regionale ALSIA, Basilicata
175. Nicola Sciarra, Professore di Geologia Applicata, Università di Chieti-Pescara
176. Francesco Sensi, Generale di Divisione Aerea (R)
177. Massimo Sepielli, Direttore di Ricerca, ENEA, Roma
178. Leonello Serva, Geologo, Accademia Europa delle Scienze e delle Arti, Classe V, Scienze Tecnologiche e Ambientali, già Direttore Servizio Geologico d'Italia
179. Roberto Simonetti, Geologo, R&D c/o Azienda S.I.I.
180. Elio Sindoni, Professore Emerito dell'Università di Milano Bicocca
181. Enzo Siviero, Professore di Ponti, Università di Venezia, Rettore dell'Università e-Campus
182. Rinaldo Sorgenti, Deputy Chairman of ASSOCARBONI
183. Ugo Spezia, Ingegnere, Responsabile Sicurezza Industriale, Sogin, Movimento Galileo 2001
184. Luigi Stedile, Geologo, Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza
185. Emilio Stefani, Professore di Patologia Vegetale, Università di Modena
186. Flavio Tabanelli, Fisico
187. Maria Grazia Tenti, Geologo
188. Umberto Tirelli, Visiting Senior Scientist, Istituto Tumori d'Aviano, Movimento Galileo 2001
189. Francesco Torre, Former Associate Professor of Geomorphology at the University of Bologna
190. Giorgio Trenta, Fisico e Medico, Presidente Emerito dell'Associazione Italiana di Radioprotezione Medica, Movimento Galileo 2001
191. Roberto Vacca, Ingegnere e Scrittore Scientifico
192. Gianluca Valensise, Dirigente di Ricerca, Istituto Nazionale di Geofisica e Vulcanologia, Roma
193. Prof. Paolo Sebastiano Valvo PhD - Associate Professor of Solid and Structural Mechanics, University of Pisa
194. Corrado Venturini, Professore di Geologia Strutturale, Università di Bologna
195. Flavio Vetrano, Honorary Professor of General Physics, DiSPeA, University Carlo Bo, Urbino
196. Benedetto De Vivo, Professore di Geochimica in Pensione dall'Università di Napoli, ora Professore Straordinario presso Università Telematica Pegaso, Napoli
197. Andrea Zaccone, Geologo, Dirigente Protezione Civile Regione Lombardia
198. Luigi Zanotto, Docente in Pensione
199. Franco Zavatti, Ricercatore di Astronomia, Università di Bologna
200. 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. Takahiko Ban PhD Chemical Engineering, Associate Professor at Osaka University
2. Masayuki Hyodo, Professor of Earth Science, Kobe University
3. Yoshihiro Muronaka, Professional Engineer, PE Office President, Energy & Environment
4. Mototaka Nakamura, Atmospheric and Oceanic Scientist (ScD in Meteorology, MIT)

5. Dr. Hiroshi L. Tanaka, Professor in Atmospheric Science, Centre for Computational Sciences, University of Tsukuba
6. Junji Yamamoto PhD, Professor of Earth and Planetary Sciences, Kyushu University



### 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. Tjeerd Andringa, MSc in Physics, PhD in Signal Processing, former Associate Professor of Sensory Cognition, Epistemologist
6. Jan Asselbergs, Mechanical Engineer who started his career with IHC. Since 1990 he is active in revitalizing medium sized companies
7. Dries Ausems MSc, Earth Sciences, Lifetime Experience as Geologist in the Geo-Energy Industry
8. René Bakers, Former Lawyer and Attorney Liability and Insurance
9. Dr. Thomas W. Bakker, Lifetime Experience in the Geo-energy Industry, Founder and former (or retired) CEO of Well Engineering Partners BV
10. Robert Becht, Lifetime R&D Experience in Water Management with emphasis on water management in East Africa
11. Frans van den Beemt, Nuclear Physicist, Former Program Director Technology Foundation STW
12. Jan Bernard, Geologist dredging- and offshore industrie and Royal Netherlands Navy Reserve (hydrography)
13. 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)
14. Jim van Beusekom, Retired Captain B747-400 with KLM, 35 years observational knowledge of the Earth's atmosphere
15. Maarten Biesheuvel MSc and PhD Chemical Technology, University of Twente, Senior Scientist Chemical Engineering and Water Technology, Wetsus

16. Andre Bijkerk, Retired Officer Royal Dutch Air Force, now Climate Researcher
17. Dr. Frans Bijlaard, professor-emeritus steel constructions, TU Delft
18. Dr. Ruud Binnekamp Msc. Integral Design and Management, teacher and researcher in design and decision systems at TU Delft
19. Harold J. Blaauw, PhD in Physics, Secretary of the former Netherlands Energy Research Council, independent consultant (retired)
20. Peter Bloemers, Emeritus Professor of Biochemistry, Radboud University, Nijmegen
21. Albert F.T. de Booij †, Founder Speakers Academy Int. BV, Founder en CEO World of Consciousness.com
22. Hans Bouman MSc, Chemistry, Professional in Production Technology and Asset Management
23. Dr. Ir. Arnold Bovy, retired, former Director Energy Transmission Company MEGALIMBURG
24. Ben Braam Msc in Physics, lifetime career in space instrumentation
25. Paul M.C. Braat, Emeritus Professor of Pulmonary Physics, University of Amsterdam
26. Solke Bruin, Emeritus Professor of Product-driven Process Technology, University of Eindhoven and Former Member Management Committee Unilever Research, Vlaardingen
27. Dr. Theo Claassen, Aquatic Ecologist
28. Paul Cliteur, Professor of Legal Sciences, Member of the Senate of The Netherlands
29. Albert J.H.G. Cloosterman, Retired Chemical Engineer, Publicist on Climate and Cosmological Matters
30. Charles Coleman, former executive Olivetti Group International
31. Marcel Crok, Climate Researcher and Science Journalist
32. Gerhard Diephuis MSc, Geosciences, specialized in Geophysics, Lifetime Experience in the Geo-Energy Industry, Guest Lecturer TU Delft
33. Henck van Dijk, Sculptor, designer and innovator
34. Dr. J.H.M. van Dijk, Organic Chemist
35. David E. Dirkse, Former Computer Engineer and Teacher Mathematics
36. Dr. Tjibbe Dokter MBA, Expert in Scenario Analysis and Risk Assessment, retired from AkzoNobel
37. Marco Draaisma, ICT Process Coördinator
38. Vincent van Driel, MSc Mechanical Engineering TU Delft, Design and Construction of gas/oil processing plants, Retired
39. 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
40. Arjan Duiker, Process Technologist at Tata Steel, specialist on Thermodynamics and Fluid Mechanics
41. Louw Feenstra, Emeritus Professor Erasmus University and Philosopher, Rotterdam
42. Arnold Fellendans, Physics at TU Delft, 40 years at Unilever (retired), [www.omdeearde.nl](http://www.omdeearde.nl)
43. Frans Galjee, Mechanical Engineer, Retired Researcher at ECN
44. Harold F. van Garderen, PhD in complexity science/chemistry (TU Eindhoven) and social complexity/narrative scientist (self-employed)
45. Jan van Gils, Teacher in Physics
46. Henk Goemans MSc, Geosciences, specialized in Reservoir Engineering
47. Frans H Gortemaker, Former Vice president Unilever Global R&D
48. W. J. Evert van de Graaff, Consulting Geologist, 50+ years Global Experience
49. Ton J.T. Grimberg, Oil & Gas Professional, Finance Adviser
50. Katharina Grimm Msc Agroecology and Sustainable Food Systems, Project Leader energy transition at the municipality of Epe
51. Kees de Groot, Former Director Upstream Research Lab. Shell
52. Paul de Groot PhD, Geoscience, Manager dGB Earth Sciences
53. 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
54. Leo Halvers, Former Director Billiton Research Arnhem and Former Director Technology Foundation STW
55. Hans Hamaker, University Degree in Phonetic Sciences, expert in biomechanics of speech, supporter of plasma cosmology, former wireless communication officer



56. Maarten Hardon BSc, Civil Engineering, Lifetime Experience in Offshore Industry, Director Venty BV
57. Eduard Harinck, Former Logistics Expert, Nedlloyd Group/KPMG Consulting
58. Godard Hazeu MSc, Geosciences, specialized in Geology, past Technical Director of the Dutch State Oil and Gas Company EBN
59. Edward Heerema Msc in Civil Engineering TU Delft, President of Allseas, worldwide active in offshore pipelaying and platform lifting
60. J.R Hetzler, Retired WUR Engineer Forestry Economics
61. Dr. Tom van der Hoeven, Energy Transport Modeling Expert
62. Jan F. Holtrop †, Emeritus Professor of Petroleum Engineering, Delft University of Technology
63. Hans Hombroek MSc, Geoscience, Lifetime Experience in the International Geo-Energy Industry
64. Tom Hoornstra, Air-conditioning Engineer
65. Jan Horstink, Earth Scientist, Exploration Projects Oil & Gas ME & FE
66. A. Huijser, Physicist and Former CTO Royal Philips Electronics
67. Jan de Jager, emeritus professor Geology (VU University Amsterdam, University of Utrecht)
68. Jan C. de Jong Msc Process Engineering TU Delft, expert in energy-and thermal process engineering, lifetime career in the oil and gas industry
69. Jan de Jong, former director Sampo Industrial Insurance NV. Benelux and Electrорisk Verzekeringsmaatschappij N.V.
70. Wouter J. Keller, Emeritus Professor of Statistical Methods, Former Member Board of Directors, Central Bureau of Statistics (CBS)
71. Jacques van Kerchove, Economist and Marketeer, Former CFO Rabobank, now Climate and Environment Researcher
72. 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/>
73. Rob de Kok, Principal Geophysicist, researching Influence of CO2 on Atmospheric Temperatures
74. Hans Kolmschate, Chemical Engineer, University of Twente
75. Henk de Koning MSc, former Principal Management Consultant Atos Consulting with specialisation Logistics, IT and Information Security
76. Rob W.J. Kouffeld †, Emeritus Professor of Energy Conversion, Delft University of Technology
77. Hans H.J. Labohm, Former Expert Reviewer IPCC
78. Prof. dr. Cornelis A. de Lange, Emeritus Professor of Atmospheric Chemistry and Physics, and Complex Modelling, Former Senator in the Dutch Senate
79. Arjan Lenoir, MSc Industrial Sciences
80. B.G. Linsen, Former Director Unilever Research Vlaardingen
81. Jaap M. van Luijk, Msc. Petroleum Engineering, lifetime experience in the international geo-energy industry
82. Pieter Lukkes, Emeritus Professor of Economic and Human Geography, University of Groningen
83. Ronald Luttkhuizen, Studied Physical Geography, retired economist and statistician
84. Hugo Matthijssen, Former Teacher Meteorology, now Publicist on Climate Matters
85. Leo D. Minnigh, retired scientist in structural geology, lecturer/speaker for non-professionals
86. 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
87. Ir. J.M. Mulderink, Former General Director Akzo-Nobel
88. Rob Nijssen, Radar Engineer and Publicist on Climate Matters
89. Rutger van den Noort PhD, Advisor in Innovation Processes, CEO Newcalf
90. Dr. Chris Oldenhof PhD in Photochemistry, Retired from the Dutch chemical company DSM
91. Peter Oosterling, Former Scientist E & P Shell, now active as Climate Researcher
92. Daan Osinga, Geologist
93. Kees Pieters, Mathematician, Former Operational Research and ICT manager at Shell

94. Robert J van der Plas MSc Applied Physics, MSc Development Studies, Sustainable Energy Management and Development Specialist
95. Reynier Pronk, Former IT Manager, Accredited Project Management Consultant and Trainer
96. Paul Ras Msc Geophysics TU Delft, Geophysical Consultant, climate realist
97. Ir B. Peter Rauwerda Msc. in nuclear engineering, TU Delft
98. Louis M.P.T. van den Reek, PharmD, Member of 'De Groene Rekenkamer'
99. Jan C. Reinoud, retired CEO Dutch chain of Supermarkets
100. A.G. Reitsma, MSc in Social technology, planned change (University of Groningen 1978) Social Technician
101. Kees Remi, Electrical Engineer, lifetime experience in Energy Distribution and Industrial Automation
102. Joseph Reynen, Finite Element Modeling Expert, Retired from EU Joint Research Centre in Ispra, Emeritus Associate professor TU Delft
103. G.T. Robillard, Emeritus Professor of Biochemistry and Biophysics
104. Jaap Romijn Msc in Civil Engineering TU Delft, lifetime experience in water management projects
105. Kees Roos, Emeritus Professor of Optimization Technology, Delft University of Technology
106. Robert Sambell PhD, Physics, Professional Geophysicist
107. Rutger van Santen, Emeritus Professor of Anorganic Chemistry and Catalysis, Former Rector Magnificus, Eindhoven University
108. Don Schäfer, Former Director Shell Exploration & Production and New Business, Shell
109. Juleon Schins PhD in Molecular Physics, specialist in near infrared spectroscopy
110. Dr. Rob Schoevaart, Biocatalist, Co-founder and Managing Director of ChiralVision, being specialised in making chemical processes greener
111. Frans Schrijver, Strategy Consultant and Climate Publicist
112. Bert Sigmond, Geologist, Founder of EuGeNe Company in Geothermal Energy
113. Hendrick Smit, Chemical Engineer, specialised in Environmental Instrumentation
114. Jos de Smit, Emeritus Professor of Stochastic Operations Research and Former Rector Magnificus of the University of Twente
115. Barend-Jan Smits, Geologist, Former Director of Wintershall Nederland, BASF Group
116. Jack van Soest BSc, Geography teacher (retired)
117. 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
118. Albert Stienstra †, Emeritus Professor of Computer Simulation and Micro-Electronics, Delft University of Technology
119. P.J. Strijkert, Former Member Board of Directors of DSM, Delft
120. Hans van Suijdam, Former Executive Vice President Research and Development DSM
121. Dick Swart, MSC; worldwide drilling expert, lifetime of experience in the geo-energy industry
122. 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'
123. Peter van Toorn, Former Research Geophysicist Shell
124. Fred Udo, Emeritus Professor of Nuclear Physics, Vrije Universiteit Brussels
125. 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
126. Maarten Vasbinder MD, specialized in prion theories and practice
127. J.F. van de Vate, Former Director ECN, Petten, Former UN Delegate IPCC
128. Jan Verheij, Retired Scientist Applied Physics at TNO Delft, Emeritus Professor of Noise Control Engineering at Eindhoven University of Technology
129. Hans Verschuur MSc, Geosciences, specialized in Mining
130. H. Verveer, Civil Engineer, lifetime experience in maritime infrastructure and building services
131. Jannes. J. Verwer, Former Director ECN and Former Chairman Supervisory Board State Owned Radio Active Waste Storage Facilities
132. Dr Koen Vogel, Geologist and Geostatistician, lifetime experience in numerical modelling, proficient in evaluating and developing global energy projects

133. Henk van der Vorst, Emeritus Professor of Numerical Mathematics, University of Utrecht
134. Bart Vos, MSc Petroleum Engineering, Lifetime of Experience in the Geo-energy Industry
135. Rob de Vos, Geographer and Editor of "Klimaatgek"
136. Henk de Vries, lifetime experience in organised crime, expert in digital forensics
137. Jaap van der Vuurst de Vries, Emeritus Professor of Petroleum Engineering, Former Dean Faculty of Applied Earth Sciences, Delft University of Technology
138. 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"
139. Dr. André Wakker, energy expert, lifetime experience in nuclear energy, speaker and writer on energy transition
140. Karel Wakker, Emeritus Professor of Astrodynamics & Geodynamics, Delft University of Technology
141. Robert N. Walter MSc E.E., Member Advisory Board 'De Groene Rekenkamer'
142. Cyril Wentzel, Multi-Physics Engineer and Chairman of Environmental Think Tank 'Groene Rekenkamer'
143. Frans A. van der Werf, Master of Law, Owner of an International Business for Management, Consultancy and Finance
144. Bert Weteringe, Author, independent research journalist on energy transition and wind energy
145. Dolf van Wijk, Formerly AkzoNobel Environmental Research Laboratory and Former Executive Director Cefic-Euro Chlor, Brussels
146. Jaap Wijsman, Mechanical Engineer, active in the offshore industry
147. Jan Winkel MSc, Chemical Engineering, specialization in Natural Gas Projects, Lifetime Experience in the Geo-Energy Industry
148. Theo te Winkel, Geo Scientist and International Health Care Specialist
149. W.J. Witteman, Professor of Applied Physics and CO2 Lasers, University of Twente
150. 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'
151. Theo Wolters, Chairman Environment, Science & Policy Foundation, Co-founder 'Groene Rekenkamer' and 'Climategate.nl'
152. Govert Zijderveld, MSc Mining Engineering, Consultant for all Drilling, Mining and Naval Engineering activities
153. Dr. E.J. (Ed) Zuiderwijk, Retired Astrophysicist and Data Manager
154. 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. Mario Barbafera, MSc Palaeoclimatology, Teacher
5. Paul A. Catchpole, Qualified Land Surveyor & Fellow of New Zealand Institute of Surveyors, Retired Ex Commissioner of the New Zealand Environment Court
6. Roger High Dewhurst, Retired, Geologist/Hydrogeologist
7. Geoffrey G. Duffy, Professor Emeritus, University of Auckland
8. Terry Dunleavy † MBE, Co-Founder (2006) and Honorary Secretary New Zealand Climate Science Coalition
9. Doug Edmeades, Managing Director agKnowledge Ltd.
10. Joe Fone, CAD Engineer, Enatel Ltd.
11. 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
12. Gary Kerkin, Retired Chemical Engineer, Upper Hutt. Executive member New Zealand Climate Science Coalition

13. Dr Roman A J Leslie, Research specialist in geochemistry of arc-magmatism, magma-wallrock interactions, mineralogy, melt inclusions, SW Pacific tectonics and geodynamics
14. Brian Leyland, Power Systems Engineer and Experienced Renewable Energy Specialist
15. Gerrit J. van der Lingen, Geologist and Paleoclimatologist, New Zealand, Author of the Book "The Fable of Stable Climate"
16. Dr. John Maunder, Climate Scientist, President of the WMO Commission for Climatology 1989-1996
17. Dr Richard Reaney, Climate Researcher, Post Graduate Qualification in Antarctic Studies, University of Canterbury New Zealand
18. Darag S. Rennie MBChB, Lifetime explorer of truth
19. John Scarry ME (Civil), Structural Engineer, Member of the New Zealand Climate Science Coalition
20. John Sexton, Member of the New Zealand Climate Coalition
21. David Shelley, Emeritus Associate Professor Geology and latterly Dean of Postgraduate Studies, University of Canterbury, Christchurch
22. David Steward, Electronic Engineer, Supporter of truth seeking in climate change
23. Philip Strong, Science Research Leader & Member of the New Zealand Climate Coalition
24. Richard Treadgold, Executive Member NZ Climate Scienc Coalition, Convenor Climate Conversation Group
25. Ian Wright, Professional Geologist



## SCIENTISTS AND PROFESSIONALS FROM NORWAY

1. *Ivar Giaever, Nobel Laureate Professor, Nobel Prize Winner in Physics, Emeritus Professor of the Rensselaer Polytechnic Institute, Chief Technology Officer of Applied Biophysics Inc., Fellow of the American Physical Society; Honorary WCD Ambassador*
2. *Jan-Erik Solheim, Professor Emeritus Astrophysics, University of Tromsø – The Arctic University of Norway; WCD Ambassador*
3. Gunnar Abrahamsen, Professor Emeritus Soil Science, University of Life Sciences
4. Knut Åm, retired geoscientist, holding positions at the Geological Survey of Norway, the Norwegian Petroleum Directorate, Statoil (R&D Manager), several positions with Phillips Petroleum Company both in Norway and the United States and adjunct Professor of Geophysics at the University of Bergen, Norway. Knut Åm is Honorary member of The Norwegian Academy of Technological Sciences
5. Egil Bergsager MSc of UCLA, and also University of Oslo, Petroleum Geologist, Director Norwegian Petroleum Directorate, President Rogaland Science Park. Board member of many advanced technology companies
6. Stein Sorlie Bergsmark, Phycisist, Former Head of Renewable Energy Studies Programmes, University of Agder
7. 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. Erik Bye, Retired Senior Scientist in Chemistry and Occupational,Hygiene
11. 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
12. Jon Gulbrandsen PhD, Biologist, Associate Professor NOFIMA and NOAA (USA)
13. Arve Gleissner Gustavsen, Msc in Cybernetics, Lifelong Experience in Design and Engineering
14. Røgnvaldur Hannesson, Professor Emeritus, Norwegian School of Economics
15. Geir Hasnes, Adjunct Associate Professor, Department of Engineering Cybernetics, Norwegian University of Science and Technology
16. Martin Torvald Hovland, Geophysical and Geological Advisor, Former Lecturer at University of Tromsø
17. Ole Humlum, Professor Emeritus in Physical Geography, University of Oslo
18. Morten Jødal †, Biologist, Former Employee of the Norwegian Research Council and the Centre for the Development and Environment at the University of Oslo
19. Dr. Ing. Hans Konrad Johnsen, Dr. Ing.
20. Olav Martin Kvalheim, Emeritus Professor, Chemistry, Bergen University

21. Arnfinn Langeland, Professor Emeritus Biology, Norwegian University of Science and Technology
22. Mikael Lindgren, MS Applied Physics and electronics, PhD Chemical Physics, Prof Applied Physics (Optics) and Biophysics (spectroscopy)
23. Willy Nerdal, Professor of Chemistry, University of Bergen
24. Johannes Oraug, Landscape Architect, Researcher for 11 years at the Norwegian Institute for Urban and Regional Research
25. Egil Pedersen, Dr. Eng. and Professor of Technology at UiT The Arctic University of Norway
26. Elen Roaldset, Emeritus Professor in Geology, University of Oslo, Former Director of Natural History Museum Oslo, Professor at Norwegian University of Science and Technology
27. Ulf Torgny Rock, Master of Chemical Engineering, Norsk Hydro
28. Håkon Gunnar Rueslåtten, Geological Researcher, Trondheim
29. Tom V. Segalstad, Associate Professor Emeritus of Geochemistry, University of Oslo
30. Einar Sletten PhD, Professor in the Dept of Chemistry, University of Bergen
31. 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
2. Herman Manalo Bognot, MA in Philosophy, Assistant Professor, Department of European Languages, University of the Philippines Diliman



### 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. José Araújo, Environmental Engineer, Airline Pilot
3. Rui Cruz, Pharmaceutical Development Scientist, PhD In Chemical and Biological Engineering (Material Science Focus for Solar Energy Applications)
4. Pieter IJzerman, entrepreneur in modern energy solutions and electric mobility
5. J.M.S. Martins, retired agrarian researcher
6. Pamela Matlack-Klein, Member of Portuguese Sea Level Project, USA
7. J. L. Pinto de Sá, PhD in Electrical and Computers Engineering, Professor of Power Systems (Electrical and Computers Engineering), Instituto Superior Técnico, Lisbon
8. Dr. Peter Stallinga, Professor Associado com Agregação, Universidade do Algarve, Portugal, Faculty of Sciences and Technology, Department of Electronic Engineering and Informatics
9. João Tilly, Mechanical Engineer and Maths teacher



### 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 PhD Physics, Associate Professor with extensive experience in the physics of energy conversion and the related technologies
  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
11. Jacques Theron, Retired Veterinarian

12. Geert F de Vries, Retired physicist / nuclear engineer



## 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. Bernardo Armero, Engineer and Project Leader within Clean Aviation
3. Raquel Barquero, PhD, lifetime career as nuclear engineer and medical physicist in Valladolid University Clinical Hospital
4. Dr. Saúl Blanco, Associate Professor of Ecology at the University of León
5. Ferran Brunet, Professor on the European Economy, Unniversitat Autònoma de Barcelona
6. Aitor Ercilla, climate historian and computer scientist. Researches the importance of climate change in social processes
7. 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.
8. Juan Miguel Gómez - Menor Robles, PhD in Biology (Botany), High School Head of Department
9. José Carlos Gonzàlez Hidalgo, Professor of Physical Geography, teaching more than 20 years on Climatology and doing Research on the Topic, University of Zaragoza, Dep. Geografia
10. Antonio J. Huertas, Engineer with 35 years experience in Energy Politics and Operation, and Environmental Care
11. Jose Manuel Miranda Lopez, PhD, Professor at the University Santiago de Compostela, Department of Analytical Chemistry, Nutrition and Bromatology
12. Isabel López García PhD on Chemical Engineering, Assistant Professor of Physical Chemistry and applied Thermodynamics , University of Córdoba
13. Alexander Keith Martin PhD Geology and Geophysics, Consultant geologist
14. 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
15. 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
16. Alejandro Rodríguez-Gómez, Associate Professor, Universitat Politècnica de Catalunya, Barcelona
17. Manuel Jesús Romero Rincón, PhD Civil Engineering, Professor at Miguel Hernández University of Elche, Spain CEO at ETRES Consultores
18. Manuel M. Sánchez del Pino, PhD, Department of Biochemistry and Molecular Biology, University of Valencia
19. Javier del Valle, Doctor in Climatology, Professor a Centro Universitario de la Defensa
20. Javier Vinós PhD, Scientist and independent climate researcher
21. 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
3. Andrew P Cullen, Ph.D Geography



## 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. Tom Agbabi PhD, Professional engineer in the energy industry
3. Colin Andress, BSc Physics, MSc Astrophysics, MA (Oxon) Classics & Philosophy, Barrister, Fellow of the Royal Astronomical Society
4. Neils C. Arveschoug, Geophysicist, Private start-up Oil E&P Company
5. Nigel Banks PhD Geology, Petroleum Geologist
6. Andrew P. Barker, Biological Chemist
7. John Anthony Barney, Retired Scientist and Technologist
8. Nik Bartley, Mechanical Engineer
9. Nigel Beckwith, professional graduate Podiatrist, Post Grad. in Sports Science, Post Grad. in Science Education

10. Alan Richard Belk, retired Mechanical Engineer with a 40+ year international career in energy, industrial gas and chemical industries
11. Roshan Bhunoo, Mathematics and Statistics, former Climate Data Analyst at the Meteorological Office
12. Paul Binns, Former Research Geoscientist and Climate Researcher
13. David Blake, BSc Applied Chemistry, Chair of East College Group & CME Futures Trader
14. David Bodecott, Geologist/Geophysicist, Fellow of the Geological Society of London
15. Dr. Richard Booth, retired Special Merit mathematician in the UK Civil Service
16. D.Q. Bowen, Emeritus Professor of Earth and Ocean Sciences, Fellow International Union for Quaternary Research, Cardiff University
17. Dr Phillip A. W. Bratby, Physicist, Member of the Institute of Nuclear Engineers, retired energy consultant
18. Michael Brown, Expert in Large Scale Thermal Fluid Dynamic Models
19. Paul Burgess, BSc, MSc, C.eng returns, Retired water resources engineer
20. Derrick Byford BSc (Hons) holder of 10 patents, previously Deputy Director Research & Statistics Inner London Education Authority
21. Gerry Byron BSc in Physics, MBA which included modules on statistical analysis
22. Peter Cale, Solicitor, co founder and fund raiser for wave energy research project as Director of Staithe Energy Products (1988 1995)
23. George Carey, BSc Hons. Physics and Geology, Lifetime Physics teacher and amateur astronomer
24. Brian R. Catt, Physicist, Electrical Engineer, Retired, publishing papers on Energy and Climate Change
25. Richard Ceen, BSc Physical Oceanography with Physics, entrepreneur/engineer in Marine LNG Safety and Weather forecast dependent Optimising Voyage Control Systems
26. Arthur Champion, retired European Environmental Coordinator and CofE Diocesan Environmental Adviser
27. John Church, Earth Science Professional, Retired from Energy Sector
28. 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"
29. John C.W. Cope, Professor of Geology, National Museum Wales, Cardiff
30. Douglas Cormack, BSc (First Class Honours) in chemistry with subsidiary physics, mathematics and microbiology, Ph.D in physical chemistry, Lifetime career the UK Scientific Civil Service, Independent Consultant, Founder of the website "The campaign against belief consensus".
31. Richard Courtney, Retired Material Scientist, Expert Peer Reviewer of the IPCC
32. Chas Cowie, GDE Mining Engineering, Wits University, Retired IT Professional worked primarily in Mining and Logistics Industries
33. Dr. David Critchley, Senior Clinical Pharmacologist, mathematical modelling of complex systems
34. Michael Cross, Chemical Engineer
35. Peter Cunningham, Expert in Mathematical Modelling of Complex Physical Phenomena
36. Isabel Davies, Geophysicist and Entrepreneur
37. Dr Philip George Davies, Principal Lecturer in the Department of Computing and Informatics at Bournemouth University
38. Robert Davies BSc Airline pilot
39. Dr. Keith P. Dawson, Environmental and Agricultural Researcher
40. Jeremy Dawson, retired Chartered Engineer with a career in the oil and gas industries
41. 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
42. Howard Dewhirst FGS, Geologist, Initiator Open Letter to the Geological Society of London
43. James Dillon BSc Physics, DPhil Nuclear Physics, Former research physicist
44. Gregor Dixon FGS, Geologist, Former Member Geological Society of London
45. Peter Dorey BSc Physics, Senior Project Manager, (and unpaid educator & Climate Scientist)
46. Timothy (Tim) C. Duckworth, Retired Mechanical Engineer in the Oil & Gas industry, Senior Auditor in Management/Facility/HSE

47. Dr. Michael Earle, international earth scientist, energy professional, author
48. Dr. John S. Easterby, Retired Senior Lecturer in Biochemistry University of Liverpool, Research area: Protein chemistry, Enzymology, Metabolic Modelling
49. Roderick Paul Eaton, MBA FIET MCMI, Retired Consultant Energy Industry Analyst/ Management Consultant
50. Debra Eddy, Entrepreneur and Guest Lecturer in Business Management
51. 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
52. Peter Etherington-Smith, Geologist/Oceanographer, Coral Reef Researcher, MSc Petroleum Engineering (Imperial), life-time international experience in developing countries, retired from BG
53. Kevin Foo MSc, DIC, Dip. Met, AusIMM, IOM3, SME, Ch.Eng., President Tianshan Jade (UK) Ltd
54. Ashley Francis, BSc, FRAS, Geophysicist with expertise in forward and inverse modelling, stochastic modelling and resolution/scale change impacts
55. Sean Galbally, Project Manager Water and Wastewater Systems
56. Kalghatgi Gauram PhD Aeronautical Engineering, Consultant Professor, 50 Years' experience in R&D in combustion, fuels and energy
57. Gil Gilchrist, Geophysicist
58. Alan Gill, Retired Engineer in South Wales
59. Peter Gill, Physicist, Ex Chair Institute of Physics Energy Group, Ex London Branch Chair & Fellow of EI
60. Paul R. Goddard, retired Professor of Radiology, University of the West of England
61. John D. Goss-Custard PhD Ecology, University of Aberdeen, Visiting Professor in the Department of Life and Environmental Sciences, Bournemouth University
62. Alastair Gray, retired geologist, 50 years in oil exploration, production and asset evaluation
63. Delphine Gray-Fisk, Former airline pilot, and parliamentary candidate for both the UK Independence Party and Brexit Party
64. 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
65. 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
66. 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
67. Jimmy Haigh, Independent Geological Consultant
68. 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
69. David Hardy, Business Owner, Director and Experienced Chemical Engineer. 20+ years in Energy technology development including removal of pollution from conventional fossil fuel power sources
70. Tim Harper, Geomechanics Consultant and Researcher, previous Recipient of the Royal Academy of Engineering MacRobert Award for Engineering Innovation
71. John Harrison, Former Chartered Physicist and Chartered Engineer
72. Ken Harrison, Retired Chartered Physicist
73. Peter Harvey, Project Manager – Renewable offshore wind industry
74. Raymond Hayes, BA (Lond) M.Litt (Oxon) FRGS Solicitor Hong Kong and England and Wales
75. Robert Heath, Retired Geophysicist, Honorary member of the Indian Society of Petroleum Geologists
76. Alex Henney, Formerly London Electricity Board, Consultant on Electricity Matters
77. Roger Higgs, DPhil (Oxon), Independent Geological Consultant, Geoclastica Ltd.
78. Tatiane Melchior Stefanello Hodson, Oceanographer, author, undertaking a Master's degree in International Public Policy at Queen Mary University of London
79. Dr Sinclair Holland, MBChB(Edin) Medical Doctor
80. Paul Homewood, Climate & Energy Policy Analyst
81. Keith H. James PhD, Consultant Geologist
82. Anthony Janio PhD in Physics, Independent Elected Councillor in Brighton and Hove
83. David A.L. Jenkins, Geologist, Director Hurricane Energy plc

84. Dr. Chris Jesshope, Emeritus Professor University of Amsterdam, Director Techne Consulting Ltd.
85. David Jessop C.Eng., M.I.C.E., lifetime career in the water industry
86. Robert Jones, BSc and PhD Mining Engineering, Director at Warwick Energy
87. Stephen Latimer Jones BA Chemistry, IT professional
88. Zana Juppenlatz, Consultant in environment, environmental law and sustainability, including renewable energy projects
89. John L.D. Kerr B.A. (Hons) in Environmental Science & Technology; B.Sc. (Hons) in Chemistry, active as Environmental Consultant
90. Stephen King, Experienced technically trained chemical engineer with experience in environmental consideration of major petrochemical projects, including technical and economic aspects
91. David A. Kirkwood MSc MIET, Professional engineer working in IT, Deputy Chairman of Reform UK Scotland
92. Geoffrey W. Lane, retired Marine Engineer and Technical Author
93. Eur.Ing. Dr Colin L Leci , CO2 and Environmental Specialist
94. Roger Longstaff, Experimental Space Physicist and Company Director
95. Anthony Lowe BSc Hons Polymer Chemistry and Physics, Consultant Polymer Solutions
96. Peter Justin Lunt MSc Geology London, adjunct lecturer in geology (stratigraphy) at Universiti Teknologi Petronas and Shandong University of Science and Technology (SDUST) Qiangdao
97. Tom Mackay BSc, Geologist, Fellow of the Geological Society (FGS) of London
98. Chris MacKenzie MSc, Director and Geological & Environmental Consultant at Peak Minerals Ltd.
99. Stephen Martin, retired exploration geophysicist
100. CJ Matchatte-Downes, Geologist and Geochemist, particularly involved in studies about past Climates including Glaciation
101. 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
102. Dr. Niall McCrae PhD in Mental Health
103. Angela McKay, retd Mechanical Engineer in Turbine Generator Industry. Retd Head of Physics St Mary's 6th Form College, Lancashire
104. 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
105. Geoffrey Middleton, Chartered Architect, Social Science
106. Terence Mordaunt, Accomplished businessman, Self taught climate scientist mentored by Professor David Bellamy
107. Dr. William Morgan, Retired Clinician
108. Dr Ian Mortimore BSc, Phd, MB, BS, FRCP, retired Consultant Respiratory Physician in the NHS with research affiliations to Edinburgh and Newcastle Universities
109. Philip Mulholland, Geoscientist, Life time experience in the Geo-Energy Industry, co-author of the DAET climate model
110. Stuart Munro, Exploration Geologist and Geophysicist
111. Edward Nealon, Geologist Member of the Australian Institute of Mining & Metallurgy
112. Alex Nichols, BSc Geography, MSc Environmental Assessment, 27 years in sustainability consultancy, programmes and projects
113. Blair Nimmo, Electronic Engineer, working in Computer Networking and Optical Surface Metrology and Fibre Optics
114. Gerard O'Donovan, Entrepreneur, Business Owner, career in building international and multinational organisations
115. AB O'Rourke, journalist climate change
116. Michael John Oates, Geologist, Lifetime Experience in the Geo-Energy Industry, Fellow of the Geological Society of London
117. Peter Owen FGS, Fellow of the Geological Society of London
118. Jonathan R. Partington, Emeritus Professor of Mathematics, University of Leeds
119. Dennis Paterson, Geologist, Retired
120. Dr. James Petch, Physical Geographer, formerly Reader in Environmental Science at MMU and Head of Distributed Learning at the University of Manchester

121. Peter Phillips BSc Hons Mechanical Engineering, lifetime experience in the geo-energy industry
122. Graeme Phipps, geologist and geophysicist, Jersey Channel Islands
123. Dr. James Pindell, Geologist, specialised in plate tectonics and palaeographic evolution, Director of Tectonic Analysis Ltd (UK), Adjunct Professor at Rice University (USA)
124. Gerry A. Quinn, Research Scientist, Ulster University, lifetime career in microbiology, biochemistry and environmentalism
125. Clive Randle, Geologist, Fellow of the Geological Society of London
126. Michael J. Rath, Professional Forrester
127. 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)
128. Dr. Colin Richard Reeves, Emeritus Professor of Operational Research, Expert in Mathematical Modelling
129. Ceri Reid, PhD Electrical and Electronic Engineering, Sonar Specialist
130. Chris Rice, BEng(Hons) Engineering & Environmental Science
131. Steven Andrew Richards MSc, Retired Chartered Engineer, Retired Lecturer from Portsmouth University and Southampton Solent University
132. Michael F. Ridd, Geologist, Fellow of the Geological Society of London
133. Philip Risby, BSc Engineering, Retired environmental consultant, patent holder
134. Anthony Robb PhD, Retired Chemist
135. Salmaan Saleem, Family Medicine Doctor
136. José Sánchez-Morales, Doctor in Geology, analysing paleoclimate cycles and software expert
137. Richard Saumarez, Biomedical Engineer from Imperial College
138. Charles Savage, BA, BSc, MA (Oxon.) in Chemistry, CEO of CP Pharmaceuticals (Retired)
139. Robert M. Schneider MSCE, retired Civil Engineer
140. Michael Seymour, Geologist, Fellow of the Geological Society of London
141. Mike Sluman, Retired teacher with an honours Degree in Environmental Biology
142. Dr. Ian Smith, MSc Maritime Archaeology, PhD Chemistry
143. Mike Stigwood, Environmental Researcher
144. 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
145. Leslie Thomson, Retired Vice President Operations, BP Exploration, Aberdeen
146. Derek Tipp, BSc honours degree in chemistry, former research chemist and retired science teacher, currently councillor on New Forest District Council
147. David Todd, retired Associate Member of the Institute of Bankers, Post Graduate Certificate in Business and Management
148. Edwin Thwaites, Retired Principal Lecturer in Organisational Analysis and Crisis Management, University of Central Lancashire, Predton
149. Paolo Emilio Trevisanutto PhD in Physics, Senior Computational Researcher in Condensed Matter Physics and 2D Materials and Physical Chemistry
150. Neil Upton, Retired GP UK
151. Matthew D. Waggener, Financial professional, strategic consultant on business investments
152. Dr. Glenn K. Wakley, Emeritus Associate Professor Biological Science, Fellow of the Royal Society of Biology and member of The Anatomical Society
153. Professor David Wastell, Emeritus Professor of Information Systems at the University of Nottingham
154. Philip Linden Wilkes, Life time Experience in Marine Biology
155. Jay Willis, Marine Scientist, Associate of the OxNav Group of Oxford University
156. Paul White, BSc Physics, Durham University, Retired, Former Higher Scientific Officer Marine Climatology
157. Matt Wood, BSc in Metallurgy & Materials Science, Retired Airline Pilot, Patent holder
158. Alison (Tetteh) Wright, BSc MSc. Systems Engineer, Energy Policy, Sustainable Development policy. Citizen publishing due diligence reports to expose widespread synthetic identity fraud which has corrupted our systems of distribution, finance and governance

159. Valentina Zharkova, Professor of Mathematics and Astrophysics, Northumbria University, Newcastle upon Tyne
160. 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. Paul Berrick Abramson, PhD. in Theoretical (Solid State) Physics, Juris Doctor, Registered Professional Nuclear Engineer
5. 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
6. Ralph B. Alexander, Emeritus Professor of Physics, Science Writer
7. Lincoln F. Anderson, Macroeconomist and Econometric Model Development
8. Michael Anderson, BS Chemical Engineering, PhD Information Science, writes about contemporary American politics, including global warming
9. Michael Antonetti P.G., Professional geologist for 35+ years in Pennsylvania with Ms in glacial geomorphology
10. Anthony J. Armini, Retired Founder and CEO Implant Sciences Corp.
11. Bob Armstrong, MS , mathematical psychophysics
12. Nicholas D Ashcraft, Materials Science and Engineering, Wright State University. Lifetime career in the oil and gas industry
13. Dr. Malgorzata Askanas, Senior R&D Associate at the Aurora Biophysics Research Institute
14. Hans-Peter Bähr, Emeritus Professor of Pharmacology, Canada and Former Dean of Basic Medical Sciences, American University of Barbados, Barbados
15. Dr. George Baker, Emeritus Professor, Applied Science, James Madison University
16. Jeffrey Baldwin, petrophysicist and rock physicist specialist
17. 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
18. Donna Barr, lifetime career as investigative journalist worldwide
19. Bryan Barrilleaux, MD, Physician of Internal Medicine
20. 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*
21. 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
22. Charles G. Battig, Climate Adviser, Heartland Institute
23. Eric Baum PhD in Theoretical Physics, Princeton University
24. Trenin Bayless, PhD in Materials Science, Post-doctoral research in metallurgy, Masters degree in Biomedical Engineering
25. Scott Beattie, Juris Doctor Degree (Law), studied history of science for 25 years and climate science for ten years
26. James Beilman, ASBOG Licensed Environmental Geologist
27. 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
28. Larry Bell, Endowed Professor of Space Architecture, University of Houston
29. Frank X. Bellini, Geologist and Environmental Scientist, lifetime experience in the nuclear power industry
30. Dr. Shmuel Ben-Shmuel PhD in Aerospace & Mechanical Engineering, retired aerospace engineer, worked on the Space Shuttle, doing Computational Fluid Dynamics simulations
31. David J. Benard, Chemical Physicist & Co-inventor of the Oxygen-iodine Chemical Laser

32. Haym Benaroya, Distinguished Professor of Mechanical and Aerospace Engineering, Rutgers University
33. Robin Bernhoft, MD, FACS, FAAEM, retired liver and pancreatic surgeon, retired clinical toxicologist, author of 3 books, 28 peer-reviewed papers
34. Edward X. Berry PhD, Atmospheric Physicist, American Meteorological Society, Author, Climate Physics LLC
35. Ronald Berti, lifetime career in the semiconductor industry
36. Brent J. Bielema, studied Economics at Northern Illinois University, professional nutritional counselor
37. 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
38. Jared L. Black, Numerical Analysis Consultant, ScD
39. 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
40. Elliott D. Bloom, Emeritus Professor of Particle Physics and Astrophysics, KIPAC-SLAG, Stanford University
41. David Boleneus, Professional Geologist
42. Daniel Botkin, Emeritus Professor of Biology, Climate Researcher, Author of the Book: Twenty-five Myths That Are Destroying the Environment
43. Robert L. Bradley jr., CEO and Founder of the Institute for Energy Research
44. David D. Brand, PhD Biology, Immunology and Biochemistry Scientist since the early 1990's
45. Donald Bretches, PhD Physical Organic Chemistry
46. Dr. William Briggs, Alumnus Cornell University, Writer and Philosopher
47. Daniel Brimhall, MS Extractive Metallurgy, University of Utah, retired Vice President Operations, American Chemet, East Helena, MT, now active as consultant
48. Clare Livingston (Bud) Bromley III, BS Natural Sciences, scientific instruments executive
49. Joel M.G. Brown, retired petroleum engineer
50. Dr. Larry Frank Brown PhD in Range Plant Ecology (Ecophysiology) from Colorado State University (1974), President of L.F. Brown & Assoc. Inc.
51. James Brucher, technology and business consultant for over 30-years in the telecommunications, transportation, aerospace, software, defense, manufacturing, and biotechnology industries
52. Gerald Brunetto, Retired after lifetime career in engineering & building nuclear & fossil fuel fired steam power plants
53. Clifford Brust, Director of Engineering at Defense Engineering Corporation
54. James W. Buell PhD, Aquatic Biologist, Consultant
55. Robert Bugiada, Senior Process Engineer at R.C. Costello & Assoc. Inc
56. Frits Buningh, Data Research Specialist
57. Lior M. Burko, PhD, Theoretical Physicist
58. 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
59. David Burton, System and Computer Scientist, Expert Reviewer of AR5 and AR6, Member of the CO2 Coalition, and Creator of the SeaLevel.info website
60. Mark Shane Butler, MA in mathematics, lifetime career in data science
61. 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
62. Ron Cakebread, mechanical engineer with 35 years in the industrial automation business; experience in modeling, simulation, and analysis of very complex systems
63. Sharon R. Camp PhD, Retired Analytical Chemist and Environmental Scientist
64. Nick Capaldi PhD, Author Books on Logic, the Scientific Method and the Philosophy of Science
65. 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
66. John Carr, Electronic Engineer, specialised in antenna and satellite installations

67. Marion G. Ceruti PhD Chemistry, Retired Research Scientist, Space and Naval Warfare Systems Center Pacific
68. Dr. Francis Cheng, Professor of Chemistry with specialties in carbon materials, batteries and energy conversion, University of Idaho
69. Mitchell R. Childress, Archaeologist and Cultural Resource Environmental Compliance Specialist, Commonwealth Heritage Group
70. Prof. Krishnan Chittur, emeritus-professor in chemical engineering and biotech, Univ of Alabama Huntsville, cofounder of medical diagnostics startup (genecapture)
71. Terigi Ciccone, Engineer, author of "A Hitchhiker's Journey Through Climate Change," and a proud former Sierra Club member
72. 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
73. Roy Clark, Climate Researcher, Retired Engineer, California
74. 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
75. Dr. Richard Collingham PhD in Engineering, Professor for 16 years teaching Graduate Level Heat Transfer and Fluid flow courses
76. Sabin W. Colton PhD, Biochemist and Marine Biologist
77. David Collum, PhD in Chemistry, Professor of Chemistry (organic/organometallic chemistry)
78. Michael B. Combs, Major, US Air Force, Retired; Retired Lockheed Missiles and Space Company Environmental Protection Auditor
79. Gary Cooke MSc Geophysical Sciences, Laboratory analyst and manager, studied sea level curves since the 1980s
80. George Copeland, PhD, Electrical Engineering, Computer Architect, Software Architect, Physicist, retired
81. Martin Cornell, Retired Senior Scientist, Dow Chemical Company
82. David T. Cramer, MS, Instructor of Sociology and Psychology, Pratt Community College
83. 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
84. John Curtin Msc in Economics, lifetime experience in strategic planning and forecasting
85. 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
86. Raphael D'Alonzo, Analytical Chemist, Retired Associate Director, the Proctor & Gamble Company
87. Stephen R. Dartt, Retired from 19 years of Chemical Engineering and from 24 years of Teaching Mathematics, Physics, Chemistry & Applied Statistics
88. George Davey, Physicist, University of Iowa
89. Donn Dears, GE Company Engineer, and Senior Executive, Retired, Author of 'Net-zero Carbon, The Climate Policy Destroying America'
90. Ken DeGraaf, MSc Engineering Mechanics, Structural Dynamics, Colorado House of Representatives, USAF pilot, Instructor: USAFA AP Calc; weather for pilots, Environmental Manager, Michigan ANG
91. James DeMeo PhD, Retired Expert in Earth and Atmospheric Science, Oregon
92. David Deming, Professor of Arts & Sciences, University of Oklahoma
93. Maaneli Derakhshani, Ph.D in theoretical physics and philosophy of physics, Postdoctoral researcher in theoretical physics and philosophy of physics at Rutgers University--New Brunswick
94. William Robert Detzner, retired special education teacher, fighter against the continuing reduction of personal freedom
95. David Dilley MSc, Meteorologist-Climatologist-Paleoclimatologist, CEO Global Weather Oscillations Inc.
96. Robert G. Dillon, retired physician and astronomist
97. Robert G. Dodge, Attorney
98. Pedro Domingos, Emeritus Professor of Computer Science and Engineering, leading AI researcher
99. Terry Donze, BS-Geological Engineering, Lifetime Career in Geophysical Consulting
100. Michael Down, Petroleum Engineer, lifetime experience in the geo-energy industry



101. Jack D. Downing, Geologist and Geophysicist
102. Gordon A. Dressler MSc, 36-year professional career as a rocket and spacecraft propulsion engineer, awarded six patents in the field of rocket propulsion
103. Paul Driessen, Senior Policy Advisor, Committee for a Constructive Tomorrow (CFACT) and Congress of Racial Equality (CORE)
104. John Droz jr., Physicist, Founder of AWED Alliance
105. Dr. William DuBroff PhD Metallurgy, Former Director of Research Inland Steel, Former Asst. Professor Clemson University
106. John Dueker, MBA University of Houston, BSEE University of Notre Dame, 45 years of experience in environmental permit compliance
107. Murray Duffin, BScEE, MBA, former Corporate Vice President for Total Quality and Environmental Management, Retired
108. John Dale Dunn MD, JD, Lecturer Carl R. Darnall Army Medical Center, Fort Hood, Texas
109. Jack L. Edwards, AI research and development (Retired)
110. Guy Ellison, jr. Second generation oil and gas explorationist
111. Prof. James E. Enstrom PhD, MPH, FFACE, Retired UCLA Research Professor in Epidemiology, President of the Scientific Integrity Institute, Los Angeles
112. Richard G. Eramian, BA in MPhematics and physics
113. Willis Eschenbach, Generalist and Author of many (peer-reviewed) critical Climate Articles with numerous Citations
114. Vincent Esposito, Adjunct Professor University of Pittsburg, PA, Doctor of Science in Nuclear Engineering (Un. FoViginia), Retired Manager fromWestinghouse Electric Company
115. Douglas Fairbent, Retired Physicist trained in Condensed Matter Theory, PhD (Physics), University of Michigan, 1978
116. Peter Farrell, Fellow of the US National Academy of Engineering
117. Ralph English Fisler, Professional Aerospace Engineer
118. 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
119. Rex Fleming, Research Scientist, Author of Book on Carbon Dioxide Fallacy, Retired President Global Aerospace
120. Jim Folcik, Geosciences Manager Extraction Oil & Gas
121. William Foley, BS and MS in Geology, University of Kentucky, 30 plus years in the energy industry, including experience in uncertainty and probability analysis
122. James Forensky B.S.E.E. , M.D. Retired Engineer and Physician
123. 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
124. Dr. Neil Frank, Lifetime of Experience in Research and Forecasting in Tropical Meteorology, Former Director National Hurricane Center
125. Patrick Frank PhD, SLAC National Accelerator Laboratory, Stanford University
126. Gary E. Freeman, PhD, Water Resources, President, River Research & Design, Inc
127. Robert S. (Steve) Friberg, Trend Resources LLC, Resources Exploration Geologist with +55 years of experience in the geological sciences field
128. Gordon J. Fulks, Astrophysicist, Board of Directors CO2 Coalition, Co-founder Global Warming Realists
129. S. Fuller Hunt, Biology Teacher at Preparatory High School of Mathematics, Science, Technology and Careers, Calabash, North Carolina
130. Lynn Warren Funk, accelerator physicist, climate realist
131. Terry Gannon, Physicist, Retired Semiconductor Executive
132. 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)
133. Louis Genevie PhD, Epidemiologist, [www.LitStrat.com](http://www.LitStrat.com)
134. Nicholas De Gennaro PhD, PE, Coastal Engineer, Southport North Carolina
135. 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

136. Ulrich H. Gerlach, Professor of Mathematics, Ohio State University
137. 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
138. Thomas A. Gilliam PhD, Professor of Accounting, Retired
139. Alan Glabe PhD Organic Chemistry, University of California, Retired
140. Dr. William Glassco, PhD in Medicinal Chemistry, former researcher, currently Instructor
141. Curtis Fred Goddard, Retired Geologist
142. 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)
143. Dr. J.D. Gold, lifetime experience in Clinical Psychology; worked in the frontlines of the war against the madness of terrifying people
144. 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
145. Derek Gordon, CEO HTS Engineering
146. Timothy W. Gordon, Retired USAF/USN Veteran, Independent Researcher
147. Steve Goreham, Executive Director, Climate Science Coalition of America
148. Laurence I. Gould, Professor of Physics, University of Hartford, Past Chair, New England Section of the American Physical Society
149. Ronald Graham, Retired Scientist in Physics, Chemistry and Complex Modeling
150. Jim Granato, Dean of the Hobby School of Public Affairs, University of Houston, lifetime career in research methodology
151. William Griffin, Staff Oceanographer US Naval Forces Korea
152. Charles F. Gritzner PhD, Professor Emeritus of Geography, author of the book "Changing Climates" (2010)
153. Mike Gruntman, Professor of Astronautics, Space Physics and Space Technology, Space and Rocket History University of Southern California
154. Thomas Gyorog, P.E., Project Manager and Designer of transportation infrastructure projects
155. 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
156. Kent Halac, BS Mechanical Engineering, Masters Nuclear Engineering, Executive Masters of Technology Management, Commercial Nuclear Power (Carbon Free Energy)
157. Stephen Hallin, Retired from Atmospheric Science (BA 81 MS 91)
158. Dale B. Halling, BSEE, MS Physics, JD, Retire Patent Attorney
159. Lyle W. Hancock, Professional Mathematician
160. Kip Hansen, Independent Science Research Journalist
161. Dr. William Happer, Professor Emeritus in the Department of Physics at Princeton University
162. Brett T. Harding, Materials Scientist in Sustainable Technology, over 20 granted patents in nanoceramics, OLED, photocatalyst, optical devices, and related materials
163. Steven Harford PhD chemistry and lifetime career in renewable energy and aerospace research
164. Richard Harris PhD atmospheric physics and chemistry as applied to radiation transport modeling, laser propagation, high power microwave propagation
165. Ilana Harrus, PhD Physics, MS In Information Systems, Former Senior Research Scientist Senior Research Scientist NASA Goddard Space Flight Center
166. Korbi Hart, Marketing Director Inland Crude Purchasing
167. Peter J. Hatgelakas, Masters in Petroleum Engineering, petroleum geologist, geophysicist, and petroleum engineer at Hatgelakas Consulting
168. Bryan Haycock PhD, Adjunct Faculty at a University in the state of Utah
169. Howard C. Hayden, Emeritus Professor of Physics, University of Connecticut
170. David Heald, Retired Electrical Engineer

171. Donald R. Healy, BS Degree in Forest Management from Oregon State University, Participated in Anthony Watts' first Surface Station Project
172. 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
- 173. Tony Heller, Geologist, electrical engineer, climate communicator at [realclimatescience.com](http://realclimatescience.com) 1500th signee**
174. Edward G. Helmig, Environmental Engineering Professional in the field of Industrial Water Treatment and Environmental Protection
175. Oliver Hemmers, Retired Executive Director of the Harry Reid Center at the University of Nevada, Las Vegas
176. James D. Henry, Consulting Geologist, BS Geology, U Texas Austin, 1970, founder of Old Aulacogen, L.P. in 1991
177. Glenn C. Hillam, Big Data Architect/Scientist
178. 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)
179. Aaron Hogue, PhD, Associate Professor, Department of Biological Sciences, Salisbury University
180. Jim Hollingworth, Social Scientist, Book: 'Climate Change: A Convenient Truth'
181. Dr. Gary M. Hoover, Geophysicist, Lifetime Experience in the Geo-Energy Industry, Retired Member Board of Directors Geo-Service Company
182. Christopher Paul Horger, lifetime experience in optical network design
183. Jerry C Hornbuckle, Retired Rocket Scientist
184. 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
185. Captain Thomas C. Houghton USNR (Rtd), Qualified Nuclear Engineering Officer; Sr. Director, Reactor Programs, Nuclear Energy Institute
186. J. Stephen Huebner PhD, Retired Research Geologist, U.S. Geological Survey
187. Edward Huff PhD, Retired NASA Senior Scientist
188. John Hunt, MD, pediatrician, former tenured Associate Professor of Pediatrics, medical missionary with an extensive academic career, patent holder, and writer about contamination of science by politics
189. Richard W. Hurst, PhD, Emeritus Professor of Forensic Environmental Geochemistry and Planetary Sciences, California State University, Los Angeles
190. Kanzan Inoue, MS & PhD in Physics, President & Physicist of Exponential Future LLC
191. Gamaliel Isaac, PhD, Retired senior software engineer of the Department of Radiology of the Hospital of the University of Pennsylvania
192. Dr. William D. Ivers, PhD Scripps Oceanography, ocean current computer modeler, software designer, entrepreneur, economist, artificial intelligence innovator
193. Jim Janota, Developing and improving petroleum based Chemicals, Plastics and applications
194. James Jaskie, Career in renewable energy, over 50 patents in solar cells and other solid-state devices
195. Laurence N. Johnson, Lt Col, USAF (Ret), MS in meteorology, MSE in aerospace engineering
196. Randy S. Johnson, Retired VP of Engineering and Geoscience Technology at two Fortune 500 independent oil companies
197. Stephen Albert Johnston, BS Molecular Biology, Phd Genetics, Phd Plant Breeding/ Genetics, Postdoc Biochemistry, CEO, CSO Inventor
198. John Joyce, Climate Narrative Challenger
199. Walter Kailey, BA Physics with Honors, PhD Astronomy, Physicist, Inventor and high performance Computing Specialist
200. Dr. Thomas J. Karr, PhD physicist, Retired Principal Director in the U. S. Office of the Undersecretary of Defense for Research & Engineering
201. James Kelly PhD Physics, data science executive
202. Kathryn E. Kelly, President Delta Toxicology
203. Kerry Kelly, Geology degree. Energy and Environment Professional
204. Michael L. Kelly, US Navy, BS, Tool Design Engineer (retired)
205. Hugh Kendrick PhD, Retired Director Plans and Analysis, Office of Nuclear Reactor Research, US Dept. of Energy, Fellow American Physical Society

206. Robert Kernodle, independent researcher in public health issues
207. Kevin T. Kilty, Adjunct Prof. Mechanical Engineering at University of Wyoming
208. Fred Kinsley, Retired Geologist (MSc)
209. Kevin Kirchman, Editor of the Climate Science Journal, more than a decade in renewable energy engineering
210. Floyd Lee Knapp BSc, Portland State University, 300 level Geography and Climatology
211. Stephen C. Knowles, Marine Scientist and Geologist, Beacon, New York
212. Kenneth D. Kok, retired Nuclear Engineer, ASME Fellow, Past Chair of the ASME Nuclear Engineering Division and the ASME Energy Committee
213. Mark Konya, B.S. Ed. Mathematics, B.S. Physics, M.S. Nuclear Engineering, M.A. Physics
214. Alex Kozinski, Retired Judge on the US Court of Appeals
215. Wayne P. Kraus, Member American Institute of Chemical Engineers (AIChE)
216. Kirk Laird, retired. Oceanographer and Meteorologist (US Navy), Geologist with US Bureau of Land Management
217. Richard B. Lambert, Jr., Retired Program Director, Physical Oceanography: NSF Manager, climate-related international ocean programs. Tropical Ocean/Global Atmosphere (TOGA), and World Ocean Circulation Experiment
218. Donald Langmuir, PhD, Emeritus Professor of Geochemistry, Depts. of Chemistry and Geochemistry, and Environmental Sciences, Colorado School of Mines. Consultant and President of Hydrochem Systems Corp
219. Dirk van Leenen, Doctorate in Horticulture, Author of 5 books latest title: The Nonsense of Global Warming and Climate Change
220. 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
221. Jay Lehr † PhD, Senior Policy Analyst for the International Climate Science Coalition, Former Science Director of the Heartland Institute
222. David P. Lentini, Chemist and Patent Attorney, New Hampshire
223. Dr. David H. Lester, PhD in Chemical Engineering, Advisor to allaboutenergy.net
224. James M. Leverentz, Instructor UCI, Manager, California
225. Ulf Lindqwister, PhD theoretical particle physics, Princeton University, Business executive with 30+ years of industry experience
226. Harry F. Lins, PhD, U.S. Geological Survey (Retired), Past-President, Commission for Hydrology, World Meteorological Organization
227. Ramon E. Lopez, Ph.D. in Space Physics, Distinguished Professor of Physics, The University of Texas at Arlington
228. Howard R. Lowe, Prof. Eng., Geologist
229. Ronald J. Lukas, BS-Physics, PhD-Biophysics; Founder and CEO, Molecular Matters AZ
230. Anthony R. Lupo, PhD Atmospheric Science, Professor of Atmospheric Science, University of Missouri
231. Dean Lusby, IT professional, business owner, Pennsylvania
232. James R. MacNeal, Specialty Gases Chemist
233. Frank L. Madarasz, Ph.D. (Ret) Condensed Matter Theoretical Physics
234. Jeffrey Mahn, Retired Nuclear Engineer Sandia National Laboratories (New Mexico), Member Scientists for Accurate Radiation Information (SARI), Member Nuclear Society (ANS)
235. Matt Malkan PhD, Distinguished Professor of Physics and Astronomy, UCLA
236. Michael Maller, Professor Emeritus of Mathematics, Queens College, CUNY
237. John P. Maney, Doctorate in Analytical Chemistry, career in environmental sampling, analysis and data quality
238. Wally Manheimer, Retired from the US Naval Research Lab and life fellow of APS and IEEE, Author of "Mass Delusions, how they harm sustainable energy, climate policy, fusion and fusion breeding"
239. Prof. Paul Manner MD FRCSC, Joint Replacement/Hip and Knee Arthritis, Department of Orthopaedics and Sports Medicine, University of Washington
240. James A. Marsh, Emeritus Professor of Immunology, Cornell University, Dept. of Microbiology and Immunology
241. David Martinovich, General Science Teacher, grades K-12, United States, China, and Belize
242. David Matthews, BS Meteorology and Oceanography, MS PhD Atmospheric Sciences, Manager, River Systems and Meteorology Group, Bureau of Reclamation, US Department of the Interior (Retired)

243. John Mauer PhD in Atomic and Molecular Physics, 20 years experience as a physicist, currently business owner in statistical analysis and software
244. Kirk Maxey, BS Organic Chemistry, MD, President and Founder of Cayman Chemical Inc
245. Andy May, Writer and Retired Petrophysicist
246. Donald May, BS, PhD Chemistry, Research Fellow. (Retired)
247. 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
248. William McCann PhD Seismology, lifetime career in Earthquake Hazard modeling and analysis
249. Dr. Neil J. McCarthy, Financial Consultant at N J Mc Carthy & Assoc, PhD in Organic Chemistry Cornell University
250. Craig McCluskey PhD, Physics
251. Richard McFarland, Retired NASA Physicist
252. Sean McGrew, Analytical Chemist, lifetime career in Chromatography/Mass Spectrometry, applications to semi-volatile organic compounds in the environment
253. Edward P. McMahan PhD, career in remote sensing from spacecraft, and super computing analyses of physical phenomena
254. Mark Meier PhD, Professor of Physics, University of Houston
255. Samuel Melfi, Emeritus Professor of Physics, UMBC, Retired NASA Scientist
256. Kenneth Melvin MD, Retired Professor of Medicine, Portland, Oregon
257. 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
258. 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
259. Patrick J. Michaels †, Competitive Enterprise Institute, Washington DC
260. Michelle Michot Foss PhD, fellow in energy, minerals and materials at Rice University's Baker Institute
261. Miodrag Micic, PhD Chemistry, Professor of Engineering Design Technology at Cerritos College in Norwalk, California and Life Sciences Marketing Executive
262. Edward T. Mickelson, Ph.D., Technology Transfer Professional, Oil & Gas Industry
263. Christopher J. Miller, PE, CEM, CBCP, Registered Professional Engineer for the Power and Energy Industry
264. Steven Milloy, MHS, JD, LLM, Publisher
265. Ference M. Miskolczi, Retired NASA/AS&M Senior Scientist, Foreign Associate Member of the Hungarian Academy of Sciences
266. Michael J. Mitchell, Mechanical Engineer
267. Guy K. Mitchell Jr., graduate mechanical engineer and physicist with extensive research in the field of anthropogenic global warming
268. Josh Mitteldorf, PhD, theoretical astrophysics, Independent scientist with specialty in computer modeling, Visiting scholar at MIT's Department of Earth, Atmospheric, and Planetary Sciences, Beijing's National Inst of Biological Sciences, U of Arizona Dept of Evolutionary
269. Matthias (Matt) Mixon, BBA Degree, University of Mississippi
270. Brian Moody, Former GET Specialist for SMS Equipment in Ft McMurray
271. James Moore, Commercial Fisherman, President Alaska Trawlers Association, Executive Committee Northern Southeast Regional Aquaculture Association, Board member Armstrong Keta Inc.
272. David Moore, PhD Physical Chemistry, Los Alamos Laboratory Fellow, lifetime career in molecular spectroscopy of materials at extreme conditions as well as trace detection of illicit materials
273. Michael Monce, PhD in Physics, Emeritus Professor of Physics, Astronomy, and Geophysics, Connecticut College
274. James R. Morris, Geophysical Exploration Oil & Natural Gas
275. 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
276. Steven W. Mosher, first American social scientist to conduct field research in China, exposed human rights abuses in China’s one-child policy
  277. David R. Motes, Chemical Engineer, lifelong experience in the geo-energy industry
  278. Steve Mroczkiewicz, PhD in entomology, Crop Protection Field Research Scientist, student of climate change and climate policy
  279. James F. Mundy, Retired Meteorologist
  280. Daniel W. Nebert, Emeritus Professor of Gene-Environment Science, University of Cincinnati College of Medicine and Cincinnati Children’s Hospital, Ohio
  281. Prof. Eric L. Nelson PhD, Assistant Clinical Professor, Department of Public Health Sciences, University of California
  282. Danny L. Newton, Retired from Federal Aviation Administration (FAA), Experience in Working with NOAA with respect to Experimental Weather Data Collection
  283. Richard Nicholson, MD University Of South Alabama 1988, Family Medicine
  284. Ned Nikolov PhD, Physical Scientist at the USFS Rocky Mountain Research Station in Fort Collins CO, Managing a Fire-Weather Intelligence Project
  285. Paul Noel, Research Scientist (retired)
  286. Thomas O’Connor, Member American Association of Petroleum Geologists, Washington
  287. Sidney Oldberg, BME, MSE, MSEE
  288. Kenton Oma, Retired PE Chemical Engineer, Environmental Engineering, Environmental Consultant, R&D at DOE Nuclear Facility
  289. Jane M. Orient, President of Doctors for Disaster Preparedness
  290. Tench C. Page, MSc & BSc in Geology including study of causes and effects of earth’s climatic history
  291. Steven Palmieri, MSc & PhD in Chemistry, Doctor of Osteopathic Medicine, Former Chemist & Virologist, Medical Doctor - Retired
  292. Charlie Pappis, retired Semiconductor Industry Executive
  293. Trueman D. Parish, Retired Director of Engineering Research Eastman Chemical Company
  294. Arvid Pasto PhD, Ceramics, Retired from the Oak Ridge National Laboratory, TN
  295. Chad M. Paton PhD, Associate Professor at University of Georgia
  296. 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
  297. Pawel Penczek, PhD in Physics, Retired Profesor of Biochemistry and Molecular Biology
  298. Charles W. Pennington, Senior Vice President of Engineering NAC International (Retired), Secretary, XLNT Foundation, Board of Directors
  299. Morgan P. Perry, MS, MBA, Founder and CEO of Stratus Aero, LLC an aviation technology company focusing on aerial directed energy for human betterment, patents in digital tracking technologies and aerial directed energy.
  300. 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
  301. Dr. Robert B. Phillips, retired from radio astrophysics, specialised in calibration and validation of orbital IR and visible sensors (GOESS, STSS-1 and -2)
  302. Nina Pierpont, MD, PhD. Ecology and medicine. Author, Wind Turbine Syndrome: A Report on a Natural Experiment
  303. James Richard Poirier, BS degree in Meteorology, Lifetime Career in Atmospheric Science
  304. James M. Policelli, Registered Professional Engineer
  305. Herman A. Pope, Retired Aerospace Engineer NASA-JSC
  306. Willem Post, Independent Researcher regarding Energy and Environment
  307. Darrell Potter, Retired Geologist/Environmental Hydrogeologist
  308. 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
  309. Victor Privalsky, PhD in math, PhD in physics, lifetime career in applications of theory of random processes for analysis and extrapolation of scalar and multivariate time series

310. Kenneth L. Purdy, Management Consultant, Retired Naval Officer in Operational Intelligence
311. Marisol Quintanilla, PhD, Assistant Professor of Nematology, Michigan State University
312. JiLong Rao, PhD in Geochemistry from Yale University... A retiree in Virginia
313. Brian D. Ray PhD in science education from Oregon State University, Salem
314. 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
315. Edward A. Reid, lifetime experience in the US energy industry in technical research and development, market development, marketing and consulting
316. Fred A. Reitman PhD, professional career as a petroleum and petrochemical toxicologist
317. Forrest J. Remick, Commissioner (Retired), US Nuclear Regulatory Commission
318. Dr. Douglas B. Rigby, Ph.D. in Geomechanics, B.S. in Hydrology, expertise in modeling complex phenomena under uncertainty
319. Anthony Robledo IV, MSc, Environmental Scientist, United States Environmental Protection Agency
320. David K. Rogers, PE, CEG MS, Geological Engineering, Member of the Boards of Consultants for the Federal Energy Regulatory Commission
321. Dr. Jennifer Runquist PhD from Northwestern Univ, Evanston IL related to photosynthesis
322. Marius Russo, IT expert
323. James H. Rust, Emeritus Professor of Nuclear Engineering, Georgia Institute of Technology
324. Ralph R. Sacrison MSc, lifetime career in earth sciences and engineering
325. Charles L. Sanders, Retired Radiobiologist, Author of Radiobiology and Radiation Hormesis: New Evidence and Its Implications for Medicine and Society (Springer)
326. Rick Sanders M.A., Scientists for Accuracy in Radiation Information (SARI), Associate Editor, 21st Century Science and Technology Magazine
327. Jeffrey Satinover, MD, PhD, research theoretical physicist in unpredictability of complex systems; director of a Sterling Institute neuropsychiatric facility
328. Kent Satterlee, Executive Director at Gulf Offshore Research Institute (GORI)
329. Dana H. Saylor Sr., a lifelong agriculturalist, retired, article "Living a lifetime of climate change"
330. Hans G. Schantz, PhD Physics, Principal Scientist, Geeks and Nerds Corporation, physicist, author, and inventor on over forty patents
331. John Schell, BS Marine Biology, PhD Toxicology, Toxicologist who has participated in the assessment of environmental impacts of chemical releases
332. Jesse Schilling, Certified Management Accountant
333. Mike Schimmelpfennig, Degreed Mining Engineer with more than 40 years of experience
334. Brian Schmidt, Co-Founder and Chief Visionary Officer of Primary Ocean Aquaculture division and Primary Bio Agriculture - Agriculture division
335. Harold Grant Scoggins, retired IT professional
336. John Seater, PhD, Emeritus Professor of Economics, North Carolina State University
337. Edwin T. Sewall, Retired BS Electrical Engineering, Southern Methodist University 1960 Dallas Texas
338. Mark W. Sellers, PhD Systems Science, Modeling and Analysis of Complex Systems
339. 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)
340. William M. Sharp, PhD Applied Science, Retired
341. Roscoe M. Shaw, meteorologist and portfolio manager
342. Dr. Thomas P. Sheahen, PhD in Physics at MIT, Chairman, Science & Environmental Policy Project, involved in energy-related research for 45 years
343. Dr. Roger Sheley, Ecologist, USDA-Agricultural Research Service; Editor-in-Chief of the international journal-Rangeland Ecology and Management
344. John D. Sheppard MD, MMSc, FACS, Professor of Ophthalmology, Microbiology & Immunology, Eastern Virginia Medical School
345. John Shewchuk, Meteorologist (CCM) and Atmospheric Researcher
346. Stephen W. Shipman, Institutional Investor

347. Ryan Shrou, Environmental Attorney with a Masters of Law in Environmental Law practicing in the air emissions field
348. Dr. Matthew Eric Shultz, University of Delaware, Dept. of Physics & Astronomy, specialised in Stellar Astrophysics, Annie Jump Cannon Fellow
- 349. David Siegel, author, entrepreneur, critical thinker, communicator (1000th signee)**
350. Hal Simeroth, Ph.D. in Ethics with focus on Energy Policy. As a graduate engineer, 45 years of research science and engineering with patents in geological logging instrumentation and geophysical exploration methodologies
351. Elliot Smith, airline pilot, climate realist, 30+ years of studying AGW data
352. Nicholas Smith-Sebasto, PhD, Retired Professor of Environmental and Sustainability Studies
353. Robert J. Smith, Bachelor of Physics, Aircraft test and evaluation engineer
354. Robert P. Smith PhD, P.E., Environmental Scientist and Professional Engineer'
355. 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
356. Willie Soon, Independent Scientist
357. Prof. George Sowers PhD, Space Resources, Colorado School of Mines
358. Prof. Rick Bernard Spielman, Senior Scientist & Professor of Physics, University of Rochester; Laboratory for Laser Energetics
359. Robert M. St. Louis MSc in geology, owner of Mine Water Consulting LLC
360. Kirk Douglas Stahnke, MS Educ. Prof of Design Tech (Retired), Independent Climate Researcher
361. Walter Starck PhD, Marine Science, Pioneer in Coral Reef Studies, Policy Advisor to The Heartland Institute
362. Jess L. Stark, Founder and CEO of Stark Industries, Houston, Texas
363. Doug Stearns, PE, Natural Gas Consultant
364. Jim Steele, Emeritus Director Sierra Nevada Field Campus, San Francisco State University
365. Phil Stegemoeller, Professional Forester, Partnership with the Quinault Indian Nation, a BS in forest management at the University of Minnesota, 1979
366. Ronald Stein, Professional Engineer
367. Kenneth S. Stevens PhD, Professor, University of Utah, Electrical and Computer Engineering Dept
368. Brent K. Stewart PhD, Professor Emeritus, Radiology, University of Washington School of Medicine
369. K. Paul Stoller, MD - Lifetime Fellow, American College of Hyperbaric Medicine, author of Incurable Me (Skyhorse 2016)
370. David Stubbs, MSc Physics, Sr. Research Scientist, Aerospace Materials and Nondestructive Testing, Retired
371. Gerald M. Sulzer, MS Chemical Engineer, Retired Director of Technology, Albemarle Corporation
372. Soames Summerhays, Marine Biologist, Film Maker
373. Dr. Daniel P. Taggart PhD in Experimental Plasma Physics, life time career in Controlled Thermonuclear Research and Radiation Protection at Los Alamos National Laboratory
374. Tomer D. Tamarkin, Physicist, Founder and President/CEO of Energycite Inc., President and Chairman of ClimateCite Inc.
375. Paul Taylor, Energy Economist, Recipient Rossitor Raymond Award, Golden Colorado
376. Bradley Thomas, M.A. Air Pollution Meteorology
377. David E. Thompson, Professor Emeritus Mechanical Engineering and Computer Science, Dean Emeritus College of Engineering, University of Idaho
378. Francis Thompson, Space Vehicle Engineer, Masters in General Relativity
379. Roane Thorpe, BSME California Polytechnic, MBA University of California, lifetime career in global energy projects
380. Gordon Tomb, Energy and climate writer, communications consultant, primary editor of Inconvenient Facts and Senior Advisor for the CO2 Coalition
381. Cecil Joe Tomlinson, Retired Boeing Senior Principle Engineer
382. Frank Trask, BS Degree in Mechanical Engineering, University of Maine
383. Kip Trout, Lecturer in Physics, The Pennsylvania State University – York Campus



384. Karl Michael Frederick Truitt, BSEE, IEEE, US Veteran, 6 US Patents, Climate Data Researcher, Host of the The Climate Change Hoax Podcast
385. Richard Trzupek, Chemist and Air Quality Expert
386. Mark Twaalfhoven, Executive CEO Technology Companies
387. Peter Villucci, MSc. Organic Chemistry, Lifetime science and communications professional
388. Arthur Viterito PhD, Physical Geography, Policy Adviser to the Heartland Institute
389. Dariusz Vogelsinger, Psychologist
390. Brian F. Volkman, PhD, Professor of Biochemistry, Medical College of Wisconsin
391. Whitson G. Waldo, Scientist and Engineer with MS Chemical Engineering from Clemson Univ, lifetime career in the semiconductor industry, owner of 13 awarded patents
392. William B. Walters, Guggenheim Fellow, Professor of Atmospheric, Nuclear and Environmental Chemistry, University of Maryland
393. James Wanliss, Professor of Physics, Presbyterian College
394. R. Peter Weaver, lifetime career in energy, energy policy and sustainable operations
395. Bob Webster, More than 65 years of interest in Meteorology and Climatology, Author of "Looking Out the Window", an evidence based defense of CO2 charged with being a climate change force
396. Steven E. Weismantel, Retired Engineer and Climate Researcher
397. Isaac William Wells, Lawyer in International Law and Foreign Affairs
398. Dr. Steven C. Wendelken, EPA, OGWDW/TSC, climate realist
399. Gary S. Westerman PhD, physical geography with specializations in climate science and remote sensing
400. Stephen H Westing PhD, Director Medical Affairs, Regeneron Pharmaceuticals, Inc.
401. Jim Whiting, MD from McGill U, Montreal, Fellow of the American College of Radiology
402. Chuck F. Wiese, Professional Meteorologist
403. Dr Matthew Wielicki PhD in Geochemistry from UCLA, Assistant Professor of Geological Sciences at the University of Alabama
404. Brock Williams, PhD, Lifetime research scientist with subjects from molecular to population pathology with a special interest in immunopathology and atopic disease
405. Steven Wilmoth, Certified Petroleum Geologist
406. Kevin M. Wilson, PhD in Geological Sciences, Retired, former Professor and Researcher on Plate Tectonics, Paleoclimate and Paleoceanography
407. David Wojick, Cognitive Scientist
408. Dr. Calvin M. Wolff, Adjunct Professor University of Houston at Clear Lake, Expertise in Energy Management
409. Gregory R. Wrightstone, Expert Reviewer IPCC, Geologist, Author, Member CO<sub>2</sub> Coalition
410. Walter Yarbrough, PhD, retired from Penn State
411. Frank Yates, Past President of Yates Petroleum Corporation
412. Dan Youra, publisher Youra media, creator and editor of Carbon Tax News
413. Ronald B. Zelt, Hydrologist, retired PH-WQ, U.S. Geological Survey (retired)
414. Matthew Ziska, PhD, Director of Environmental Health and Safety at Elevation Labs
415. Hannes Zuercher, PhD Geophysics, Independent Geophysicist
416. 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.lsog.nl](http://www.lsog.nl))*



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