

The background is a solid blue color with a faint, stylized map of the world overlaid. The map is composed of light blue and white shapes representing continents and oceans, centered on the globe. The text is white and bold, centered on the page.

**THERE IS NO  
CLIMATE  
EMERGENCY**

# There is no climate emergency

*A global network of 500 scientists and professionals has prepared this urgent message. Climate science should be less political, while climate policies should be more scientific. Scientists should openly address the uncertainties and exaggerations in their predictions of global warming, while politicians should dispassionately count the real benefits as well as the imagined costs of adaptation to global warming, and the real costs as well as the imagined benefits of mitigation.*

## **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. Only very few peer-reviewed papers even go so far as to say that recent warming is chiefly anthropogenic..

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

The world has warmed at less than half the originally-predicted rate, and at less than half the rate to be expected on the basis of net anthropogenic forcing and radiative imbalance. It 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. Moreover, they most likely exaggerate the effect of greenhouse gases such as CO<sub>2</sub>. In addition, they ignore the fact that enriching the atmosphere with CO<sub>2</sub> is beneficial.

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

CO<sub>2</sub> is not a pollutant. It is essential to all life on Earth. Photosynthesis is a blessing. More CO<sub>2</sub> is beneficial for nature, greening the Earth: additional CO<sub>2</sub> in the air has promoted growth in global plant biomass. It is also good 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, CO<sub>2</sub>-mitigation measures are as damaging as they are costly. For instance, wind turbines kill birds and insects, and palm-oil plantations destroy the biodiversity of the rainforests.

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

There is no climate emergency. Therefore, there is no cause for panic and alarm. We strongly oppose the harmful and unrealistic net-zero CO<sub>2</sub> policy proposed for 2050. If better approaches emerge, we will have ample time to reflect and adapt. The aim of international policy should be to provide reliable and affordable energy at all times, and throughout the world.

Our advice to political 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.



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18. Jan F. Holtrop, Emeritus Professor of Petroleum Engineering, Delft University of Technology
19. A. Huijser, Physicist and Former CTO Royal Philips Electronics
20. W. J. (Wouter) Keller, Emeritus Professor of Statistical Methods, Former Member Board of Directors, Central Bureau of Statistics (CBS)
21. Jacques van Kerchove, Economist and Marketeer, Former CFO Rabobank, now Climate and Environment researcher
22. R.W.J. Kouffeld, Emeritus Professor of Energy Conversion, Delft University of Technology
23. Hans H.J. Labohm, Former Expert Reviewer IPCC
24. Kees le Pair, Physicist, Former Director of Research organisations FOM and Technology & former member of the General Energy Council, The Netherlands
25. B.G. Linsen, Former Director Unilever Research Vlaardingen, The Netherlands
26. Pieter Lukkes, Emeritus Professor of Economic and Human Geography, University of Groningen

27. Hugo Matthijssen, Former Teacher Meteorology, now Publicist on Climate Matters
28. Simon Middelhoek, Emeritus Professor of Electronic Instrumentation and Sensors, Delft University of Technology, Member of the Royal Netherlands Academy of Arts and Sciences and Member of the National Academy of Engineering, USA
29. J.M. Mulderink, Former General Director Akzo-Nobel
30. Rob Nijssen, Radar Engineer and Publicist on Climate Matters
31. Leffert Oldenkamp, Expert Forest Management
32. Peter Oosterling, Former Scientist E & P Shell, now active as Climate Researcher; member of the ED support team
33. Kees Pieters, Mathematician; Former Operational Research and ICT manager at Shell
34. Reynier Pronk, Former IT Manager, Accredited Project Management Consultant and Trainer
35. G.T. Robillard, Emeritus Professor of Biochemistry and Biophysics
36. Arthur Rörsch, Former Member Board of Directors, TNO, The Netherlands
37. Don Schäfer, Former Director Shell Exploration & Production and New Business, Shell
38. Frans Schrijver, Strategy Consultant and Climate Publicist
39. Jos de Smit, Emeritus Professor of Stochastic Operations Research and Former Rector Magnificus of the University of Twente
40. Albert Stienstra, Emeritus Professor of Computer Simulation and Micro-Electronics, Delft University of Technology
41. P.J. Strijkert, Former Member Board of Directors of DSM, Delft, The Netherlands
42. Dick Thoenes, Emeritus Professor of Chemical Technology, Technical University of Eindhoven
43. Fred Udo, Emeritus Professor of Nuclear Physics, Vrije Universiteit Brussels, Belgium
44. J.F. van de Vate, Former Director ECN, Petten, The Netherlands. Former UN Delegate IPCC.
45. Frans van den Beemt, Nuclear Physicist, Former Program Director Technology Foundation STW
46. Rutger van Santen, Emeritus Professor of Anorganic Chemistry and Catalysis, Former Rector Magnificus, Eindhoven University
47. Barend-Jan Smits, Geologist, Former Director of Wintershall Nederland, BASF Group
48. Hans van Suijdam, Former Executive Vice President Research and Development DSM, The Netherlands
49. Peter van Toorn, Former Research Geophysicist Shell
50. Jannes J. Verwer, Former CEO Large Electricity Generation Group and Former Chairman Supervisory Board State Owned Radio Active Waste Storage Facilities, The Netherlands
51. Henk van der Vorst, Emeritus Professor of Numerical Mathematics, University of Utrecht
52. Jaap van der Vuurst de Vries, Emeritus Professor of Petroleum Engineering, Former Dean Faculty of Applied Earth Sciences, Delft University of Technology
53. Karel Wakker, Emeritus Professor of Astrodynamics & Geodynamics, Delft University of Technology
54. Cyril Wentzel, Multi-Physics Engineer and Chairman of Environmental Think Tank 'Groene Rekenkamer'
55. Dolf van Wijk, Formerly AkzoNobel Environmental Research Laboratory and Former Executive Director Cefic-Euro Chlor, Brussels
56. W.J. Witteman, Professor of Applied Physics and CO2 lasers, University of Twente
57. Theo Wolters, Co-founder 'Groene Rekenkamer' and 'Climategate.nl'



#### SCIENTISTS AND PROFESSIONALS FROM NORWAY

1. *Morten Jødal, Biologist, Former Employee of the Norwegian Research Council and the Centre for the Development and Environment at the University of Oslo; ECD Ambassador*
2. Gunnar Abrahamsen, Professor Em. Soil Science, University of Life Sciences, Norway
3. Stein Storlie Bergsmark, Physicist, Former head of renewable Energy Studies Programmes, University of Agder, Norway
4. Reidar Borgstrøm, Professor Emeritus in fishbiology and Nature Conservation, University of Life Sciences Norway

5. Jon Gulbrandsen, PhD, biologist, Associate Professor NOFIMA and NOAA (USA), Norway
6. Røgnvaldur Hannesson, Professor Emeritus, Norwegian School of Economics, Norway
7. Geir Hasnes, Adjunct Associate Professor, Institute of applied Cybernetics, Norwegian University of Science and Technology, Norway
8. Hans Konrad Johnsen, Dr. Ing., Norway
9. Arnfinn Langeland, Professor Emeritus Biology, Norwegian University of Science and Technology
10. Willy Nerdal, professor of Chemistry, University of Bergen
11. Ulf Torgny Rock, Master of Chemical Engineering, Norsk Hydro, Norway
12. Martin Torvald Hovland, Geophysical and Geological Advisor, Former Lecturer at University of Tromsø
13. Elen Roaldset, Emeritus Professor in Geology, University of Oslo, Former Director of Natural History Museum Oslo, Professor at Norwegian University of Science and Technology
14. Hakon Gunnar Rueslatten, Geological Researcher, Trondheim
15. Tom V Segalstad, Associate Professor Emeritus of Geochemistry, University of Oslo, Norway
16. Jan-Erik Solheim, Professor Emeritus Astrophysics, University of Oslo
17. Jørgen Stenersen, Professor Emeritus Eco-Toxicology, University of Oslo



### 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 SWEDEN

1. *Ingemar Nordin, Emeritus Professor Philosophy of Science, Linköping University; ECD Ambassador*
2. Sture Åström, Professional in cClimate Issues, Secretary of the Swedish Network Klimatsans
3. Rolf Bergman, Emeritus Professor of Physical Chemistry, Uppsala University
4. Dr. Lars Bern, Member of The Royal Swedish Academy of Sciences, Retired CEO in Incentive AB
5. Magnus Cederlöf, Software Specialist, Stockholm
6. Per-Olof Eriksson, Physicist, Former CEO of Sandvik Group
7. Dr. Anders Flodin, Business Development Manager, Höganäs AB in North Carolina
8. David D. Gee, Professor in Orogen Dynamics, Uppsala University, Sweden
9. Hans Jelbring, Climate researcher
10. Claes Johnson, Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
11. Gunnar Juliusson, Professor of Hematology, Lund University, Senior Consultant, Skåne, University Hospital, Lund
12. Sten Kaijser, Emeritus Professor of Mathematics, Uppsala University
13. Johan Montelius, Associate Professor of Computer Science at the Royal Institute of Technology, Stockholm
14. Nils-Axel Mörner, Emeritus Professor Geology, President of the Independent Committee on Geoethics. Former head of Paleogeophysics & Geodynamics at Stockholm University
15. Gösta Pettersson, Emeritus Professor in Biochemistry, University of Lund
16. Marian Radetzki, Emeritus Professor of Economics, Luleå University of Technology
17. Peter Stilbs, Emeritus Professor of Physical Chemistry, Royal Institute of Technology (KTH), Stockholm
18. Elsa Widding, Consultant, Author on Climate Change, Stockholm



## SCIENTISTS AND PROFESSIONALS FROM SWITZERLAND

1. Jean-Claude Pont, Dr. Math., Emeritus Professor of The History of Philosophy of Sciences, University of Genève
2. Jef Ongena, Member of the Permanent Monitoring Panel for World Energy, World Federation of Scientists, Geneva



## SCIENTISTS AND PROFESSIONALS FROM UNITED KINGDOM

1. *Christopher Monckton of Brenchley, Peer of the Realm and author of several reviewed papers on climate; ECD Ambassador*
2. David Bodecott, Consultant Geophysics and Geology, Fellow of the Geological Society of London
3. D. Q. Bowen, Emeritus Professor of Earth and Ocean Sciences, Fellow International Union for Quaternary Research, Cardiff University
4. Michael Brown, Expert in large scale thermal fluid dynamic models.
5. John C. W. Cope, Professor of Natural Sciences, National Museum Wales, Cardiff
6. Richard Courtney, Retired Material Scientist, Expert Peer Reviewer of the IPCC
7. Isabel Davis, Geophysicist and Entrepreneur
8. Howard Dewhirst FGS, Geologist, Initiator Open Letter to the Geological Society of London
9. Gregor Dixon FGS, Geologist, former member Geological Society of London
10. Roderick Paul Eaton, Retired Energy Systems Analyst from the UK Electricity Supply Industry
11. Peter Gill, Physicist, Former Chair of the Institute of Physics Energy Group, UK
12. Gil Gilchrist, Geophysicist, UK
13. Tim Harper FGS, Geologist, Entrepreneur, Devon
14. Bob Heath, retired Geophysicist, Honorary member of the Indian Society of Petroleum Geologists
15. David A. L. Jenkins, Geologist, Director Hurricane Energy plc
16. Chris Matchatte-Downes, Geologist, fellow of the geological Society of Gt Britain
17. Edward Nealon, Geologist Member of the Australian Institute of Mining & Metallurgy, UK
18. Peter Owen FGS, Fellow of the Geological Society of London
19. Clive Randle, Geologist, Fellow of the Geological Society of London
20. Michael F. Ridd, Geologist, Fellow of the Geological Society of London
21. Michael Seymour, geologist, Former Managing Director Aurelian Oil & Gas and Trajan Oil limited
22. Valentina Zharkova, Professor of Mathematics and Astrophysics, Northumbria University, Newcastle upon Tyne

## SCIENTISTS FROM OUTSIDE THE EU



### SCIENTISTS AND PROFESSIONALS FROM AUSTRALIA

1. *Viv Forbes, Geologist with Special Interest in Climate, Founder of www. carbon-sense.com, Queensland, Australia; ECD Ambassador*
2. Don Andersen,
3. David Archibald, Research Scientist, Australia
4. Michael Asten, Emeritus Professor in Geophysics and Continuing Senior Research Fellow at the Monash University, Melbourne
5. Jeremy Barlow, Energy and Mining professional, Director and CEO, Australia
6. Colin Barton, Geologist, Former Principal Research Scientist CSIRO, Australia
7. Gordon Batt, Director GCB Investments Pty Ltd
8. Robert M. Bell, Retired geologist, Victoria, Australia
9. Richard Blayden Professional Engineer
10. Howard Thomas Brady, Member Explorers Club of New York, Member of the Australian Academy of Forensic Sciences
11. Geoff Brown, Organizer of a Critical Climate Group, Australia
12. Douglas Buerger, Fellow Australasian Institute of Mining and Metallurgy, member of Australian Institute of Company Directors, Australia
13. Mike Bugler, Retired Environmental Consultant, Australia
14. Ray Carman, Organic chemist, Honorary Fellow University of Queensland, Australia
15. Peter Champness, Radiologist, Australia
16. Andrew E. Chapman, Expert on Rainfall and flood events, Australia
17. Richard Corbett, Member Royal Australian Chemical Institute, Member of The Clean Air Society of Australia and New Zealand
18. Majorie Curtis, Retired Geologist, Stratigrapher and Palaeoclimatic Studies, Canberra, Australia
19. Geoff Derrick, Geologist
20. Aert Driessen, Geologist, Fellow Australian Institute of Geoscientists, Australia
21. John A. Earthrowl, retired Geologist, Brisbane Australia
22. Jeremy K. Ellis, Retired Chairman of BHP, now Chairman of the Saltbush Club, Australia
23. Matthew J. Fagan, Founder and President of FastCAM Inc.
24. Rodney Fripp, former lecturer in geology, geochemistry and geotechnics
25. Christopher J.S. Game, Retired Neurophysiologist, Australia
26. Robin George, Geologist, Canterbury, Australia
27. David Gibson, Experimental Physicist, Australia
28. 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)
29. Hamish Grant, MR Spectroscopy & Imaging Consultant, Victoria, Australia
30. Lindsay Hackett, Founding member of the Saltbush Club in Australia
31. Erl Happ, Managing Director, Australia
32. John Happs, Geoscientist, Retired University Lecturer, Australia
33. John Harrison, Retired Marine Engineer, Australia
34. Jarvis Hayman, Visiting Fellow School of Archaeology & Anthropology, Australian National University
35. Mark Henschke, Retired geologist in mining, oil and gas, Australia
36. Gerhard Hofmann, Geologist and Palaeontologist, former Director of the Geological Survey of Queensland
37. Geraint Hughes, Mechanical Building Engineer, Climate Researcher, Australia
38. Kevin Kemmis, Expert in Information Technology, Climate Researcher
39. Hugh H. Laird, Retired Tropical Agriculture Executive
40. John Leisten OBE, expert in physical chemistry
41. Brian Levitan, worked for NASA, now Technology Consultant to multinationals
42. Matthew David Linn, Fellow of the Institution of Engineers of Australia
43. Gerard McGann, Technical Director Eon NRG
44. Rodney McKellar, Retired Geologist, Queensland, Australia

45. John McLean, Author of first major review of HadCRUT 4 climate temperature data, Member of New Zealand Climate Science Coalition
46. Ross McLeod, Retired Environmental Health Officer, Australia
47. Finlay MacRitchie, Professor Emeritus in the Department of Grain Science and Industry at Kansas State University, USA. Australia
48. John Michelmores, Retired Industrial Chemist, South Australia
49. 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"
50. Des Moore, Former Deputy Secretary of the Federal Treasury, founder and leader of the Institute for Private Enterprise
51. Hugh Morgan, prominent Australian mining executive, Fellow of the Australian Academy of Technology, Science and Engineering (FTSE).
52. C.D. Ollier, Emeritus Professor of Geology and Honorary Research Fellow at the School of Earth and Geographical Sciences, University of Western Australia
53. Ian Plimer, Emeritus Professor of Mining Geology at University of Adelaide and Author of 'Climate Delusion and the Great Electricity Rip-off'
54. Alistair Pope, psc, CM, Sceptical Scientific Contrarian in the Climate Debate
55. Tom Quirk, Nuclear Physicist, Australia
56. Campbell Rankine, Varrister and Solicitor, Australia
57. Peter Ridd, Oceanographer and Geophysicist, Former Head of Physics at the James Cook University, Queensland
58. Nigel Rowlands, retired from mining and exploration industry
59. Judy Ryan, Editor Principia Scientific Institution-Australia
60. Jim Simpson, Retired from Managing Positions in different International Telecommunications Firms, now active in the Australian Climate Community,
61. Case Smit, Physicist, Expert in Environmental Protection, Co-founder of the Galileo Movement, Australia
62. Lee Smith, University Lecturer in Spatial Technology, Responsible for State Government Precise Monitoring of Sea Level and International Sea Boundaries
63. Darren Speirs, Independent Business Owner, Rangeland NRM Consultants, Australia
64. Geoffrey Stocker, Professor and Head of Department of Forestry, PNG University of Technology – Director of PNG Forest Research Institute
65. Rodney R. Stuart, Retired expert in energy industry, Tasmania, Australia
66. R. Symons, Professional Engineer, Expert in Temperature Control of Industrial Buildings
67. Rustyn Wesley Thomas, Retired aircraft engineer, Australia
68. John W. Turner, Science Educator, Noosa Heads, Australia
69. Peter Tyrer, Project Controls Engineer in mining industry, Australia
70. Terrence Vincent, Security Engineer, Small Business Adviser AIST, ASIAL, SMBE, Australia
71. James Walter, Medical doctor, Australia
72. John Warnock, Astro Economist, Australia
73. Christopher Kenneth Warren, Expert in hydroelectric dam design and construction, Australia
74. Neil Wilkins, Retired geologist, Australia
75. P.C. Wilson, Former journalist with the A.B.C. Queensland, Australia



## SCIENTISTS AND PROFESSIONALS FROM BRAZIL

1. Luiz Carlos Baldicero Molion, Emeritus Professor of the Federal University of Alagoas (UFAL), Formerly of the National Institute of Space research (INPE)
2. Ricardo Augusto Felicio, Professor of the Department of Geography of the University of Sao Paulo (USP), Member of the Brazilian Society of Meteorology (SBMET)
3. Geraldo Luis Saraiva Lino, Geologist, Author of 'How a natural Phenomenon Was Converted into a False Global Emergency
4. Dr. Thiago Maia, Nuclear Physicist with PhD in Astrophysics, wrote critical climate letter to Brazilian Government
5. Igor Vaz maqueira, Biologist, Specialist in Environmental Management



6. Mario de Carvalho Fontes Neto, Agronomist, Editor of 'The Great Global Warming Swindle'
7. Daniela de Souza Onca, Professor of the Geography Department of the State University of Santa Catarina (UDESC)



### SCIENTISTS AND PROFESSIONALS FROM CANADA

1. Jeffrey Ernest Foss, Professor of Philosophy of Science, University of Victoria, English Canada; ECD Ambassador
2. Reynald Du Berger, Emeritus Professor of Geophysics at the L'Université du Québec a Chicoutimi, French Canada, ECD Ambassador
3. Alain Bonnier, Physicist, INRS-Centre de Recherche and Energy Montréal, Canada
4. Ian Clark, Professor of Earth and Environmental Sciences, University of Ottawa
5. Susan Crockford, Zoologist and Polar Bear Expert, Former Adjunct Professor University of Victoria, Canada
6. Paul A. Johnston, Associate Professor, Department of Earth and Environmental Sciences, Mount Royal University, Calgary, Alberta
7. Klaus L.E. Kaiser, Retired Research Scientist, National Water Research Institute, Author of Numerous Press Articles, Canada
8. Madhav Khandekar, Expert Reviewer IPCC 2007 AR4 Cycle, Canada
9. Kees van Kooten, Professor of Economics and Canada Research Chair in Environmental Studies and Climate, University of Victoria, Canada
10. Allen MacRae, retired Engineer, Canada
11. Paul MacRae, Independent Climate Researcher, Canada
12. Patrick Moore, Ecologist, Chair CO2 Coalition, Co-Founder Green Peace, Canada
13. Brian R. Pratt, Professor of Geological Sciences, University of Saskatchewan
14. Peter Salenius, Retired Research Scientist, Natural Resources, Canada
15. Marcelo C. Santos, professor of Geodesy, University of New Brunswick, Canada
16. Ian Semple, Retired Geologist, of McGill University, Canada
17. William van Wijngaarden, Professor of Physics, York University, Canada



### SCIENTISTS AND PROFESSIONALS FROM CHINA AND HONG KONG

1. NG Young, Principal Geoscientist, Danxiashan Global Geopark of China
2. Wyss Yim, Retired Professor, Department of Earth Sciences, The University of Hong Kong, Hong Kong SAR, China / Deputy Chairman, Climate Change Science Implementation Team, UNESCO International Year for Planet Earth 2007-2009 / Expert Reviewer IPCC AR2



### SCIENTISTS AND PROFESSIONALS FROM INDIA

1. Sanjeev Sabhlok, Economist with focus on climate and energy policy, India



### SCIENTISTS AND PROFESSIONALS FROM JAPAN

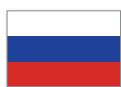
1. Masayuki Hyodo, Professor of Earth Science, Kobe University, Japan



### SCIENTISTS AND PROFESSIONALS FROM NEW ZEALAND

1. Terry Dunleavy MBE, co-founder (2006) and honorary secretary, New Zealand Climate Science Coalition; ECD Ambassador
2. Deborah Alexander, Agricultural Scientist, New Zealand
3. Jock Allison, retired Agricultural Scientist, Ministry of Agriculture, New-Zealand
4. Barry Brill, OBE, Previously Minister of Science and Technology, New Zealand
5. Doug Edmeades, Managing Director agKnowledge Ltd., New Zealand
6. Roger High Dewhurst, Retired, geologist/hydrogeologist, New Zealand
7. Geoffrey G. Duffy, Professor Emeritus, University of Auckland, New Zealand
8. Joe Fone, CAD Engineer, Enatel Ltd
9. Bryan Leyland, Power Systems Engineer and Experienced Renewable Energy Specialist
10. Gerrit J. van der Lingen, Paleoclimatologist, New Zealand, Author of the Book The Fable of Stable Climate

11. John Scarry ME (Civil), structural engineer, member of the New Zealand Climate Science Coalition
12. John Sexton, Member of the New Zealand Climate Coalition
13. Philip Strong, Science Research Leader & Member of the New Zealand Climate Coalition
14. Richard Treadgold, Executive Member NZ Climate Science Coalition, Convenor Climate Conversation Group



### 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, Russian Federation



### 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. John Ledger, Visiting Professor at the University of the Witwatersrand, Energy and Environmental Consultant
3. Don Mingay, Retired Professor of Nuclear Physics, South Africa



### SCIENTISTS AND PROFESSIONALS FROM USA

1. *Richard Lindzen, Emeritus Professor Atmospheres, Oceans and Climate, MIT, USA; ECD Ambassador*
2. Ralph B. Alexander, Emeritus Professor of Physics, Science Writer
3. Anthony J. Armini, Retired Founder and CEO Implant Sciences Corp., USA
4. Tim Ball, Emeritus Professor Geography, University of Winnipeg, Canada and Advisor of the International Science Coalition
5. Hans-Peter Bär, Emeritus Professor of Pharmacology, Canada and Former Dean of Basic Medical Sciences, American University of Barbados, Barbados
6. James R. Barrante, Emeritus Professor of Physical Chemistry, USA
7. Charles G. Battig, Climate Adviser, Heartland Institute, USA
8. Larry Bell, Endowed Professor of Space Architecture, University of Houston, USA
9. Elliott D. Bloom, Emeritus Professor of Particle Physics and Astrophysics, KIPAC-SLAG, Stanford University
10. Daniel Botkin, Emeritus Professor of Biology, Climate Researcher, Author of the Book: *Twenty-five Myths That Are Destroying the Environment*, USA
11. Martin Cornell, Retired Senior Scientist, Dow Chemical Company, USA
12. 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, USA
13. David Deming, Professor of Arts & Sciences, University of Oklahoma, USA
14. Harold H. Doiron, Retired NASA Engineer, USA
15. John Droz jr, Physicist, Founder of AWED Alliance, USA
16. Freeman Dyson, Emeritus Professor Natural Sciences, Institute of Advanced Study, Princeton University, USA
17. Peter Farrell, Fellow of the US National Academy of Engineering, USA
18. Rex Fleming, Research Scientist, Author of Book on Carbon Dioxide Fallacy, Retired President Global Aerospace, USA
19. Gordon J. Fulks, Astrophysicist, Board of Directors CO2 Coalition, Co-founder Global Warming Realists
20. Terry Gannon, Physicist, Retired Semiconductor Executive, USA
21. Ulrich H. Gerlach, Professor of Mathematics, Ohio State University, USA
22. Laurence I. Gould, Professor of Physics, University of Hartford, Past Chair, New England Section of the American Physical Society.
23. Steve Goreham, Executive Director, Climate Science Coalition of America, USA
24. David Heald, Retired Electrical Engineer, USA
25. Howard C. Hayden, Emeritus Professor of Physics, University of Connecticut, USA
26. Wayne P. Kraus, Member American Institute of Chemical Engineers (AIChE)
27. Patrick J. Michaels, Competitive Enterprise Institute, Washington DC, USA

28. Pamela Matlack-Klein, Member of Portuguese Sea Level Project, USA
29. Richard McFarland, Retired NASA Physicist, USA
30. Daniel W. Nebert, Professor Emeritus, Department of Environmental Medicine and Center for Environmental Genetics, University of Cincinnati
31. Thomas O'Connor, Member American Association of Petroleum Geologists, Washington, USA
32. Herman A. Pope, retired Aerospace Engineer NASA-JSC, USA
33. Willem Post, Independent Researcher regarding Energy and Environment
34. Phil Robinson, Retired Chemist in the Aluminium and Steel Industry
35. Willie Soon, Independent Scientist, USA
36. Ronald Stein, Professional Engineer, USA
37. Paul Taylor, Energy Economist, recipient Rossitor Raymond Award, Golden Colorado, USA
38. Richard Trzupek, Chemist and Air Quality Expert
39. Waheed Uddin, Professor of Engineering Science, University of Mississippi, Expert in Climate Modeling, Former Advisor UN
40. William B. Walters, Guggenheim Fellow, Professor of Atmospheric, Nuclear and Environmental Chemistry, University of Maryland, USA
41. Steven E. Weismantel, Retired Engineer and Climate Researcher, USA
42. Gregory R. Wrightstone, Expert Reviewer IPCC 6th Assessment Report (AR6), USA
43. David Wojick, Cognitive Scientist, USA
44. Thomas Wismuller, Retired NASA Executive, USA
45. Bob Zybach, Program Manager, Oregon Websites and Watersheds Project INC., USA