

World Climate Declaration

THERE IS NO CLIMATE EMERGENCY



GLOBAL CLIMATE INTELLIGENCE GROUP

WWW.CLINTEL.ORG

World Climate Declaration

THERE IS NO CLIMATE EMERGENCY



GLOBAL CLIMATE INTELLIGENCE GROUP

www.clintel.org

There is no climate emergency

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

Natural as well as anthropogenic factors cause warming

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

Warming is far slower than predicted

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

Climate policy relies on inadequate models

Climate models have many shortcomings and are not remotely plausible as policy tools. They do not only exaggerate the effect of greenhouse gases, they also ignore the fact that enriching the atmosphere with CO₂ is beneficial.

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

CO₂ is not a pollutant. It is essential to all life on Earth. More CO₂ is favorable for nature, greening our planet. Additional CO₂ in the air has promoted growth in global plant biomass. It is also profitable for agriculture, increasing the yields of crops worldwide.

Global warming has not increased natural disasters

There is no statistical evidence that global warming is intensifying hurricanes, floods, droughts and suchlike natural disasters, or making them more frequent. However, there is ample evidence that CO₂-mitigation measures are as damaging as they are costly.

Climate policy must respect scientific and economic realities

There is no climate emergency. Therefore, there is no cause for panic and alarm. We strongly oppose the harmful and unrealistic net-zero CO₂ policy proposed for 2050. Go for adaptation instead of mitigation; adaptation works whatever the causes are.

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

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



The undersigned:

WCD AMBASSADORS

NOBEL LAUREATE PROFESSOR IVAR GIAEVER NORWAY/USA
PROFESSOR GUUS BERKHOUT / THE NETHERLANDS
DR. CORNELIS LE PAIR / THE NETHERLANDS
PROFESSOR REYNALD DU BERGER / FRENCH SPEAKING CANADA
BARRY BRILL / NEW ZEALAND
TERRY DUNLEAVY / NEW ZEALAND
VIV FORBES / AUSTRALIA
PROFESSOR JEFFREY FOSS / ENGLISH SPEAKING CANADA
JENS MORTON HANSEN / DENMARK
PROFESSOR LÁSZLÓ SZARKA / HUNGARY
PROFESSOR SEOK SOON PARK / SOUTH KOREA
PROFESSOR JAN-ERIK SOLHEIM / NORWAY
SOTIRIS KAMENOPOULOS / GREECE
FERDINAND MEEUS / DUTCH SPEAKING BELGIUM
PROFESSOR RICHARD LINDZEN / USA
HENRI A. MASSON / FRENCH SPEAKING BELGIUM
PROFESSOR INGEMAR NORDIN / SWEDEN
JIM O'BRIEN / REPUBLIC OF IRELAND
PROFESSOR IAN PLIMER / AUSTRALIA
DOUGLAS POLLOCK / CHILE
DR. BLANCA PARGA LANDA / SPAIN
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



WWW.CLINTEL.ORG

ON APRIL 26, 2022 WE HAVE WELCOMED OUR 1000TH SIGNEE: DAVID SIEGEL FROM THE USA



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, 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. *Michael Asten, Retired Professor in Geophysics and Continuing Senior Research Fellow at the Monash University, Melbourne*
7. *Stuart Ballantyne PhD, Senior Ship Designer, Sea Transport Corp.*
8. *Jeremy Barlow, Energy and Mining professional, Director and CEO*
9. *Dr. Colin M. Barton, Geologist, Retired Civil Engineer with Experience in Project Control, Research and Professional Training, Honorary Fellow RMIT University Australia*
10. *Gordon Batt, Director GCB Investments Pty Ltd.*
11. *Maxwell Charles S. Beck, lifetime of experience in law, retired Magistrate and Coroner on the bench*
12. *Robert M. Bell, Retired Geologist, Victoria*
13. *Richard Blayden, Professional Engineer*
14. *Colin Boyce, Engineer, Member of Parliament, Queensland State Parliament, Engineer, Farmer and Entrepreneur*
15. *Howard Thomas Brady, Member Explorers Club of New York, Member of the Australian Academy of Forensic Sciences*
16. *Geoff Brown, Organizer of a Critical Climate Group*
17. *Andrew Browne, Exploration Geoscientist, Fellow AusIMM (CP), 50 Years Global Experience*
18. *Frank Brus, holds a B. Comm from UNSW, spent most of his working life with the Electricity Commission of NSW*
19. *Ernest Buchan, Chartered Engineer MIET, Kardinya, W. Australia*
20. *Douglas Buerger, Fellow Australasian Institute of Mining and Metallurgy, Member of Australian Institute of Company Directors*
21. *Mike Bugler, Retired Environmental Consultant*
22. *Charles Camenzuli, Structural Engineer specializing in Remedial Work, Catcam Group, Sydney*
23. *Ray Carman, Organic Chemist, Honorary Fellow University of Queensland*
24. *Peter Champness, Radiologist*
25. *Andrew E. Chapman, Expert on Rainfall and Flood Events*
26. *Martin Clark, Expert in Building Design, Planning and Landscaping, Townsville NQ*
27. *Richard Corbett, Member Royal Australian Chemical Institute, Member of The Clean Air Society of Australia and New Zealand*
28. *Dr. Michael Creech, lifetime active as Geologist; Dr. Creech informs the public by giving presentations on Climate Change*
29. *Matt Crisanti BSc, UniSA, Science Faculty Coordinator at St. Columba College in 2008*
30. *Majorie Curtis, Retired Geologist, Stratigrapher and Palaeoclimatic Studies, Canberra*
31. *Eric Daniel, Retired IT Consultant*
32. *Arthur Day, Earth Scientist, Specialist in Geochemical Modelling of Volcanic Processes*
33. *David H. Denham, lifetime experience as Architect (B Arch), active in giving talks and writing opinion articles on climate change*
34. *Geoff Derrick, Geologist*
35. *Trish Dewhirst, Retired Geologist, Queensland*
36. *Aert Driessen, Geologist, Fellow Australian Institute of Geoscientists*
37. *John A. Earthrowl, Retired Geologist, Brisbane*
38. *Mike Elliott, Dux of School in Mathematics, Co-Founder of Climate Realists of Five Dock*
39. *Jeremy K. Ellis, Retired Chairman of BHP, now Chairman of the Saltbush Club Australia*
40. *Matthew J. Fagan, Founder and President of FastCAM Inc.*

41. 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
42. Christopher J.S. Game, Retired Neurophysiologist
43. Robin George, Geologist, Canterbury
44. David Gibson, Experimental Physicist
45. Andrew Gillies, Geologist
46. 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)
47. Brendan Godwin, Weather Observations and General Meteorology, Radio (EMR and Radar) Technical Officer, Retired from Bureau of Meteorology
48. Hamish Grant, MR Spectroscopy & Imaging Consultant, Victoria
49. Lindsay Hackett, BSc, Author of the paper "Global Warming Misunderstood" (<https://www.scribd.com/document/383385011/>), Founding Member of the Saltbush Club in Australia
50. Maureen Hanisch PhD, Biochemistry, Medical Research 1997, Australian National University, Retired
51. Erl Happ, Managing Director at Happs
52. John Happs, Geoscientist, Retired University Lecturer
53. Peter J.F. Harris, Retired Engineer (Electronic), now Climate Researcher
54. Jarvis Hayman, Visiting Fellow School of Archaeology & Anthropology, Australian National University
55. Mark Henschke, Retired Geologist in Mining, Oil and Gas
56. Stewart Hespe, Consulting Civil and Forensic Engineer, Critic of Government Policy on Climate Related Matters
57. Gerhard Hofmann, Geologist and Palaeontologist, Former Director of the Geological Survey of Queensland
58. Antonia Howarth-Wass, Mathematician
59. Geraint Hughes, Climate Researcher, Mechanical Building Engineer, Climate Researcher
60. David Hyde MEnvSt, Environmental Biology, Former Scientific Chairman of Australian Underwater Federation (NSW)
61. Paul Ingram, Qualified Geologist, Member of the Australian Institute of Mining and Metallurgy, studying Palaeoanthropology and Human Evolution
62. Alison Kelsey PhD, Palaeoclimatologist and Archaeologist University of Queensland
63. Kevin Kemmis, Climate Researcher, Expert in Information Technology
64. Neil Killion, MA in Psychology, active in the climate debate, member of the Saltbush club
65. Bill Kininmonth BSc (UWA), MSc (CSU), M. Admin. (Monash), Former Superintendent of the Bureau of Meteorology National Climate Center
66. Rosemarie Kryger PhD, Biochemistry, Retired, University of Queensland, Brisbane
67. Hugh H. Laird, Retired Tropical Agriculture Executive
68. John Leisten OBE, Expert in Physical Chemistry
69. Brian Levitan, Worked for NASA, now Technology Consultant to Multinationals
70. Ian Levy, CEO Australian Bauxite Ltd.
71. Matthew David Linn, Fellow of the Institution of Engineers of Australia
72. Ian Longley, Geologist, BSc (Hons) Petroleum Geologist, Fellow of the Geological Society
73. Finlay MacRitchie, Professor Emeritus in the Department of Grain Science and Industry at Kansas State University USA
74. John Ross May BSc, Adip, Cres., Management of Forests and National Parks in Victoria
75. Gerard McGann, Technical Director Eon NRG
76. Rodney McKellar, Retired Geologist, Queensland
77. John McLean, Author of First Major Review of HadCRUT 4 Climate Temperature Data, Member of New Zealand Climate Science Coalition
78. Toby McLeay, General Medical Practitioner AM, MBBS, FRACGP, FACRRM
79. Ross McLeod, Retired Environmental Health Officer
80. Paul Messenger PhD, Earth Science
81. John Michelmore, Retired Industrial Chemist

82. Des Moore, Former Deputy Secretary of the Federal Treasury, Founder and Leader of the Institute for Private Enterprise
83. 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"
84. Hugh Morgan, Prominent Australian Mining Executive, Fellow of the Australian Academy of Technology, Science and Engineering (FTSE)
85. 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
86. John Nicol PhD, Retired Senior Lecturer Physics and one time Dean of Science, James Cook University, North Queensland
87. 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
88. Alistair Pope PSc, CM, Sceptical Scientific Contrarian in the Climate Debate
89. Robert Pyper, Geologist and Director of Minnelex Pty Ltd.
90. Tom Quirk, Nuclear Physicist
91. Art Raiche PhD, Mathematical Geophysics, Retired CSIRO Chief Research Scientist
92. Campbell Rankine, Barrister and Solicitor
93. Peter Ridd, Oceanographer and Geophysicist
94. Tim Riley, Mining Geologist
95. John Cameron Robertson, Author of CO2 Feeds the World and The Climate Change Delusion
96. Philip Lance Robinson, Chemical Engineer, lifetime experience in the aluminium and steel industry
97. Nigel Rowlands, Retired from Mining and Exploration Industry
98. George (Rob) Ryan, Professional Geologist
99. Judy Ryan, Editor Principia Scientific Institution Australia
100. Robert Sambell PhD, Physics, Professional Geophysicist
101. Jim Simpson, Retired from Managing Positions in different International Telecommunications Firms, nowadays Convenor of "The Climate Realists of Five Dock, Sydney Australia."
102. Case Smit, Physicist, Expert in Environmental Protection, Co-Founder of the Galileo Movement
103. Edward Smith, Chartered Chemist, member of the Royal Australian Institute of Chemistry (RACI), lifetime of experience in the Pharmaceutical industry
104. Lee Smith, University Lecturer in Spatial Technology, Responsible for State Government Precise Monitoring of Sea Level and International Sea Boundaries
105. Peter Smith, Geologist (Retired), New South Wales
106. Darren Speirs, Independent Business Owner, Rangeland NRM Consultants
107. Geoffrey Stocker, Professor and Head of Department of Forestry, PNG University of Technology, Director of PNG Forest Research Institute
108. 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
109. Dr. Nancy Enid Stone, B.Sc (Hons), University of Western Australia. (1950), Ph.D Cantab. (1956), Retired Research Biochemist
110. Rodney R. Stuart, Retired Expert in Energy Industry, Tasmania
111. Roger Symons, Professional Engineer, Expert in Temperature Control of Industrial Buildings
112. James Taylor, Electrical Aerospace and Astrophysics Engineer, Computer Modelling Researcher
113. Rustyn Wesley Thomas, Retired Aircraft Engineer
114. John W. Turner, Science Educator, Noosa Heads
115. Ralph J. Tyler, Retired Senior Principal Research Chemist, CSIRO, expert in conversion of coal and natural gas to liquid fuel
116. Peter Tyrer, Project Controls Engineer in Mining Industry
117. Terrence Vincent, Security Engineer, Small Business Adviser AIST, ASIAL, SMBE
118. James Walter, Medical Doctor
119. John Warnock, Astro Economist

120. Chris Warren, Retired Engineer, Design and Construction of Dams and feasibility of Coal Mines
121. Alan C. Watts, Medical Practitioner specialized in Effects of Infrasound on Human Health
122. Colleen J. Watts, Retired Environmental Scientist with specialization in Aquatic Chemistry and Environmental Consequences of Renewable Energy
123. Neil Wilkins, Retired Geologist
124. Lawrence A. Wilson, Professional Chemical Engineer, Melbourne
125. P.C. Wilson, Former Journalist with the A.B.C. Queensland
126. Philip Wood, Qualified Lawyer in four Jurisdictions (Australia, New York, UK and Hong Kong), CEO of two ASX-listed Companies operating in the Mining and Minerals Processing Fields



SCIENTISTS AND PROFESSIONALS FROM AUSTRIA

1. Rudolf Posch PhD, Retired Software Engineer of a Technical Multinational, Expert in Nonlinearities and Feedbacks



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 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. Eric Blondeel, Retired Civil Engineer
4. Emiel van Broekhoven †, Emeritus Professor of Economics, University of Antwerp
5. 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
6. Benjamin Damien, Docteur en Biologie et Entrepreneur en Biotechnologie
7. Ferdinand Engelbeen, Former Chemical Process Automation Engineer, Akzo Nobel Chemicals
8. Samuel Furfari, Professor of Energy Geopolitics at the Free University of Brussels
9. Georges Geuskens, Emeritus Professor of Chemistry, Free University of Brussels and Expert Publicist on Climate Science
10. Drieu Godefridi PhD, Law, Author of several books
11. Jan Jacobs, Science Journalist specializing in Climate and Energy Transition
12. Raymond Koch, Retired Research Director at Lab. Plasma Physics, RMA Brussels and Fellow Lecturer at Umons
13. Rob Lemeire, Publicist on Environmental and Climate Issues
14. Jean Meeus, Retired Meteorologist, Brussels Airport, Author of the Best Seller Astronomical Algorithms
15. Ernest Mund, Honorary Research Scientist, Honorary Research Director, FNRS, Nuclear Engineering
16. Bart Ooghe, Geologist & Geophysicist, Independent Scientist
17. Jaak Peeters, Psychologist and Writer
18. Eric Perpète, Microcomputed Tomography Scientist, FNRS Senior Research Associate in Chemical Physics
19. Dr. Hugo Poppe, Emeritus hoogleraar, Weer- en Klimaatkunde, KU-Leuven, 1966-2002
20. Phil Salmon, Computer Tomography Scientist, Kontich
21. Jozef Verhulst PhD, Chemistry, Author
22. Jean van Vliet, Retired Specialist in Space Weather
23. Appo van der Wiel, Senior Development Engineer



SCIENTISTS AND PROFESSIONALS FROM BRAZIL

1. *Dr. Thiago Maia, Nuclear Physicist, PhD in Astrophysics; WCD Ambassador*
2. Mario de Carvalho Fontes Neto, Agronomist, Editor of 'The Great Global Warming Swindle'

3. José Bueno Conti, Geographer and Professor of Climatology, Full Professor of the Geography Department at the University of Sao Paulo (USP)
4. Dr. Johnson Delibero Angelo, Master and PhD in Material Science, Industrial Chemist, Emeritus Collaborating Professor of Postgraduate Studies in Mechanical Engineering at UFABC
5. Richard Jakubazsko, Executive Editor of Agro DBO Magazine and Co-Author of the Book 'CO2, Warming and Climate Change: Are you kidding us?'
6. Dr. George Lentz Cesar Fruehauf, BSc Doctor of Sciences – USP, MSc Meteorology – SJSU, expert in environmental engineering
7. Luiz Carlos Badicero Molion, Emeritus Professor of the Federal University of Alagoas (UFAL), Formerly of the National Institute of Space research (INPE)
8. Prof. Marcos José de Oliveira, Environmental Engineer, Master in Climatology, Author of research articles about climate cycles and natural causes of climate change
9. 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)
10. Guilherme Polli Rodrigues, Geographer, Master in Climatology, Environmental Consultant
11. Geraldo Luis Saraiva Lino, Geologist, Author of 'How a Natural Phenomenon Was Converted into a False Global Emergency'
12. Marcello Silva Sader, Graduated in Veterinary Medicine and Computer Sciences
13. Daniela de Souza Onca, Professor of the Geography Department of the State University of Santa Catarina (UDESC)
14. Igor Vaz Maquieira, Biologist, Specialist in Environmental Management



SCIENTISTS AND PROFESSIONALS FROM BULGARIA

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



SCIENTISTS AND PROFESSIONALS FROM CANADA

1. *Jeffrey Foss, Professor of Philosophy of Science, University of Victoria; 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. Tim Ball, Emeritus Professor Geography, University of Winnipeg and Advisor of the International Science Coalition
6. Robert Douglas Bebb, Professional Engineer (Mechanical), MBA
7. Rick Beingessner, BSc, BA and LLB University of Alberta, lifetime experience in the Geo-Energy Industry, recently involved in researching Climate Change Matters
8. Jean Du Berger, Ingénieur Retraité, Bell
9. Alain Bonnier PhD, Physique, INRS-Centre de Recherche en Énergie, Montréal
10. Andrew Bonvicini, Professional Geophysicist, President of Friends of Science Society
11. 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
12. Michel Chapdelaine MSc, Géologie, Montréal
13. Henry Clark, Thermal/Power Engineer
14. Ian Clark, Professor of Earth and Environmental Sciences, University of Ottawa
15. Edmond (Ted) Clarke MSc, Engineering, Member of Friends on Science Society
16. Paulo N. Correa, Biophysicist and Oncologist, Inventor, Author of numerous books and research papers, Director of Research at Aurora Biophysics Research Institute
17. Hortense Côté, Ingénieur Géologue, Goldminds
18. Susan Crockford, Zoologist and Polar Bear Expert, Former Adjunct Professor University of Victoria
19. Ronald Davison, Professional Chemical Engineer
20. Dr. E. David Day BSc, PhD, Chemistry
21. Eric Ducharme MSc, Géologie, Abitibi
22. Michel Dumais, Ingénieur Civil Retraité, Université d'Ottawa
23. Claude Duplessis BcSc, Géologie, Ingénieur Géologue, Goldminds
24. Ashton Embry, Research Geologist, Embry Holdings

25. David Fermor, Anaesthesiologist, B.A., M.D., FRCPC
26. Joseph Fournier PhD, Expert in Physical Chemistry
27. Paul M. Gagnon, Professional Engineer
28. Douglas Goodman, Life of time experience in the geo-energy industry
29. Kenneth B. Gregory, Professional Engineer, Director Friends of Science Society
30. Dr. Paul Hamblin, Retired Research Scientist Environment Canada, Advisor to the Georgian Bay Association
31. Mark T. Hohm, Professional Engineer registered with the Association of Professional Engineers and Geoscientists of Alberta (APEGA)
32. 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)
33. Paul A. Johnston, Associate Professor, Paleontology, Paleoecology, Department of Earth and Environmental Sciences, Mount Royal University, Calgary, Alberta
34. E. Craig Jowett, Geologist and Environmental Researcher PhD University of Toronto
35. Klaus L.E. Kaiser, Retired Research Scientist, National Water Research Institute, Author of Numerous Press Articles
36. Bogdan Kasprzak, Professional Geoscientist, life time experience in data modelling, data analysing and data interpretation
37. Madhav Khandekar, Expert Reviewer IPCC 2007 AR4 Report
38. David Koop BSc, Analytical Chemist
39. Kees van Kooten, Professor of Economics and Canada Research Chair in Environmental Studies and Climate, University of Victoria
40. Jean Laberge, Professeur Retraité de Philosophie, CEGEP du Vieux Montréal
41. M.J. Lavigne MSc, Professional Geologist
42. Douglas Leahey PhD, Meteorology, past President of Friends of Science
43. Robert Ledoux PhD, Professeur Retraité en Géologie, Université Laval
44. H. Douglas Lightfoot, Research Engineer in the Chemical Industry, Co-Founder of the Lightfoot Institute, papers on Alternative Energy and Atmospheric CO₂
45. Gerald Machnee, Retired Meteorologist, Environment Canada
46. Allan M.R. MacRae, Retired Engineer
47. Paul MacRae, Independent Climate Researcher
48. 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
49. Norman Miller, Former P.Eng, now Retired
50. Patrick Moore, Ecologist, Chair CO₂ Coalition, Co-Founder Greenpeace
51. Dr. Thomas F. Moslow PhD, P. Geol., President Moslow Geoscience Consulting Ltd., Adjunct Professor Department of Geoscience, University of Calgary
52. Scott Patterson, Professional Geologist
53. Andy Pattullo, Associate Professor of Medicine at the University of Calgary
54. Joe Postma, Research Analyst, Physics & Astronomy, University of Calgary
55. Brian R. Pratt, Professor of Geological Sciences, University of Saskatchewan
56. Gerald Ratzer, Professor Emeritus, Computer Science McGill University, Montreal
57. Norman Reilly, Professor Emeritus of Mathematics, Simon Fraser University, British Columbia
58. Gérald Riverin PhD, Géologie, Géologue Retraité
59. Peter Salonijs, Retired Research Scientist, Natural Resources
60. Marcelo C. Santos, Professor of Geodesy, University of New Brunswick
61. Paul R. Schmidt BSc, Professional Engineer Ontario, Research Scientist, Author/ Lecturer 'Review & Analysis of Climate Change', Member Friends of Science
62. Ian de W. Semple, Retired Exploration Geologist and Mining Investment Analyst of McGill University
63. Afshin Shahzamani, Retired professional (Medical Science Liaison) pharmaceutical industry
64. Élie Shama, Ingénieur Retraité en Électromécanique, Président d'Éconoden, Montréal
65. Brian Slack, Distinguished Professor Emeritus, Concordia University Montreal, Department of Geography, Planning and Environment
66. Marc Vallée PhD, Geophysicien
67. Petr Vaníček Dr. Sc, Professor Emeritus of Geodesy, University of New Brunswick

68. 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
69. Jean-Joel Vonarburg PhD, Professeur Ingénieur, Université du Québec à Chicoutimi
70. Dr. Helen Warn PhD in Fluid Dynamics from McGill University
71. William van Wijngaarden, Professor of Physics, York University
72. Ken Wilson, Professional Engineer (retired)



SCIENTISTS AND PROFESSIONALS FROM CHILE

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



SCIENTISTS AND PROFESSIONALS FROM CHINA / HONG KONG

1. 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
2. NG Young, Principal Geoscientist, Danxia Global Geopark of China



SCIENTISTS AND PROFESSIONALS FROM REPUBLIC OF CROATIA

1. Dušan Bižić MSc, Meteorologist, Head of Radar Centre of the Croatian Meteorological and Hydrological Service; WCD Ambassador
2. Zorislav Gerber MSc, Head of Hail Prevention Support Department, Croatian Meteorological and Hydrological Service



SCIENTISTS AND PROFESSIONALS FROM CZECH REPUBLIC

1. Pavel Dudr, Ing, Independent publicist and climatologist / Pravy prostor, EP Shark/
2. Marek Eiderna, Agricultural Engineer and graduated in General Biology
3. Vaclav Hubiner, Retired Ambassador, Anthropologist, Climate Policy Commentator for www.forum24.cz
4. Pavel Kalenda PhD, CSc., Coal Expert
5. Václav Klaus, Former President of the Czech Republic, Professor of Economics, Founder of the Václav Klaus Institute
6. Ivan Spicka, Professor of Internal Medicine at Charles University with speciality in Hemato-Oncology, Prague
7. Gary M. Vasey PhD, Geology, Managing Partner and Analyst in Commodity Technology Advisory llc



SCIENTISTS AND PROFESSIONALS FROM DENMARK

1. Jens Morten Hansen PhD, Geology, Professor at Copenhagen University, Former Vice Managing Director for the Geological Survey of Denmark and Greenland, Former Director General for the Danish National Research Agency and National Research Councils, Former President of the Nordic Research Council under Nordic Council; WCD Ambassador
2. Bjarne Andresen, Professor of Physics, Niels Bohr Institute, University of Copenhagen
3. Dr. Hans Götzsche, Emeritus Associate Professor, Linguistics and Philosophy of Science, President Nordic Association of Linguists (NAL), Director, Center for Linguistics, Aalborg University
4. Frank Hansen, Emeritus Professor, Department of Mathematics, University of Copenhagen
5. Sören Kjærsgaard, Professional Chemical Engineer
6. Johannes Krüger, Emeritus Professor, Dr. Scient, Department of Geosciences and Natural Resource Management, University of Copenhagen
7. Knud Larsen PhD, Natural Sciences
8. Peter Kjær Poulsen, Metering Engineer
9. Niels Schrøder, Geophysist/Geologist, Associate Professor Institute of Nature and Environment, Roskilde University



SCIENTISTS AND PROFESSIONALS FROM EQUADOR

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



SCIENTISTS AND PROFESSIONALS FROM FINLAND

1. Boris Winterhalter, Retired Marine Geology, Geological Survey of Finland

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



SCIENTISTS AND PROFESSIONALS FROM FRANCE

1. *Benoît Rittaud, Assistant Professor of Mathematics at University of Paris-Nord, President of the French Association des climato-réalistes; WCD Ambassador*
2. Jean-Charles Abbé, Former Research Director at CNRS, Labs Director (Strasbourg, Nantes) in Radiochemistry, Expert at NATO and IAEA
3. Pascal Acot, Centre National de la Recherche Scientifique, Paris
4. Bertrand Alliot, Environmentalist
5. Charles Aubourg, Full Professor at the University of Pau, Geophysicist
6. Hervé Azoulay, Engineer (CNAM), Specialist of Networks and Systemics, CEO and President of several Associations
7. Jean-Pierre Bardinnet, Ingénieur ENSEM, Publicist on Climate Issues
8. Bernard Beauzamy, University Professor (Ret.), Chairman and CEO, Société de Calcul Mathématique SA (Paris)
9. Serge Bellotto PhD, Geology
10. Guy Bensimon, Retired Associate Professor of Economics at Institute of Political Studies of Grenoble (SciencesPo Grenoble)
11. Jean-Claude Bernier, Emeritus Professor (University of Strasbourg), Former Director of the Institute of Chemistry of the CNRS
12. Pierre Beslu, Former Researcher and Head of Department in the French Nuclear Energy Commission (CEA)
13. Michel Bouillet PhD, Human Geography, Emeritus Professor, Former Associate Researcher at the MMSH (Aix-en-Provence)
14. Sylvie Brunel, Full Professor at Sorbonne University, Geographer and Economist, Former President of the Humanitarian Organization Action against Hunger (Action contre la faim)
15. Christian Buson PhD, Agronomy, Director of Research in a Company (impact studies in Environmental Issues, Sewage Treatment)
16. Jean-Louis Butré, Professional Engineer, Head of Laboratory at Grenoble Nuclear Research Center, Chief Executive Officer of the Pharmacie Centrale de France, President of Axens, President of the Fédération Environnement Durable and the European Platform Against Windfarms, Knight of the National Order of Merit
17. Bernard Capai, Retired Chemistry Engineer, Specialist of Industrial Processes avoiding the use of Carcinogenic Solvents
18. Patrick de Casanove, Doctor of Medicine, Chairman of the Cercle Frédéric Bastiat
19. Philippe Catier, Medical Doctor
20. Bruno Chaumontet, Engineer ENSEA, specialized in Feedback Systems
21. Pascal Chondroyannis, Forest Engineer, Retired Director of the National Alpine Botanical Conservatory (2008-2013)
22. Jean Michel Colin PhD, Retired Chemist Engineer, Expert for the French Academic Evaluation Agency (AERES)
23. Philippe Colomban, CNRS Research Emeritus Professor, Former Head of Laboratory at Université Pierre-et-Marie Curie, Expert in Hydrogen-based Energy Storage
24. 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
25. Christian Coppe PhD, Organic & Analytical Chemistry
26. Philippe Costa, Energy Engineer at ENSEM Nancy, specialist in Industrial Process and Energy Saving
27. Vincent Courtillot, Geophysicist, Member of the French Academy of Sciences, Former Director of the Institute de Physique du Globe de Paris
28. Pierre Darriulat, Professor of Physics, Member of the French Academy of Sciences
29. Jean Davy, Engineer (ENSAM), Digital Modeling Software Developer
30. 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
31. Jean-Pierre Desmoulins, Retired Professor of Thermal and Energy Engineering at the "Institut Universitaire de Technologie, Université-Grenobles-Alpes"

32. Gérard Douhet PhD, Nuclear Physics, Retired Engineer at CERN, Technical Manager on Digital Transmission and Video Encoding
33. Hubert Dulieu, Emeritus Professor Applied Ecology, Formerly Senior Researcher in the CNRS, President of the National Scientific Research Committee, Vegetal Biology Section (XXVII)
34. Bruno Durieux, Economist, Former Minister of Health and of Foreign Trade, Ancient Administrator of the French National Institute of Statistics and Economic Studies (INSEE)
35. Max Falque, International Consultant in Environmental Policy
36. Serge Ferry PhD, Retired Teacher-Researcher (MCF), University of Lyon
37. Patrick Fischer, Associate Professor in Applied Mathematics, University of Bordeaux
38. Michel Frenkiel, Engineer (Arts et Métiers), Former Researcher at NCAR in Boulder
39. Francis le Gaillard PhD, Natural Sciences and Pharmaceutical Sciences, Emeritus Professor of Biochemistry at the Faculty of Pharmaceutical Sciences of Toulouse
40. François Gauchenot, Governance Specialist, Founder of Saint George Institute
41. Jean Gergelé, Engineer Graduate from the Ecole Centrale de Lyon, R&D Director, Freelance Consultant, mainly in the Li-ion battery development
42. Christian Gérondeau, Former Advisor of several French Prime Ministers, Formerly responsible for the Road Traffic Safety Policy for France and the European Union
43. François Gervais, Emeritus Professor of Physics and Material Sciences, University of Tours
44. Philippe Giraudin, Ecole Polytechnique Paris, Geographic Sciences
45. Bernard Grandchamp, Agronomic Engineer and Environment & Plant Defense Expert, Managing Director of Famoux Chateaux Viticoles in Bordeaux
46. 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
47. Maximilian Hasler, Associate Professor in Mathematics, University of French West Indies
48. Charles Hazan, Retired Chemist (ENSCP) and Chemical Engineer (UMIST) Former Technical Director Nosolor
49. Yvon Jarny, Emeritus Professor in Thermal and Energy Sciences, Nantes University
50. Claude Jobin, Retired A&M Engineer specialized in Microwave Communication
51. Alexandre Krivitzky, Psychoanalyst, Member of the International Psychoanalytical Association
52. Roger Lainé, Retired Geological Engineer
53. Philippe de Larminat, Professor at École Centrale de Nantes, specialist of Business Process Modeling
54. René Laversanne, Researcher at the CNRS, 16 patents
55. Jean-Marie Longin, Engineer (Saint-Cyr), Chief of the Pole Operations of Security Inventory Management
56. Guy Lucazeau, Emeritus Professor (Institut Polytechnique de Grenoble) in Material Sciences and Spectroscopy
57. Philippe Malburet, Emeritus Associated Professor of Mathematics, Founder of the Planetarium of Aix-en-Provence, Member of the Academy of Aix-en-Provence
58. Christian Marchal, Astronomer and Mathematician, Former Research Director at the French National Office for Aerospace Studies and Research
59. Paolo Martinengo, Applied Physicist, Senior Staff Member in the Experimental Physics Department, Detector Technologies Group, CERN
60. Patrick Mellett, Architect and CEO
61. Marc le Menn PhD, Head of Metrology-Chemistry Oceanography Lab, Brest
62. Henri Mertz, Ingénieur Civil de l'école de la Métallurgie et des Mimes de Nancy, Chef d'Entreprises
63. Serge Monier, former manager of various multinational companies, at present Co-founder and Treasurer of 'Climat et Vérité'
64. 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
65. Jacques-Marie Moranne, Retired Engineer (Ecole Centrale de Lille), Specialist in Air and Water Purification, Chemical and Nuclear Engineering
66. Serge Morin, Emeritus Professor Geography at Université Michel de Montaigne, Bordeaux, Honorary Mayor of Branne

67. Cédric Moro, Geographer on Natural Hazards Management, Co-Founder of Visov, a NGO in Civil Defense
68. Philippe Morvan, Engineer ENSTA and Génie Maritime, specialist in Software Development
69. Charles Naville, R&D Exploration Geophysicist, IFP Energies Nouvelles
70. Michel le Normand, Emeritus Professor of Botany and Plant Pathology and Chairman of Plant Production Department, National Superior School of Agronomy, Rennes
71. 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'
72. 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'
73. Rémy Prud'homme, Emeritus Professor in Economics at University of Paris-Est, Former Deputy-Director, Environment Directorate, OECD
74. Pierre Richard, Engineer ESPCI Paris, Former Research Geochemist at Institut de Physique du Globe de Paris (IPGP)
75. Pierre Ripoche, Engineer INSA in Chemistry, Retired Project Manager in R&D, Expert in High Temperature Plasma for Optical Fiber Process
76. Isabelle Rivals, Associate Professor in Statistics at ESPCI Paris
77. Bertrand Rouffiange, Doctor of Medicine, specialized in Radiology
78. Jean Rouquerol, Emeritus Research Director at CNRS Marseille, Expert in Gas Adsorption and Calorimetry
79. Georges de Sablet, Retired Associate Professor at University of Paris Descartes, Formerly in charge of Operating Systems and Networks at IUT Paris
80. François Simonet PhD, Biology, Former Director for Planning and Foresight in a State Agency for Water and Aquatic Ecosystems Management
81. 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)
82. Marcel Terrier, Ex Engineers in Industry, Former Teacher at the Douai School of Mines
83. Michel Thizon, Chemical engineer, ACR (Association des Climato-Réalistes, France) member, former researcher at the Ecole Polytechnique, consultant, retired
84. 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)
85. Camille Veyres, Retired Engineer at École des Mines, specialist in Telecommunications and Broadband Networks
86. Brigitte van Vliet-Lanoë, Geoscientist, Emeritus Research Director (CNRS, Université de Bretagne Occidentale), Stratigraphy and Palaeoenvironments, Quaternary and Holocene
87. Théa Vogt, Retired CNRS Searcher, Géomorphology, Quaternary Palaeoenvironments, Soil and Desertification Remote Sensing
88. 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. Lars Birlenbach, Dr. in Chemistry, University of Siegen
6. Michael Bockisch, Emeritus Professor Chemistry at the Technical University of Berlin
7. Klaus-Dieter Böhme, Dipl. Physicist, professional experience in X-ray spectroscopy
8. Thomas Brey, Professor for Functional Ecology at University Bremen, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Helmholtz Institute for Functional Marine Biodiversity at the University Oldenburg (HIFMB)
9. Eike-Mattias Bultmann, Geoscientist
10. Dr. Arthur Chudy, Agricultural Chemist OT Warsaw
11. Prof. Dr. Klaus D. Döhler, Professor of Pharma sciences, University of Hannover
12. Friedrich-Karl Ewert, Emeritus Professor Geology, University of Paderborn
13. Ludwig E. Feinendegen, Emeritus Professor Medicine
14. Christian Habermann, Dr. in Economics, Investment Manager

15. Hermann Harde, Emeritus Professor of Experimental Physics and Materials Science, Helmut Schmidt-University, Hamburg
16. Prof. Dr. Bernd Hartke, Professor in Theoretical Chemistry, Expert Knowledge in Computer Modelling, University of Kiel
17. Manfred Hauptreif, Natural Scientist
18. Werner Kirstein, Emeritus Professor of Climatology, University of Leipzig
19. Stefan Kröpelin, Dr. in Geosciences, Free University of Berlin and University of Cologne (Retired), specialized in Climate Change of the Sahara
20. Ulrich Kutschera, Professor of Plant Physiology & Evolutionary Biology at the University of Kassel and Visiting Scientist in Stanford USA
21. Michael Limburg, Vice-President EIKE (Europäisches Institute für Klima und Energie)
22. Horst-Joachim Lüdecke, Professor of Operations Research (i.R.) HTW of Saarland, Saarbrücken
23. Wolfgang Merbach, Professor Dr. Agrar. Habil. at Institut für Agrar Ernährungswissenschaften
24. Lothar W. Meyer, Emeritus Professor of Material Engineering, Chemnitz University of Technology, Saxony Entrepreneur 'Nordmetall GmbH', Member of the Board of 'Vernunftkraft Niedersachsen'
25. Werner Mormann, Emeritus Professor of Macromolecular Chemistry, Universität Siegen
26. 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
27. Hans Penner PhD, Dipl.-Chem. Dr. rer. nat., Linkenheim-Hochstetten
28. Siegfried Reiprich, Dipl.-Ing, Geoscientist and Oceanography
29. W.H. Eugen Schwartz, Emeritus Professor of Theoretical Chemistry, Universitaet Siegen
30. Dr. Holger Thuss, President EIKE Institute
31. Jost Trier PhD, Retired Experimental Physicist at the Federal Institute in Braunschweig, Dept. of Atomic Physics
32. Carl-Otto Weiss, Emeritus Professor in Non-linear Physics, Advisor to the European Institute for Climate and Energy, Former President of the German Meteorological Institute, Braunschweig



SCIENTISTS AND PROFESSIONALS FROM GREECE

1. *Sotiris Kamenopoulos PhD, Independent Researcher in the Field of Sustainable Exploitation of Mineral Resources, Social License to Operate and Risk Management; WCD Ambassador*
2. Stavros Alexandris, Associate Professor Agricultural University of Athens, Dept. of Natural Resources and Agricultural Engineering, Sector of Water Resources
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. r. Vassilios C. Kelessidis, former Professor at Khalifa University, Texas A&M at Qatar and Technical University of Crete Greece, Lifetime of Experience in Petroleum Engineering
6. Christos J. Kolovos PhD, Mining & Metallurgy Engineer, Former Director of Mine Planning & Contractor Works Dept., Public Power Corporation of Greece
7. Emmanouil Kopanakis, Mechanical Engineer, Teacher at the Environmental Education Center of Karpenisi
8. Demetris Koutsoyiannis, Professor of Hydrology and Analysis of Hydrosystems at the National Technical University of Athens
9. Aristotelis Liakatas, Emeritus Professor of the Agricultural University of Athens on Agrometeorology, Member of the Greek Agricultural Academy
10. Nikos Mamassis, Associate Professor of Engineering Hydrology and Hydrometeorology at the National Technical University of Athens
11. Spyridon Nikiforos, Economist, MBA
12. Sonia Perez PhD, Biology/Immunology, Scientific Coordinator Cancer Immunology and Immunotherapy Center Saint Savas Cancer Hospital, Athens



SCIENTISTS AND PROFESSIONALS FROM HUNGARY

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



SCIENTISTS AND PROFESSIONALS FROM INDIA

1. 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. Tony J. Carey, BA (Natural Sciences), Clare College, Cambridge
4. David Horgan, MA (Cambridge), MBA (Harvard), Resource Company Director
5. Seamus Hughes, BAgricSc, Specialist in Genetics
6. Mark Gerard Keenan, Former Science Advisor, Department of Energy and Climate Change, U.K., Former Environmental Affairs Officer, United Nations Environment Division, Geneva, Switzerland
7. Ultan Murphy, BSc (Hons) Chemistry, Industry Science Professional
8. Owen O'Brien, Business Founder and Entrepreneur, MBA, DBA
9. Patrick L O'Brien, MSc, MPhil, Senior International Environmental Consultant
10. Donal O'Callaghan, electrical engineer, retired food industry research scientist
11. J. Phillip O'Kane, Emeritus Professor, School of Engineering, University College Cork
12. Peter O'Neill, Retired, School of Engineering, University College Dublin, Expert Reviewer of IPCC AR6
13. Fintan Ryan, Retired Senior Airline Captain, Fellow Royal Aeronautical Society
14. Christian Schaffalitzky, FIMMM, Founder Institute of Geologists of Ireland, EurGeol
15. Brian N. Sweeney, Founding Chairman of Science Foundation Ireland
16. Sean Tangney, Business Entrepreneur, Former Technical Director, CRH plc
17. David Thompson, BAgricSc, MA, Animal Nutritionist
18. Edward Walsh, Former Chairman, Irish Council for Science, Technology and Innovation, Former Director Energy Research Group, Virginia Tech, USA



SCIENTISTS AND PROFESSIONALS FROM ITALY

1. *Alberto Prestininzi, Professore di Rischi Geologici, Honorary Cherman NHAZCA Università of Rome Sapienza, già Scientific Editor in Chief della Rivista Internazionale IJEGE e Direttore del Centro di Ricerca, Previsione, Prevenzione e Controllo dei Rischi Geologici (CERI); WCD Ambassador*
2. Pietro Agostini, Ingegnere, Associazione Scienziati e Tecnologi per la Ricerca Italiana
3. Piero Baldecchi, Lettore
4. Achille Balduzzi, Geologo, Agip-Eni
5. Antonio Ballarin, Fisico, "Chief Artificial Intelligence Officer" di una pubblica amministrazione
6. Cesare Barbieri, Professore Emerito di Astronomia, Università di Padova
7. Donato Barone, Ingegnere
8. Sergio Bartalucci, Fisico, Presidente Associazione Scienziati e Tecnologi per la Ricerca Italiana
9. Giuseppe Basini, Astrofisico, Deputato, già dirigente di Ricerca dell'INFN
10. Franco Battaglia, Professore di Chimica Fisica, Università di Modena, Movimento Galileo 2001
11. Marco Benini, Ingegnere Idraulico, Libero Professionista
12. Eliseo Bertolasi, Dottore di Ricerca in Antropologia Culturale
13. Giorgio Bertucelli, Ingegnere, già Dirigente Industriale, ALDAI
14. Alessandro Bettini, Professore Emerito (Fisica) Università di Padova

15. Antonio Bianchini, Professore di Astronomia, Università di Padova
16. Luciano Biasini, Professore Emerito, già Docente di Calcoli Numerici e Grafici, Direttore dell'Istituto Matematico e Preside della Facoltà di Scienze Matematiche, Fisiche e Naturali dell'Università di Ferrara
17. Paolo Blasi, Professore Emerito (Fisica) e già Rettore dell'Università di Firenze, già Presidente della Conferenza dei Rettori delle Università Italiane
18. Enrico Bongiovanni, Dottore Commercialista
19. Paolo Bonifazi, Ex Direttore dell'Istituto di Fisica dello Spazio Interplanetario (IFSI) dell'Istituto Nazionale Astrofisica (INAF)
20. Roberto Bonucchi, Insegnante in Pensione
21. Giampiero Borrielli, Ingegnere
22. Francesca Bozzano, Professore di Geologia Applicata, Università di Roma La Sapienza, Direttore del Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI)
23. Antonio Brambati, Professore di Sedimentologia, Università di Trieste, Responsabile Progetto Paleoclima-mare del PNRA, già Presidente Commissione Nazionale di Oceanografia
24. Gianfranco Brignoli, Geologo
25. Marcello Buccolini, Professore di Geomorfologia, Università di Chieti-Pescara
26. Paolo Budetta, Professore di Geologia Applicata, Università di Napoli
27. Antonio Maria Calabrò, Ingegnere, Ricercatore, Consulente
28. Monia Calista, Ricercatore di Geologia Applicata, Università di Chieti-Pescara
29. Cristiano Carabella, Geologo, Borsista presso l'Università di Chieti
30. Giovanni Carboni, Professore di Fisica, Università di Roma Tor Vergata, Movimento Galileo 2001
31. Peppe Caridi
32. Franco Casali, Professore di Fisica, Università di Bologna e Accademia delle Scienze di Bologna
33. Giuliano Ceradelli, Ingegnere e Climatologo, ALDAI
34. Augusta Vittoria Cerutti, Membro del Comitato Glaciologico Italiano
35. Franco Di Cesare, Dirigente, Agip-Eni
36. Alessandro Chiaudani PhD, Agronomo, Università di Chieti-Pescara
37. Luigi Chilin, Dirigente in Pensione
38. Claudio Ciani, Relazioni Internazionali, Scienza Politica, Università di Roma La Sapienza
39. 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
40. Pino Cippitelli, Geologo Agip-Eni
41. Carlo Colomba
42. Enrico Colombo, Chimico, Dirigente Industriale
43. Vito Comencini, Onorevole, Membro della Camera dei Deputati Italiana dal 2018
44. Enrico Conti, Physicist, Istituto Nazionale di Fisica Nucleare (INFN)
45. Ferruccio Cornicello, Fotografo e Lettore di Studi sul Clima
46. Domenico Corradini, Professore di Geologia Storica, Università di Modena
47. Carlo Del Corso, Ingegnere Chimico
48. Uberto Crescenti, Professore Emerito di Geologia Applicata, Università di Chieti-Pescara, già Magnifico Rettore e Presidente della Società Geologica Italiana
49. Fulvio Crisciani, Professore di Fluidodinamica Geofisica, Università di Trieste e Istituto Scienze Marine, Cnr, Trieste
50. Salvatore Custodero
51. Francesco Dellacasa, Ingegnere, Amministratore di Società nel settore Energetico
52. Alessandro Demontis, Perito Chimico Industriale, Tecnico per la Gestione delle Acque e delle Risorse Ambientali, Pomezia
53. Serena Doria, Ricercatore di Probabilità e Statistica Matematica, Università di Chieti-Pescara
54. Roberto d'Arielli, Geologo, Borsista presso l'Università di Chieti
55. Carlo Esposito, Professore di Rischi Geologici, Università di Roma La Sapienza
56. Gianluca Esposito, Geologo
57. Antonio Mario Federico, Professore di Geotecnica, Politecnico di Bari
58. Aureliano Ferri, Vicepresidente Associazione Piceno Tecnologie

59. Maurizio Fiorelli, Sommelier Professionale, studioso dell'evoluzione nella Coltivazione delle Vigne
60. Mario Floris, Professore di Telerilevamento, Università di Padova
61. Gianni Fochi, Chimico, Ricercatore in Pensione della Scuola Normale Superiore, Giornalista Scientifico
62. Sergio Fontanot, Ingegnere
63. Luigi Fressoia, Architetto Urbanista, Perugia
64. Mario Gaeta, Professore di Vulcanologia, Università di Roma La Sapienza
65. Sabino Gallo, Ingegnere Nucleare e Scrittore Scientifico
66. Giuseppe Gambolati, Fellow della American Geophysical Union, Professore di Metodi Numerici, Università di Padova
67. Alessio Del Gatto, Liceo Scientifico, Collaboratore Attivita Solare.it
68. Rinaldo Genevois, Professore di Geologia Applicata, Università di Padova
69. Umberto Gentili, Fisico dell'ENEA, Climatologo per il Progetto Antartide, ora in pensione
70. Enrico Ghinato, Perito Fisico
71. Mario Giaccio, Professore di Tecnologia ed Economia delle Fonti di Energia, Università di Chieti-Pescara, già Preside della Facoltà di Economia
72. Daniela Giannessi, Primo Ricercatore, IPCF-CNR, Pisa
73. Roberto Grassi, Ingegnere, Amministratore G&G, Roma
74. Roberto Graziano, Ricercatore di Geologia Stratigrafica e Paleoclimatologia/ Paleocceanografia, Università di Napoli, già Geologo presso il Servizio Geologico d'Italia
75. Alberto Guidorzi, Agronomo
76. Roberto Habel, Professore di Fisica Medica, Università di Cagliari
77. Alberto Lagi, Ingegnere, Presidente di Società Ripristino Impianti Complessi Danneggiati
78. Luciano Lepori, Ricercatore IPCF-CNR, Pisa
79. Carlo Lombardi, Professore di Impianti Nucleari, Politecnico di Milano
80. Walter Luini, Geometra
81. Roberto Madrigali, Meteorologo
82. Angelo Maggiora PhD, INFN Senior Researcher, more than 40 years experience in research at CERN, Saclay, Dubna and Frascati
83. Ettore Malpezzi, Ingegnere
84. Vania Mancinelli, Geologo, Borsista presso l'Università di Chieti
85. Ludovica Manusardi, Fisico Nucleare e Giornalista Scientifico, UGIS
86. Luigi Marino, Geologo, Centro Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza
87. Alessandro Martelli, Ingegnere, già Dirigente ENEA
88. Salvatore Martino, Professore di Geologia Applicata all'Ingegneria al Territorio ed ai Rischi, Università di Roma "Sapienza"
89. Maria Massullo, Tecnologa, ENEA-Casaccia, Roma
90. Enrico Matteoli, Primo Ricercatore, IPCF-CNR, Pisa
91. Paolo Mazzanti, Professore di Interferometria Satellitare, Università di Roma La Sapienza
92. Adriano Mazzarella, Professore di Meteorologia e Climatologia, Università di Napoli
93. Marcello Mazzoleni, Docente e imprenditore nel settore della formazione, fondatore del sito web MeteoSincero
94. Carlo Merli, Professore di Tecnologie Ambientali, Università di Roma La Sapienza
95. Enrico Miccadei, Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara
96. Gabriella Mincione, Professore di Scienze e Tecniche di Medicina di Laboratorio, Università di Chieti-Pescara
97. Umberto Minopoli, Presidente dell'Associazione Italiana Nucleare
98. Alberto Mirandola, Professore di Energetica Applicata e Presidente Dottorato di Ricerca in Energetica, Università di Padova
99. 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
100. Maurizio Montuoro, Medico
101. Renzo Mosetti, Professore di Oceanografia, Università di Trieste, già Direttore del Dipartimento di Oceanografia, Istituto OGS, Trieste

102. Daniela Novembre, Ricercatore in Georisorse Minerarie e Applicazioni Mineralogichepetrografiche, Università di Chieti-Pescara
103. Francesco Oriolo, Professore di Impianti Nucleari, Università di Pisa
104. Paolo Emmanuele Orrù, Professore di Geografia Fisica e Geomorfologia, Università di Cagliari
105. Sergio Ortolani, Professore di Astronomia e Astrofisica, Università di Padova
106. Giorgio Paglia, Geologo, Borsista presso l'Università di Chieti
107. Massimo Pallotta, Primo Tecnologo, Istituto Nazionale Fisica Nucleare
108. Antonio Panebianco, Ingegnere
109. 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
110. Antonio Pasculli, Ricercatore di Geologia Applicata, Università di Chieti-Pescara
111. Ernesto Pedrocchi, Professore Emerito di Energetica, Politecnico di Milano
112. Davide Peluzzi, Ambasciatore del Parco Nazionale del Gran Sasso e dei Monti della Laga nel Mondo nel 2017
113. Corrado Penna, Docente di Matematica
114. Enzo Pennetta, Professore di Scienze Naturali e Divulgatore Scientifico
115. Gianni Pettinari, Impiegato Amministrativo, Fondatore del gruppo Facebook: "Falsi allarmismi sul riscaldamento globale"
116. Alessandro Pezzoli, Ricercatore Universitario e Professore aggregato in Weather Risk Management, Politecnico di Torino e Università di Torino
117. Tommaso Piacentini, Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara
118. Stefano De Pieri, Ingegnere Energetico e Nucleare
119. Paolo M.J. Pilli, Pensionato
120. Andrea Pomozi, Presidente Associazione Piceno Tecnologie
121. Guido Possa, Ingegnere Nucleare, già Viceministro del Ministero dell'Istruzione, Università e Ricerca con delega alla Ricerca
122. Giorgio Prinzi, Ingegnere, Direttore Responsabile della Rivista "21mo Secolo Scienza e tecnologia"
123. Franco Prodi, Professore di Fisica dell'Atmosfera, Università di Ferrara
124. Franco Puglia, Ingegnere, Presidente CCC, Milano
125. Francesca Quercia, Geologo, Dirigente di Ricerca, Ispra
126. Nunzia Radatti, Chimico, Sogin
127. Arnaldo Radovix, Geologo, Risk Manager in Derivati Finanziari
128. Mario Luigi Rainone, Professore di Geologia Applicata, Università di Chieti-Pescara
129. Mario Rampichini, Chimico, Dirigente Industriale in Pensione, Consulente
130. Arturo Raspini, Geologo, Ricercatore, Istituto di Geoscienze e Georisorse (IGG), Consiglio Nazionale delle Ricerche, Firenze
131. 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
132. Marco Ricci, Fisico, Primo Ricercatore, Istituto Nazionale di Fisica Nucleare
133. Renzo Riva, Comitato Italiano Rilancio Nucleare (C.I.R.N.), Buja
134. PierMarco Romagnoli, Ingegnere, Milano
135. Vincenzo Romanello, Ingegnere Nucleare, Ricercatore presso il Centro di Ricerca Nucleare di Rez, Repubblica Ceca
136. Piergiorgio Rosso, Ingegnere Chimico
137. Stefano Rosso, Insegnante di Geografia, Storia e Italiano, Scuola Secondaria, Modena
138. Alberto Rota, Ingegnere, Ricercatore presso CISE ed ENEL, Esperto di Energie Rinnovabili
139. Ettore Ruberti, Ricercatore ENEA, Docente di Biologia Generale e Molecolare
140. Giancarlo Ruocco, Professore di Struttura della Materia, Università di Roma La Sapienza
141. Sergio Rusi, Professore di Idrogeologia, Università di Chieti-Pescara
142. Massimo Salleolini, Professore di Idrogeologia Applicata e Idrogeologia Ambientale, Università di Siena
143. Nicola Scafetta, Professore di Fisica dell'Atmosfera e Oceanografia, Università di Napoli

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



SCIENTISTS AND PROFESSIONALS FROM JAPAN

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



SCIENTISTS AND PROFESSIONALS FROM MEXICO

1. Luis Frausto, Chemical Engineer
2. Armando Páez PhD, Urbanism, Expert in Sustainability and Energy Transitions
3. Victor Manuel Velasco Herrera PhD, Space Engineer



SCIENTISTS AND PROFESSIONALS FROM THE NETHERLANDS

1. *Prof. Dr. Ir. Guus Berkhout, Emeritus Professor of Geophysics, Delft University of Technology, Member of the Royal Netherlands Academy of Arts and Sciences; WCD Ambassador*
2. *Dr. Cornelis le Pair, Physicist, Former CEO Physics & Technology Research Organisations; WCD Ambassador*
3. Jan H. Akkerman MSc, Structural Geology, worked 19 years with Billiton in Mining and Geology and the last 20 years with DGA van Akkerman Exploration BV
4. Maarten van Anel, Author of the 'Groene Illusie'
5. Jan Asselbergs, Mechanical Engineer who started his career with IHC. Since 1990 he is active in revitalizing medium sized companies
6. Dries Ausems MSc, Earth Sciences, Lifetime Experience as Geologist in the Geo-Energy Industry

7. René Bakers, Former Lawyer and Attorney Liability and Insurance
8. Dr. Thomas W. Bakker, Lifetime Experience in the Geo-energy Industry, Founder and former (or retired) CEO of Well Engineering Partners BV
9. Robert Becht, Lifetime R&D Experience in Water Management with emphasis on water management in East Africa
10. Frans van den Beemt, Nuclear Physicist, Former Program Director Technology Foundation STW
11. Jim van Beusekom, Retired Captain B747-400 with KLM, 35 years observational knowledge of the Earth's atmosphere
12. Andre Bijkerk, Retired Officer Royal Dutch Air Force, now Climate Researcher
13. Dr. Frans Bijlaard, professor-emeritus steel constructions, TU Delft
14. Peter Bloemers, Emeritus Professor of Biochemistry, Radboud University, Nijmegen
15. Hans Bouman MSc, Chemistry, Professional in Production Technology and Asset Management
16. Paul M.C. Braat, Emeritus Professor of Pulmonary Physics, University of Amsterdam
17. Solke Bruin, Emeritus Professor of Product-driven Process Technology, University of Eindhoven and Former Member Management Committee Unilever Research, Vlaardingen
18. Paul Cliteur, Professor of Legal Sciences, Member of the Senate of The Netherlands
19. Albert J.H.G. Cloosterman, Retired Chemical Engineer, Publicist on Climate and Cosmological Matters
20. Charles Coleman, former executive Olivetti Group International
21. Marcel Crok, Climate Researcher and Science Journalist
22. Gerhard Diephuis MSc, Geosciences, specialized in Geophysics, Lifetime Experience in the Geo-Energy Industry, Guest Lecturer TU Delft
23. Henck van Dijk, Sculptor, designer and innovator
24. David E. Dirkse, Former Computer Engineer and Teacher Mathematics
25. Dr. Tjibbe Dokter MBA, Expert in Scenario Analysis and Risk Assessment, retired from AkzoNobel
26. Marco Draaisma, ICT Process Coördinator
27. 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
28. Arjan Duiker, Process Technologist at Tata Steel, specialist on Thermodynamics and Fluid Mechanics
29. Louw Feenstra, Emeritus Professor Erasmus University and Philosopher, Rotterdam
30. Henk Goemans MSc, Geosciences, specialized in Reservoir Engineering
31. Frans H Gortemaker, Former Vice president Unilever Global R&D
32. W. J. Evert van de Graaff, Consulting Geologist, 50+ years Global Experience
33. Ton J.T. Grimberg, Oil & Gas Professional, Finance Adviser
34. Kees de Groot, Former Director Upstream Research Lab. Shell
35. Paul de Groot PhD, Geoscience, Manager dGB Earth Sciences
36. 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
37. Leo Halvers, Former Director Billiton Research Arnhem and Former Director Technology Foundation STW
38. Hans Hamaker, University Degree in Phonetic Sciences, expert in biomechanics of speech, supporter of plasma cosmology, former wireless communication officer
39. Maarten Hardon BSc, Civil Engineering, Lifetime Experience in Offshore Industry, Director Venty BV
40. Eduard Harinck, Former Logistics Expert, Nedlloyd Group/KPMG Consulting
41. Godard Hazeu MSc, Geosciences, specialized in Geology, past Technical Director of the Dutch State Oil and Gas Company EBN
42. Edward Heerema Msc in Civil Engineering TU Delft, President of Allseas, worldwide active in offshore pipelaying and platform lifting
43. J.R Hetzler, Retired WUR Engineer Forestry Economics
44. Jan F. Holtrop, Emeritus Professor of Petroleum Engineering, Delft University of Technology
45. Hans Hombroek MSc, Geoscience, Lifetime Experience in the International Geo-Energy Industry
46. Tom Hoornstra, Air-conditioning Engineer

47. Jan Horstink, Earth Scientist, Exploration Projects Oil & Gas ME & FE
48. A. Huijser, Physicist and Former CTO Royal Philips Electronics
49. Wouter J. Keller, Emeritus Professor of Statistical Methods, Former Member Board of Directors, Central Bureau of Statistics (CBS)
50. Jacques van Kerchove, Economist and Marketeer, Former CFO Rabobank, now Climate and Environment Researcher
51. Rob de Kok, Principal Geophysicist, researching Influence of CO₂ on Atmospheric Temperatures
52. Hans Kolmschate, Chemical Engineer
53. Henk de Koning MSc, former Principal Management Consultant Atos Consulting with specialisation Logistics, IT and Information Security
54. Rob W.J. Kouffeld †, Emeritus Professor of Energy Conversion, Delft University of Technology
55. Hans H.J. Labohm, Former Expert Reviewer IPCC
56. B.G. Linsen, Former Director Unilever Research Vlaardingen
57. Jaap M. van Luijk, Msc. Petroleum Engineering, lifetime experience in the international geo-energy industry
58. Pieter Lukkes, Emeritus Professor of Economic and Human Geography, University of Groningen
59. Hugo Matthijssen, Former Teacher Meteorology, now Publicist on Climate Matters
60. Ir. J.M. Mulderink, Former General Director Akzo-Nobel
61. Rob Nijssen, Radar Engineer and Publicist on Climate Matters
62. Rutger van den Noort PhD, Advisor in Innovation Processes, CEO Newcalf
63. Peter Oosterling, Former Scientist E & P Shell, now active as Climate Researcher
64. Kees Pieters, Mathematician, Former Operational Research and ICT manager at Shell
65. Reynier Pronk, Former IT Manager, Accredited Project Management Consultant and Trainer
66. Ir B. Peter Rauwerda Msc. in nuclear engineering, TU Delft
67. Louis M.P.T. van den Reek, PharmD, Member of 'De Groene Rekenkamer'
68. Jan C. Reinoud, retired CEO Dutch chain of Supermarkets
69. Kees Remi, Electrical Engineer, lifetime experience in Energy Distribution and Industrial Automation
70. Joseph Reynen, Finite Element Modeling Expert, Retired from EU Joint Research Centre in Ispra, Emeritus Associate professor TU Delft
71. G.T. Robillard, Emeritus Professor of Biochemistry and Biophysics
72. Kees Roos, Emeritus Professor of Optimization Technology, Delft University of Technology
73. Rutger van Santen, Emeritus Professor of Anorganic Chemistry and Catalysis, Former Rector Magnificus, Eindhoven University
74. Don Schäfer, Former Director Shell Exploration & Production and New Business, Shell
75. Dr. Rob Schoevaart, Biocatalist, Co-founder and Managing Director of ChiralVision, being specialised in making chemical processes greener
76. Chris Schoneveld, Earth Scientist and Retired Shell Exploration Geophysicist
77. Frans Schrijver, Strategy Consultant and Climate Publicist
78. Bert Sigmond, Geologist, Founder of EuGeNe Company in Geothermal Energy
79. Hendrick Smit, Chemical Engineer, specialised in Environmental Instrumentation
80. Jos de Smit, Emeritus Professor of Stochastic Operations Research and Former Rector Magnificus of the University of Twente
81. Barend-Jan Smits, Geologist, Former Director of Wintershall Nederland, BASF Group
82. Albert Stienstra †, Emeritus Professor of Computer Simulation and Micro-Electronics, Delft University of Technology
83. P.J. Strijkert, Former Member Board of Directors of DSM, Delft
84. Hans van Suijdam, Former Executive Vice President Research and Development DSM
85. Dick Swart, MSC; worldwide drilling expert, lifetime of experience in the geo-energy industry
86. 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'
87. Peter van Toorn, Former Research Geophysicist Shell
88. Fred Udo, Emeritus Professor of Nuclear Physics, Vrije Universiteit Brussels

89. 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
90. J.F. van de Vate, Former Director ECN, Petten, Former UN Delegate IPCC
91. Jan Verheij, Retired Scientist Applied Physics at TNO Delft, Emeritus Professor of Noise Control Engineering at Eindhoven University of Technology
92. Hans Verschuur MSc, Geosciences, specialized in Mining
93. H. Verveer, Civil Engineer, lifetime experience in maritime infrastructure and building services
94. Jannes. J. Verwer, Former Director ECN and Former Chairman Supervisory Board State Owned Radio Active Waste Storage Facilities
95. Dr Koen Vogel, Geologist and Geostatistician, lifetime experience in numerical modelling, proficient in evaluating and developing global energy projects
96. Henk van der Vorst, Emeritus Professor of Numerical Mathematics, University of Utrecht
97. Bart Vos, Msc Petroleum Engineering, Lifetime of Experience in the Geo-energy Industry
98. Rob de Vos, Geographer and Editor of "Klimaatgek"
99. Henk de Vries, lifetime experience in organised crime, expert in digital forensics
100. Jaap van der Vuurst de Vries, Emeritus Professor of Petroleum Engineering, Former Dean Faculty of Applied Earth Sciences, Delft University of Technology
101. Dr. André Wakker, energy expert, lifetime experience in nuclear energy, speaker and writer on energy transition
102. Karel Wakker, Emeritus Professor of Astrodynamics & Geodynamics, Delft University of Technology
103. Robert N. Walter MSc E.E., Member Advisory Board 'De Groene Rekenkamer'
104. Cyril Wentzel, Multi-Physics Engineer and Chairman of Environmental Think Tank 'Groene Rekenkamer'
105. Frans A. van der Werf, Master of Law, Owner of an International Business for Management, Consultancy and Finance
106. Dolf van Wijk, Formerly AkzoNobel Environmental Research Laboratory and Former Executive Director Cefic-Euro Chlor, Brussels
107. Jan Winkel MSc, Chemical Engineering, specialization in Natural Gas Projects, Lifetime Experience in the Geo-Energy Industry
108. Theo te Winkel, Geo Scientist and International Health Care Specialist
109. W.J. Witteman, Professor of Applied Physics and CO2 Lasers, University of Twente
110. Theo Wolters, Chairman Environment, Science & Policy Foundation, Co-founder 'Groene Rekenkamer' and 'Climategate.nl'
111. Dr. E.J. (Ed) Zuiderwijk, Retired Astrophysicist and Data Manager



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. Barry Brill OBE, Previously Minister of Science and Technology
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. Terry Dunleavy † MBE, Co-Founder (2006) and Honorary Secretary New Zealand Climate Science Coalition
8. Geoffrey. G. Duffy, Professor Emeritus, University of Auckland
9. Doug Edmeades, Managing Director agKnowledge Ltd.
10. Joe Fone, CAD Engineer, Enatel Ltd.
11. Gary Kerkin, Retired Chemical Engineer, Upper Hutt. Executive member New Zealand Climate Science Coalition
12. Brian Leyland, Power Systems Engineer and Experienced Renewable Energy Specialist
13. Gerrit J. van der Lingen, Geologist and Paleoclimatologist, New Zealand, Author of the Book "The Fable of Stable Climate"
14. Dr. John Maunder, Climate Scientist, President of the WMO Commission for Climatology 1989-1996

15. John Scarry ME (Civil), Structural Engineer, Member of the New Zealand Climate Science Coalition
16. John Sexton, Member of the New Zealand Climate Coalition
17. David Shelley, Emeritus Associate Professor Geology and latterly Dean of Postgraduate Studies, University of Canterbury, Christchurch
18. Philip Strong, Science Research Leader & Member of the New Zealand Climate Coalition
19. Richard Treadgold, Executive Member NZ Climate Scienc Coalition, Convenor Climate Conversation Group
20. 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. Stein Sorlie Bergsmark, Phycisist, Former Head of Renewable Energy Studies Programmes, University of Agder
5. Dr. Hans Borge, Associate Professor in Mathematics, University of Stavanger
6. Reidar Borgstrøm, Professor Emeritus in Fishbiology and Nature Conservation, University of Life Sciences
7. 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
8. Jon Gulbrandsen PhD, Biologist, Associate Professor NOFIMA and NOAA (USA)
9. Arve Gleissner Gustavsen, Msc in Cybernetics, Lifelong Experience in Design and Engineering
10. Røgnvaldur Hannesson, Professor Emeritus, Norwegian School of Economics
11. Geir Hasnes, Adjunct Associate Professor, Institute of applied Cybernetics, Norwegian University of Science and Technology
12. Martin Torvald Hovland, Geophysical and Geological Advisor, Former Lecturer at University of Tromsø
13. Ole Humlum, Professor Emeritus in Physical Geography, University of Oslo
14. Morten Jødal †, Biologist, Former Employee of the Norwegian Research Council and the Centre for the Development and Environment at the University of Oslo
15. Dr. Ing. Hans Konrad Johnsen, Dr. Ing.
16. Arnfinn Langeland, Professor Emeritus Biology, Norwegian University of Science and Technology
17. Willy Nerdal, Professor of Chemistry, University of Bergen
18. Elen Roaldset, Emertitus Professor in Geology, University of Oslo, Former Director of Natural History Museum Oslo, Professor at Norwegian University of Science and Technology
19. Ulf Torgny Rock, Master of Chemical Engineering, Norsk Hydro
20. Håkon Gunnar Rueslåtten, Geological Researcher, Trondheim
21. Tom V. Segalstad, Associate Professor Emeritus of Geochemistry, University of Oslo
22. Jørgen Stenersen, Professor Emeritus Eco-Toxicology, University of Oslo



SCIENTISTS AND PROFESSIONALS FROM PARAGUAY

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



SCIENTISTS AND PROFESSIONALS FROM THE PHILIPPINES

1. Melanchthon Bernil, Professional Chemical Engineer

SCIENTISTS AND PROFESSIONALS FROM POLAND

1. Marek Boinski, Chairman of the National Section of Energy Workers' Union NSZZ
2. Jaroslaw Grzesik, Chairman of the National Secretariat of Mine and Energy Workers' Union NSZZ
3. Dominik Kolorz, Chairman of the Slasko-Dabrowski Region of NSZZ



SCIENTISTS AND PROFESSIONALS FROM PORTUGAL

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



SCIENTISTS AND PROFESSIONALS FROM RUSSIAN FEDERATION

1. Habibullo Abdussamatov, Head of the Space Research Sector of the Sun, Pulkova Observatory RAS and Head of the Lunar Observatory Project on Monitoring of the Climate
2. 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)
3. Henni Ouerdane, Assistant Professor, Manager of the Energy Systems PhD Programme, Skolkovo Institute of Science and Technology, Moscow Region
4. Dr. Michael Petelin, professor of the University of Nizhny Novgorod, head researcher of the Institute of Applied Physics, Nizhny Novgorod



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. Kelvin Kemm PhD, Nuclear Physicist, CEO Nuclear Africa, Pretoria
3. Dr. John Ledger PhD, Visiting Associate Professor at the University of the Witwatersrand, Energy and Environmental Consultant, Consulting Editor, Freelance Writer, Editor and Lecturer
4. Don Mingay, Retired Professor of Nuclear Physics
5. Dr. Henrique J.S. de Barros Pinheiro, Geologist, Invited Associate Professor, Universidade Fernando Pessoa, Porto, Portugal



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*



SCIENTISTS AND PROFESSIONALS FROM SPAIN

1. *Blanca PargaLanda PhD, Modelling Expert, specialist in Environmental Law; WCD Ambassador*
2. Ferran Brunet, Professor on the European Economy, Unniversitat Autònoma de Barcelona
3. 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.
4. Climatology and doing Research on the topic, University of Zaragoza, Dep. Geografia
5. Antonio J. Huertas, Engineer with 35 years experience in Energy Politics and Operation, and Environmental Care
6. Luis Pomar, Emeritus Professor of the University of the Balearic Islands, Spain, Sedimentologist specialized in the study of Carbonate Rocks which the Impact of CO₂ and Paleoclimate are essential to understand the origin of these rocks



SCIENTISTS AND PROFESSIONALS FROM SWEDEN

1. *Ingemar Nordin, Emeritus Professor Philosophy of Science, Linköping University; WCD Ambassador*
2. Leif Åsbrink PhD, Technology at KTH in Molecular Physics, Stockholm
3. Sture Åström MSc, Technology, Professional in Climate Issues, Secretary of the Swedish Network Klimatsans
4. Rolf Bergman, Emeritus Professor of Physical Chemistry, Uppsala University
5. Dr. Lars Bern, Member of The Royal Swedish Academy of Sciences, Retired CEO in Incentive AB
6. Magnus Cederlöf, Software Specialist, Stockholm

7. Tore Dalvåg MSc, Physics, Research Engineer in Hydrodynamics and Thermodynamics, Senior Advisor in Environmental Standards, Author of 'CO₂ a source of life or a threat'
8. Hans Eklund PhD, Technology, Acting Professor at the Department of Laser-and Electro-optics, Chalmers University of Technology, Gothenburg
9. Per-Olof Eriksson, Physicist, Former CEO of Sandvik Group
10. Dr. Anders Flodin PhD, Mechanical Engineering, NC, USA
11. David D. Gee, Professor Emeritus Orogen Dynamics, Uppsala University
12. Anders Grufman MSE, MA Economics, Industrial and Environmental Economics
13. Jan Hagberg PhD, Statistics, Stockholm
14. Lars Hässler PhD, Rock and Soil Mechanics, Bsc Chemistry and Biology, MSc Civil Engineering
15. Eilif Hensvold PhD, Mathematics, Associate Professor of Mathematics (Retired), Simulation of Large-scale Industrial Systems, Uppsala University, Luleå Technical University
16. Gunnar Holmgren PhD, Space Physics, Retired Head of Dept. of Engineering Sciences, Uppsala University
17. Mats Janson MSc, Electrical Engineering, KTH Royal Institute of Technology, Stockholm
18. Hans Jelbring, Climate Researcher
19. Göran Johansson, Specialist in Energy Systems
20. Claes Johnson, Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
21. Gunnar Juliusson, Professor of Hematology, Lund University, Senior Consultant, Skåne, University Hospital, Lund
22. Sten Kaijser, Emeritus Professor of Mathematics, Uppsala University
23. Johnny Kronvall Mah, Emeritus Professor in Building Physics, Malmö University and Lund University
24. Lars E. Linder, Associate Professor of Medicine, Gothenburg
25. Rune Lundgren MSc, Helsinki University of Technology, Energy System Expert
26. Johan Montelius, Associate Professor of Computer Science at the Royal Institute of Technology, Stockholm
27. Jacob Nordangård PhD, Technology and Social Change at the University of Linköping, Researcher on Climate Change History
28. Gösta Pettersson, Emeritus Professor in Biochemistry, University of Lund
29. Marian Radetzki, Emeritus Professor of Economics, Luleå University of Technology
30. Mats Rosengren, Mathematics, Space Flight Trajectory Specialist
31. Torsten Sandström, Professor Emeritus, Department of Law, University of Lund
32. Rabbe Sjöberg PhD, Geology, Member of Paleogeophysics & Geodynamics Institute
33. Peter Stilbs, Emeritus Professor of Physical Chemistry, Royal Institute of Technology (KTH), Stockholm
34. Lars H. Thylen, Professor Emeritus in Photonics, Dept. of Theoretical Chemistry and Biology, Royal Institute of Technology, Stockholm, specializing in Low Power Nanophotonics Technology
35. Gösta Walin, Professor Emeritus in Oceanography at University of Gothenburg
36. Elsa Widding, Consultant, Author on Climate Change, Stockholm
37. Lech Wosinski, Researcher Emeritus, Associate Professor, Royal Institute of Technology, Stockholm



SCIENTISTS AND PROFESSIONALS FROM SWITZERLAND

1. Thomas Binder, Cardiologist and Internist
2. Rene Funk, Software engineer, specialized in Analysing Satellite, Sea and land Temperature
3. Werner Furrer MSc, Mathematics and Physics, President of the Climate Realistic Group in Switzerland
4. Christian Jacot, Pharmacist
5. Joseph Ongena, Member of the Permanent Monitoring Panel for World Energy, World Federation of Scientists, Geneva
6. Dr. Jean-Claude Pont, Dr. Math., Emeritus Professor of The History of Philosophy of Sciences, University of Genève
7. Dr. Franz-Karl Reinhart, Emeritus Professor of Physics, Lausanne

8. 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
9. Lars Schernikau, Energy Economist, Entrepreneur & Author



SCIENTISTS AND PROFESSIONALS FROM UK

1. Christopher The Viscount Monckton of Brenchley, Peer of the Realm and Author of several reviewed papers on Climate; WCD Ambassador
2. Neils C. Arveschoug, Geophysicist, Private start-up Oil E&P Company
3. Andrew P. Barker, Biological Chemist
4. Paul Binns, Former Research Geoscientist and Climate Researcher
5. David Bodecott, Geologist/Geophysicist, Fellow of the Geological Society of London
6. D.Q. Bowen, Emeritus Professor of Earth and Ocean Sciences, Fellow International Union for Quaternary Research, Cardiff University
7. Michael Brown, Expert in Large Scale Thermal Fluid Dynamic Models
8. Brian R. Catt, Physicist, Electrical Engineer, Retired, publishing papers on Energy and Climate Change
9. John C.W. Cope, Professor of Geology, National Museum Wales, Cardiff
10. Richard Courtney, Retired Material Scientist, Expert Peer Reviewer of the IPCC
11. Peter Cunningham, Expert in Mathematical Modelling of Complex Physical Phenomena
12. Isabel Davies, Geophysicist and Entrepreneur
13. 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
14. Howard Dewhurst FGS, Geologist, Initiator Open Letter to the Geological Society of London
15. Gregor Dixon FGS, Geologist, Former Member Geological Society of London
16. Roderick Paul Eaton, MBA FIET MCMI, Retired Consultant Energy Industry Analyst/Management Consultant
17. Peter Etherington-Smith, Geologist/Oceanographer, Coral Reef Researcher, MSc Petroleum Engineering (Imperial), life-time international experience in developing countries, retired from BG
18. Gil Gilchrist, Geophysicist
19. Peter Gill, Physicist, Ex Chair Institute of Physics Energy Group, Ex London Branch Chair & Fellow of EI
20. 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
21. Jimmy Haigh, Independent Geological Consultant
22. Tim Harper, Geomechanics Consultant and Researcher, previous Recipient of the Royal Academy of Engineering MacRobert Award for Engineering Innovation
23. John Harrison, Former Chartered Physicist and Chartered Engineer
24. Robert Heath, Retired Geophysicist, Honorary member of the Indian Society of Petroleum Geologists
25. Alex Henney, Formerly London Electricity Board, Consultant on Electricity Matters
26. Roger Higgs, DPhil (Oxon), Independent Geological Consultant, Geoclastica Ltd.
27. Keith H. James PhD, Consultant Geologist
28. David A.L. Jenkins, Geologist, Director Hurricane Energy plc
29. Chris Jesshope, Emeritus Professor University of Amsterdam, Director Techne Consulting Ltd.
30. Roger Longstaff, Experimental Space Physicist and Company Director
31. CJ Matchatte-Downes, Geologist and Geochemist, particularly involved in studies about past Climates including Glaciation
32. Philip Mulholland, Geoscientist, Life time experience in the Geo-Energy Industry, co-author of the DAET climate model
33. Stuart Munro, Exploration Geologist and Geophysicist
34. Edward Nealon, Geologist Member of the Australian Institute of Mining & Metallurgy
35. Blair Nimmo, Electronic Engineer, working in Computer Networking and Optical Surface Metrology and Fibre Optics
36. Michael John Oates, Geologist, Lifetime Experience in the Geo-Energy Industry, Fellow of the Geological Society of London
37. Peter Owen FGS, Fellow of the Geological Society of London

38. Dennis Paterson, Geologist, Retired
39. Dr. James Petch, Physical Geographer, formerly Reader in Environmental Science at MMU and Head of Distributed Learning at the University of Manchester
40. Clive Randle, Geologist, Fellow of the Geological Society of London
41. Michael J. Rath, Professional Forrester
42. Dr. Colin Richard Reeves, Emeritus Professor of Operational Research, Expert in Mathematical Modelling
43. Ceri Reid, Researcher, Engineer and Manager
44. Michael F. Ridd, Geologist, Fellow of the Geological Society of London
45. Anthony Robb PhD, Retired Chemist
46. Richard Saumarez, Biomedical Engineer from Imperial College
47. Michael Seymour, Geologist, Fellow of the Geological Society of London
48. 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
49. Leslie Thomson, Retired Vice President Operations, BP Exploration, Aberdeen
50. Dr. Glenn K. Wakley, Emeritus Associate Professor Biological Science, Fellow of the Royal Society of Biology and member of The Anatomical Society
51. Jay Willis, Marine Scientist, Associate of the OxNav Group of Oxford University
52. Valentina Zharkova, Professor of Mathematics and Astrophysics, Northumbria University, Newcastle upon Tyne



SCIENTISTS AND PROFESSIONALS FROM USA

1. *Richard Lindzen, Emeritus Professor Atmospheres, Oceans and Climate, MIT; WCD Ambassador*
2. Ralph B. Alexander, Emeritus Professor of Physics, Science Writer
3. Dr. Syun-Ichi Akasofu, Professor of Geophysics, Founding Director of the International Arctic Research Center of the University of Alaska Fairbanks from 1998 until 2007. Previously, prof. Akasofu had been director of the University's Geophysical Institute
4. Anthony J. Armini, Retired Founder and CEO Implant Sciences Corp.
5. Dr. Malgorzata Askanas, Senior R&D Associate at the Aurora Biophysics Research Institute
6. Hans-Peter Bähr, Emeritus Professor of Pharmacology, Canada and Former Dean of Basic Medical Sciences, American University of Barbados, Barbados
7. 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
8. Charles G. Battig, Climate Adviser, Heartland Institute
9. 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
10. Larry Bell, Endowed Professor of Space Architecture, University of Houston
11. Frank X. Bellini, Geologist and Environmental Scientist, lifetime experience in the nuclear power industry
12. David J. Benard, Chemical Physicist & Co-inventor of the Oxygen-iodine Chemical Laser
13. Edward X. Berry PhD, Atmospheric Physicist, American Meteorological Society, Author, Climate Physics LLC
14. Jared L. Black, Numerical Analysis Consultant, ScD
15. Elliott D. Bloom, Emeritus Professor of Particle Physics and Astrophysics, KIPAC-SLAG, Stanford University
16. David Boleneus, Professional Geologist
17. Daniel Botkin, Emeritus Professor of Biology, Climate Researcher, Author of the Book: *Twenty-five Myths That Are Destroying the Environment*
18. Robert L. Bradley jr., CEO and Founder of the Institute for Energy Research
19. Dr. William Briggs, Alumnus Cornell University, Writer and Philosopher
20. Clare Livingston (Bud) Bromley III, BS Natural Sciences, scientific instruments executive
21. James W. Buell PhD, Aquatic Biologist, Consultant

22. 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
23. David Burton, System and Computer Scientist, Expert Reviewer of AR5 and AR6, Member of the CO2 Coalition, and Creator of the SeaLevel.info website
24. 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
25. Sharon R. Camp PhD, Retired Analytical Chemist and Environmental Scientist
26. Nick Capaldi PhD, Author Books on Logic, the Scientific Method and the Philosophy of Science
27. Roy Clark, Climate Researcher, Retired Engineer, California
28. Sabin W. Colton PhD, Biochemist and Marine Biologist
29. Martin Cornell, Retired Senior Scientist, Dow Chemical Company
30. 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
31. Raphael D'Alonzo, Analytical Chemist, Retired Associate Director, the Proctor & Gamble Company
32. George Davey, Physicist, University of Iowa
33. Donn Dears, GE Company Engineer, and Senior Executive, Retired, Author of 'Net-zero Carbon, The Climate Policy Destroying America'
34. James DeMeo PhD, Retired Expert in Earth and Atmospheric Science, Oregon
35. David Deming, Professor of Arts & Sciences, University of Oklahoma
36. Jack D. Downing, Geologist and Geophysicist
37. Paul Driessen, Senior Policy Advisor, Committee for a Constructive Tomorrow (CFACT) and Congress of Racial Equality (CORE)
38. John Droz jr., Physicist, Founder of AWED Alliance
39. John Dale Dunn MD, JD, Lecturer Carl R. Darnall Army Medical Center, Fort Hood, Texas
40. Vincent Esposito, Adjunct Professor University of Pittsburg, PA, Doctor of Science in Nuclear Engineering (Un. FoViginia), Retired Manager from Westinghouse Electric Company
41. Peter Farrell, Fellow of the US National Academy of Engineering
42. Rex Fleming, Research Scientist, Author of Book on Carbon Dioxide Fallacy, Retired President Global Aerospace
43. Jim Folcik, Geosciences Manager Extraction Oil & Gas
44. Dr. Neil Frank, Lifetime of Experience in Research and Forecasting in Tropical Meteorology, Former Director National Hurricane Center
45. Patrick Frank PhD, SLAC National Accelerator Laboratory, Stanford University
46. Gordon J. Fulks, Astrophysicist, Board of Directors CO2 Coalition, Co-founder Global Warming Realists
47. Terry Gannon, Physicist, Retired Semiconductor Executive
48. Nicholas De Gennaro PhD, PE, Coastal Engineer, Southport North Carolina
49. Dr. Lee C. Gerhard, Getty Professor of Geologic Engineering, Colorado School of Mines (Ret.); State Geologist and Director, Kansas Geological Survey (Ret.)
50. Ulrich H. Gerlach, Professor of Mathematics, Ohio State University
51. 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
52. 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
53. Steve Goreham, Executive Director, Climate Science Coalition of America
54. Laurence I. Gould, Professor of Physics, University of Hartford, Past Chair, New England Section of the American Physical Society
55. Mike Gruntman, Professor of Astronautics, Space Physics and Space Technology, Space and Rocket History University of Southern California
56. 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
57. Lyle W. Hancock, Professional Mathematician

58. Dr. William Happer, Professor Emeritus in the Department of Physics at Princeton University
59. Bryan Haycock PhD, Adjunct Faculty at a University in the state of Utah
60. Howard C. Hayden, Emeritus Professor of Physics, University of Connecticut
61. David Heald, Retired Electrical Engineer
62. 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
63. Oliver Hemmers, Retired Executive Director of the Harry Reid Center at the University of Nevada, Las Vegas
64. 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)
65. Jim Hollingworth, Social Scientist, Book: 'Climate Change: A Convenient Truth'
66. Dr. Gary M. Hoover, Geophysicist, Lifetime Experience in the Geo-Energy Industry, Retired Member Board of Directors Geo-Service Company
67. Edward Huff PhD, Retired NASA Senior Scientist
68. Kathryn E. Kelly, President Delta Toxicology
69. Hugh Kendrick PhD, Retired Director Plans and Analysis, Office of Nuclear Reactor Research, US Dept. of Energy, Fellow American Physical Society
70. Stephen C. Knowles, Marine Scientist and Geologist, Beacon, New York
71. Kenneth D. Kok, retired Nuclear Engineer, ASME Fellow, Past Chair of the ASME Nuclear Engineering Division and the ASME Energy Committee
72. Wayne P. Kraus, Member American Institute of Chemical Engineers (AIChE)
73. Jay Lehr PhD, Senior Policy Analyst for the International Climate Science Coalition, Former Science Director of the Heartland Institute
74. David P. Lentini, Chemist and Patent Attorney, New Hampshire
75. Howard R. Lowe, Prof. Eng., Geologist
76. Jeffrey Mahn, Retired Nuclear Engineer Sandia National Laboratories (New Mexico), Member Scientists for Accurate Radiation Information (SARI), Member Nuclear Society (ANS)
77. Matt Malkan PhD, Distinguished Professor of Physics and Astronomy, UCLA
78. Wally Manheimer, Retired from the US Naval Research Lab and life fellow of APS and IEEE
79. James A. Marsh, Emeritus Professor of Immunology, Cornell University, Dept. of Microbiology and Immunology
80. Andy May, Writer and Retired Petrophysicist
81. 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 for DARO
82. Craig McCluskey PhD, Physics
83. Richard McFarland, Retired NASA Physicist
84. Mark Meier PhD, Professor of Physics, University of Houston
85. Samuel Melfi, Emeritus Professor of Physics, UMBC, Retired NASA Scientist
86. Kenneth Melvin MD, Retired Professor of Medicine, Portland, Oregon
87. Patrick J. Michaels, Competitive Enterprise Institute, Washington DC
88. Steven Milloy, MHS, JD, LLM, Publisher
89. Ference M. Miskolczi, Retired NASA/AS&M Senior Scientist, Foreign Associate Member of the Hungarian Academy of Sciences
90. Brian Moody, Former GET Specialist for SMS Equipment in Ft McMurray
91. James Moore, Commercial Fisherman, President Alaska Trawlers Association, Executive Committee Northern Southeast Regional Aquaculture Association, Board member Armstrong Keta Inc.
92. David R. Motes, Chemical Engineer, lifelong experience in the geo-energy industry
93. Daniel W. Nebert, Professor Emeritus, Department of Environmental Medicine and Center for Environmental Genetics, University of Cincinnati
94. Danny L. Newton, Retired from Federal Aviation Administration (FAA), Experience in Working with NOAA with respect to Experimental Weather Data Collection
95. Ned Nikolov PhD, Physical Scientist at the USFS Rocky Mountain Research Station in Fort Collins CO, Managing a Fire-Weather Intelligence Project

96. Thomas O'Connor, Member American Association of Petroleum Geologists, Washington
97. Kenton Oma, Retired PE Chemical Engineer, Environmental Engineering, Environmental Consultant, R&D at DOE Nuclear Facility
98. Jane M. Orient, President of Doctors for Disaster Preparedness
99. Trueman D. Parish, Retired Director of Engineering Research Eastman Chemical Company
100. Arvid Pasto PhD, Ceramics, Retired from the Oak Ridge National Laboratory, TN
101. Charles W. Pennington, Senior Vice President of Engineering NAC International (Retired), Secretary, XLNT Foundation, Board of Directors
102. 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
103. James M. Policelli, Registered Professional Engineer
104. Herman A. Pope, Retired Aerospace Engineer NASA-JSC
105. Willem Post, Independent Researcher regarding Energy and Environment
106. Kenneth L. Purdy, Management Consultant, Retired Naval Officer in Operational Intelligence
107. Forrest J. Remick, Commissioner (Retired), US Nuclear Regulatory Commission
108. James H. Rust, Emeritus Professor of Nuclear Engineering, Georgia Institute of Technology
109. Charles L. Sanders, Retired Radiobiologist, Author of Radiobiology and Radiation Hormesis: New Evidence and Its Implications for Medicine and Society (Springer)
110. Rick Sanders M.A., Scientists for Accuracy in Radiation Information (SARI), Associate Editor, 21st Century Science and Technology Magazine
111. 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
112. Dr. Thomas P. Sheahen, Chairman, Science & Environmental Policy Project
113. John Shewchuk, Meteorologist (CCM) and Atmospheric Researcher
- 114. David Siegel, author, entrepreneur, critical thinker, communicator (1000th signee)**
115. Robert P. Smith PhD, P.E., Environmental Scientist and Professional Engineer'
116. 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
117. Willie Soon, Independent Scientist
118. Walter Starck PhD, Marine Science, Pioneer in Coral Reef Studies, Policy Advisor to The Heartland Institute
119. Jim Steele, Emeritus Director Sierra Nevada Field Campus, San Francisco State University
120. Ronald Stein, Professional Engineer
121. Gerald M. Sulzer, MS Chemical Engineer, Retired Director of Technology, Albemarle Corporation
122. Tomer D. Tamarkin, Physicist, Founder and President/CEO of Energycite Inc., President and Chairman of ClimateCite Inc.
123. Paul Taylor, Energy Economist, Recipient Rossitor Raymond Award, Golden Colorado
124. David E. Thompson, Professor Emeritus Mechanical Engineering and Computer Science, Dean Emeritus College of Engineering, University of Idaho
125. Cecil Joe Tomlinson, Retired Boeing Senior Principle Engineer
126. Kip Trout, Lecturer in Physics, The Pennsylvania State University – York Campus
127. Richard Trzupek, Chemist and Air Quality Expert
128. Arthur Viterito PhD, Physical Geography, Policy Adviser to the Heartland Institute
129. William B. Walters, Guggenheim Fellow, Professor of Atmospheric, Nuclear and Environmental Chemistry, University of Maryland
130. James Wanliss, Professor of Physics, Presbyterian College
131. Steven E. Weismantel, Retired Engineer and Climate Researcher
132. Chuck F. Wiese, Professional Meteorologist
133. David Wojick, Cognitive Scientist
134. Dr. Calvin M. Wolff, Adjunct Professor University of Houston at Clear Lake, Expertise in Energy Management

135. Gregory R. Wrightstone, Expert Reviewer IPCC, Geologist, Author, Member CO₂ Coalition
136. Bob Zybach, Program Manager, Oregon Websites and Watersheds Project Inc.



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.

*Graphic design: www.zinontwerpers.nl
Lay-out: Little Shop of Graphics*



GLOBAL CLIMATE INTELLIGENCE GROUP

WWW.CLINTEL.ORG