World Climate Declaration

THERE IS NO CLIMATE EMERGENCY

GLOBAL CLIMATE INTELLIGENCE GROUP
There is no climate emergency

A global network of 700 scientists and professionals\(^1\) 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\(_2\). In addition, they ignore the fact that enriching the atmosphere with CO\(_2\) is beneficial.

CO\(_2\) is plant food, the basis of all life on Earth

CO\(_2\) is not a pollutant. It is essential to all life on Earth. Photosynthesis is a blessing. More CO\(_2\) is beneficial for nature, greening the Earth: additional CO\(_2\) 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\(_2\)-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\(_2\) 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.

\(^1\) Global Climate Intelligence Group, see [CLINTEL.org](http://CLINTEL.org)

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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.
The undersigned:

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31. Mike Elliott, (Adv Dip Ed E&C); Dux of School in Mathematics; Co-Founder of Climate Realists of Five Dock (<2008). Successfully convinced Deputy Premier of the State of Queensland, Australia “to direct local council to remove from its Planning Scheme assumptions of theoretical SLR due to climate change”
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67. 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”
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4. Ricardo Augusto Felicio, Professor of the Department of Geography of the University of Sao Paulo (USP), Member of the Brazilian Society of Meteorology (SBMET)
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14. Manfred Hauptreif, Natural Scientist
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SCIENTISTS AND PROFESSIONALS FROM ITALY

1. Alberto Prestininzi, Professore di Geologia Applicata, Università di Roma La Sapienza, già Scientific Editor in Chief della rivista internazionale IJEGE e Direttore del Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), WCD Ambassador.
6. Enrico Miccadei, Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara.
7. Nicola Scafetta, Professore di Fisica dell’Atmosfera e Oceanografia, Università di Napoli.
10. 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.
13. Sergio Bartalucci, Fisico, Presidente Associazione Scienziati e Tecnologi per la Ricerca Italiana.
15. Paolo Bonifazi, Astrofisico, ex Direttore dell’Istituto di Fisica dello Spazio Interplanetario (IFSI) dell’Istituto Nazionale Astrofisica (INAF)
16. Francesca Bozzano, Professore di Geologia Applicata, Università di Roma La Sapienza, Direttore del Centro di Ricerca Previsione, Prevenzione e Controllo Rischi 9 European Climate Declaration September 26, 2019 Geologici (CERI).
17. Marcello Buccolin, Professore di Geomorfologia, Università di Chieti-Pescara.
18. Paolo Budetta, Professore di Geologia Applicata, Università di Napoli.
19. Monia Calista, Ricercatore di Geologia Applicata, Università di Chieti-Pescara.
22. Giuliano Ceredelli, Ingegnere e climatologo, ALDAI.
23. Augusta Vittoria Cerutti, membro del Comitato Glaciologico Italiano.
25. Fulvio Crisciani, Professore di Fluidodinamica Geofisica, Università di Trieste e Istituto Scienze Marine, Cnr, Trieste.
29. Gianni Fochi, Chimico, Scuola Normale Superiore di Pisa; giornalista scientifico.
30. Mario Gaeta, Professore di Vulcanologia, Università di Roma La Sapienza.
32. Rinaldo Genevois, Professore di Geologia Applicata, Università di Padova.
34. Luigi Marino, Geologo, Centro Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza.
35. Salvatore Martino, Professore di Microzonazione sismica, Università di Roma La Sapienza.
36. Paolo Mazziotti, Professore di Interferometria satellitare, Università di Roma La Sapienza.
37. Adriano Mazzarella, Professore di Meteorologia e Climatologia, Università di Napoli.
38. Carlo Merli, Professore di Tecnologie Ambientali, Università di Roma La Sapienza.
40. Renzo Mosetti, Professore di Oceanografia, Università di Trieste, già Direttore del Dipartimento di Oceanografia, Istituto OGS, Trieste.
41. Daniela Novembre, Ricercatore in Georisorse Minerarie e Applicazioni Mineralogiche-petrografiche, Università di Chieti-Pescara.
42. Sergio Ortolani, Professore di Astronomia e Astrofisica, Università di Padova.
43. Antonio Pasculli, Ricercatore di Geologia Applicata, Università di Chieti-Pescara.
44. Ernesto Pedrocchi, Professore Emerito di Energetica, Politecnico di Milano.
45. Tommaso Piacentini, Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara.
46. Guido Possa, Ingegnere nucleare, già Viceministro del Ministero dell’Istruzione, Università e Ricerca con delega alla ricerca.
47. Mario Luigi Rainone, Professore di Geologia Applicata, Università di Chieti-Pescara.
48. Francesca Quercia, Geologo, Dirigente di ricerca, Ispra.
49. Giancarlo Ruocco, Professore di Struttura della Materia, Università di Roma La Sapienza.
50. Sergio Rusi, Professore di Idrogeologia, Università di Chieti-Pescara.
51. Massimo Salleolini, Professore di Idrogeologia Applicata e Idrogeologia Ambientale, Università di Siena.
52. Emanuele Scalone, Responsabile Servizio Agrometeorologico Regionale ALSIA, Basilicata. 10 European Climate Declaration September 26, 2019
53. Nicola Sciarra, Professore di Geologia Applicata, Università di Chieti-Pescara.
55. Luigi Stedile, Geologo, Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza.
58. Corrado Venturini, Professore di Geologia Strutturale, Università di Bologna.
59. Franco Zavatti, Ricercatore di Astronomia, Università di Bologna.
60. Achille Balduzzi, Geologo, Agip-Eni.
61. Pino Cippitelli, Geologo Agip-Eni.
63. Serena Doria, Ricercatore di Probabilità e Statistica Matematica, Università di Chieti-Pescara.
64. Enzo Siviero, Professore di Ponti, Università di Venezia, Rettore dell'Università e-Campus.
65. Pietro Agostini, Ingegnere, Associazione Scienziati e Tecnologi per la Ricerca Italiana.
66. Donato Barone, Ingegnere.
68. Gianfranco Brignoli, Geologo.
69. Alessandro Chiaudani, Ph.D. agronomo, Università di Chieti-Pescara.
70. Luigi Fressoia, Architetto urbanista, Perugia.
71. Sabino Gallo, Ingegnere nucleare e scrittore scientifico.
72. Daniela Giannessi, Primo Ricercatore, IPCF-CNR, Pisa.
74. Alberto Lagi, Ingegnere, Presidente di Società Ripristino Impianti Complessi Danneggiati.
75. Luciano Lepori, Ricercatore IPCF-CNR, Pisa.
76. Roberto Madrigali, Meteorologo.
77. Ludovica Manusardi, Fisico nucleare e giornalista scientifico, UGIS.
78. Maria Massullo, Tecnologa, ENEA-Casaccia, Roma.
80. Enzo Pennetta, Professore di Scienze Naturali e divulgatore scientifico.
81. Franco Puglia, Ingegnere, Presidente CCC, Milano.
82. Nunzia Radatti, Chimico, Sogin.
83. Vincenzo Romanello, Ingegnere nucleare, Ricercatore presso il Centro di Ricerca Nucleare di Rez, Repubblica Ceca.
84. Roberto Rota, Ingegnere, Ricercatore presso CISE ed ENEL, esperto di energie rinnovabili.
85. Massimo Sepielli, Direttore di Ricerca, ENEA, Roma.
87. Emilio Stefani, Professore di Patologia vegetale, Università di Modena.
89. Roberto Vacca, Ingegnere e scrittore scientifico.
90. Antonio Ballarin, Responsabile della Ricerca e Laboratorio Digitale di Sogni.
91. Flavio Tabanelli, Fisico.
92. Giuseppe Basini, Astrofisico, Deputato, Già dirigente di ricerca dell’INFN.
93. Marco Benini, Ingegnere idraulico, libero professionista.
94. Giorgio Bertucelli, Ingegnere, già Dirigente Industriale, ALDAl.
95. Alessandro Bettini, Professore Emerito (Fisica) Università di Padova.
96. 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.
97. Paolo Blasi, Professore emerito (Fisica) e già Rettore dell’Università di Firenze; già Presidente della Conferenza dei Rettori delle Università Italiane.
98. Giampiero Borrielli, Ingegnere.
100. Cristiano Carabella, Geologo, Borsista presso l'Università di Chieti.
101. 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.
102. Enrico Colombo, Chimico, Dirigente Industriale.
Vito Comencini, Onorevole, Membro della Camera dei Deputati italiana dal 2018.
Roberto d’Arielli, Geologo, Borsista presso l’Università di Chieti.
Stefano De Pieri, Ingegnere energetico e nucleare.
Benedetto De Vivo, Professore di Geoehimica in pensione dall’Università di Napoli; ora Professore Straordinario presso Università Telematica Pegaso, Napoli.
Carlo Del Corso, Ingegnere Chimico.
Francesco Della Casa, Ingegnere, amministratore di società nel settore energetico.
Alessandro DeMontis, Perito Chimico Industriale, Tecnico per la Gestione delle Acque e delle Risorse Ambientali, Pomezia.
Aurelano Ferri, Vicepresidente Associazione Piceno Tecnologie.
Gianluca Esposito, Geologo.
Umberto Gentili, Fisico dell’ENEA, Climatologo per il Progetto Antartide, ora in pensione.
Roberto Graziano, Ricercatore di Geologia stratigrafica e paleoclimatologia/paleoceanografia, Università di Napoli, già Geologo presso il Servizio Geologico d’Italia.
Roberto Habel, Professore di Fisica Medica, Università di Cagliari.
Ettore Malpezzi, Ingegnere.
Vania Mancinelli, Geologo, Borsista presso l’Università di Chieti.
Alessandro Martelli, Ingegnere, giù Direttore ENEA.
Umberto Minopoli, Presidente dell’Associazione Italiana Nucleare.
Cliff Ollier, Geomorphologist, Emeritus Professor and Honorary research fellow, at the School of Earth and Geographical Sciences University of Western Australia.
Francesco Oriolo, Professore di Impianti Nucleari, Università di Pisa.
Paolo Emmanuele Orri, Professore di Geografia Fisica e Geomorfologia, Università di Cagliari.
Giorgio Paglia, Geologo, Borsista presso l’Università di Chieti.
Antonio Panebianco, Ingegnere.
Davide Peluzzi, Ambasciatore del Parco Nazionale del Gran Sasso e dei Monti della Laga nel Mondo nel 2017. 12 European Climate Declaration September 26, 2019
Corrado Penna, Docente di Matematica.
Alessandro Pezzoli, Ricercatore universitario e Professore aggregato in Weather Risk Management, Politecnico di Torino e Università di Torino.
Andrea Poma, Presidente Associazione Piceno Tecnologie.
Giorgio Prinzi, Ingegnere, Direttore responsabile della rivista “21mo Secolo Scienza e tecnologia”.
Arnaldo Radovix, Geologo, Risk Manager in derivati finanziari.
Mario Rampichini, Chimico, Dirigente Industriale in pensione, Consulente.
Arturo Raspini, Geologo, Ricercatore, Istituto di Geoscienze e Georisorse (IGG), Consiglio Nazionale delle Ricerche, Firenze.
Marco Ricci, Fisico, Primo Ricercatore, Istituto Nazionale di Fisica Nucleare.
Renzo Riva, Comitato Italiano Rilancio Nucleare (C.I.R.N.), Buja.
Pier Marco Romagnoli, Ingegnere, Milano.
Stefano Rosso, Insegnante di Geografia, Storia e Italiano, Scuola Secondaria, Modena.
Ettore Ruberti, Ricercatore ENEA, Docente di Biologia Generale e Molecolare.
Francesco Sensi, Generale di Divisione Aerea (R).
Roberto Simonetti, Geologo, R&D c/o Azienda S.I.I.
Elio Sindoni, Professore Emerito dell’Università di Milano Bicocca.
Maria Grazia Tenti, Geologo.
Andrea Zaccone, Geologo, Dirigente Protezione Civile Regione Lombardia.
Piero Baldecchi, lettore.
Eliseo Bertolasi, Dottore di Ricerca in Antropologia Culturale.
Enrico Bongiovanni, Dottore Commercialista.
Claudio Ciani, Relazioni Internazionali, Scienza Politica, Università di Roma La Sapienza.
Luigi Chilin, Dirigente in pensione.
Alessio Del Gatto, Liceo Scientifico, collaboratore AttivitaSolare.it.
Ferruccio Cornicello, Fotografo e lettore di studi sul clima.
151. Maurizio Fiorelli, Sommelier professionale, studioso dell’evoluzione nella coltivazione
delle vigne.
152. Walter Luini, Geometra.
153. Enrico Ghinato, Perito Fisico.
155. James Moore, Commercial Fisherman, President Alaska Trollers Association, Executive
Committee- Northern Southeast Regional Aquaculture Association, Board mem-
ber- Armstrong Keta Inc.
156. Maurizio Montuoro, Medico.
157. Gianni Pettinari, Impiegato Amministrativo, Fondatore del gruppo Facebook: ”Falsi
allarmismi sul riscaldamento globale”.
158. Paolo M.J. Pili, Pensionato.
159. Luigi Zanotto, Docente in pensione

SCIENTISTS AND PROFESSIONALS FROM JAPAN
1. Masayuki Hyodo, Professor of Earth Science, Kobe University, Japan
2. Mototaka Nakamura, Atmospheric and Oceanic Scientist (ScD in Meteorology, MIT)

SCIENTISTS AND PROFESSIONALS FROM MEXICO
1. Luis Frausto, Chemical Engineer
2. Victor Manuel Velasco Herrera, PhD, Space Engineer
3. Armando Paez, PhD in Organism, Expert in Sustainability and Energy Transitions

SCIENTISTS AND PROFESSIONALS FROM THE NETHERLANDS
1. Guus Berkhout, Emeritus Professor of Geophysics, Delft University of Technology, Mem-
ber of the Royal Netherlands Academy of Arts and Sciences; WCD Ambassador
2. Maarten van Andel, Author of the ‘Groene Illusie’
3. André Bijnkerk, Retired Officer Royal Dutch Air Force, now Climate Researcher
4. Peter Bloemers, Emeritus Professor of biochemistry, Radbout University, Nijmegen
5. Paul M.C. Braat, Emeritus Professor of Pulmonary Physics, University of Amsterdam
6. Solke Bruin, Emeritus Professor of Product-driven Process Technology, University
of Eindhoven, and Former member Management Committee Unilever Research, Vlaardingen
7. Paul Cliteur, Professor of Legal Sciences, Member of the Senate of The Netherlands
8. Albert J.H.G. Cloosterman, Retired Chemical Engineer, Publicist on Climate and Cos-
mological Matters
9. Marcel Crok, Climate Researcher and Science Journalist
10. David E. Dirkse, Former Computer Engineer and Teacher Mathematics
11. Kees de Groot, Former Director Upstream Research Lab. Shell
12. Kees de Lange, Emeritus Professor of Physics, Vrije University Amsterdam and Uni-
versity of Amsterdam
13. Louw Feenstra, Emeritus Professor Erasmus University and philosopher, Rotterdam
14. Frans H. Gortemaker, Former Vice president Unilever Global R&D
15. Ton J.T. Grimberg, Research and Operational Petro-physicist
16. Leo Halvers, Former Director Biliton Research Arnhem and former Director technol-
ogy Foundation STW
17. Eduard Harinck, Former Logistics Expert, Nedlloyd Group/KPMG consulting; member
of the ED support team
19. Jan F. Holtrop, Emeritus Professor of Petroleum Engineering, Delft University of
Technology
20. A. Huijser, Physicist and Former CTO Royal Philips Electronics
21. W. J. (Wouter) Keller, Emeritus Professor of Statistical Methods, Former Member
Board of Directors, Central Bureau of Statistics (CBS)
22. Jacques van Kerchove, Economist and Marketeer, Former CFO Rabobank, now Climate
and Environment researcher
23. R.W.J. Kouffeld, Emeritus Professor of Energy Conversion, Delft University of Technology
24. Hans H.J. Labohm, Former Expert Reviewer IPCC
25. Kees de Paar, Physicist, Former Director of Research organisations FOM and Technology & former member of the General Energy Council, The Netherlands
26. B.G. Linsen, Former Director Unilever Research Vlaardingen, The Netherlands
27. Pieter Lukkes, Emeritus Professor of Economic and Human Geography, University of Groningen
28. Hugo Matthijsen, Former Teacher Meteorology, now Publicist on Climate Matters
29. 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
30. J.M. Mukerlink, Former General Director Akzo-Nobel
31. Rob Nijsen, Radar Engineer and Publicist on Climate Matters
32. Leffert Oldenkamp, Expert Forest Management
33. Peter Oosterling, Former Scientist E & P Shell, now active as Climate Researcher; member of the ED support team
34. Kees Pieters, Mathematician; Former Operational Research and ICT manager at Shell
35. Reynier Pronk, Former IT Manager; Accredited Project Management Consultant and Trainer
36. G.T. Robillard, Emeritus Professor of Biochemistry and Biophysics
37. Arthur Rörsch, Former Member Board of Directors, TNO, The Netherlands
38. Don Schäfer, Former Director Shell Exploration & Production and New Business, Shell
39. Frans Schrijver, Strategy Consultant and Climate Publicist
40. Jos de Smit, Emeritus Professor of Stochastic Operations Research and Former Rector Magnificus of the University of Twente
41. Albert Stienstra, Emeritus Professor of Computer Simulation and Micro-Electronics, Delft University of Technology
42. P.J. Strijkert, Former Member Board of Directors of DSM, Delft, The Netherlands
43. Dick Thoenes, Emeritus Professor of Chemical Technology, Technical University of Eindhoven
44. Fred Udo, Emeritus Professor of Nuclear Physics, Vrije Universiteit Brussels, Belgium
45. J.F. van de Vate, Former Director ECN, Petten, The Netherlands. Former UN Delegate IPCC.
46. Frans van den Beemt, Nuclear Physicist, Former Program Director Technology Foundation STW
47. Rutger van Santen, Emeritus Professor of Anorganic Chemistry and Catalysis, Former Rector Magnificus, Eindhoven University
48. Barend-Jan Smits, Geologist, Former Director of Wintershall Nederland, BASF Group
49. Hans van Suijdam, Former Executive Vice President Research and Development DSM, The Netherlands
50. Pieter van Toorn, Former Research Geophysicist Shell
51. Jannes J. Verwer, Former CEO Large Electricity Generation Group and Former Chairman Supervisory Board State Owned Radio Active Waste Storage Facilities, The Netherlands
52. Henk van der Vorst, Emeritus Professor of Numerical Mathematics, University of Utrecht
53. Jaap van der Vuurst de Vries, Emeritus Professor of Petroleum Engineering, Former Dean Faculty of Applied Earth Sciences, Delft University of Technology
54. Karel Wakker, Emeritus Professor of Astrodynamics & Geodynamics, Delft University of Technology
55. Cyril Wentzel, Multi-Physics Engineer and Chairman of Environmental Think Tank ‘Groene Rekenkamer’
56. Dolf van Wijk, Formerly AkzoNobel Environmental Research Laboratory and Former Executive Director Cefic-Euro Chlor, Brussels
57. W.J. Wittman, Professor of Applied Physics and CO2 lasers, University of Twente
58. Theo Wolters, Co-founder ‘Groene Rekenkamer’ and ‘Climategate.nl’
**Scientists and Professionals from New Zealand**

1. Terry Dunleavy MBE, Co-founder (2006) and Honorary Secretary, New Zealand Climate Science Coalition; WCD Ambassador
2. Deborah Alexander, Agricultural Scientist, New Zealand
3. Jock Allinson, 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
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. David Shelley, Emeritus Associate Professor Geology and latterly Dean of Postgraduate Studies, University of Canterbury, Christchurch, New Zealand
14. Philip Strong, Science Research Leader & Member of the New Zealand Climate Coalition
15. Richard Treadgold, Executive Member NZ Climate Science Coalition, Convenor Climate Conversation Group
16. Ian Wright, Professional Geologist

**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; WCD Ambassador
2. Gunnar Abrahamsen, Professor Emeritus 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 Fish Biology and Nature Conservation, University of Life Sciences Norway
5. Jon Gulbrandsen, PhD, Biologist, Associate Professor NOFIMA and NOAA (USA), Norway
6. Rögnvaldur 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 Tromsø – The Arctic University of Norway
17. Jørgen Stenersen, Professor Emeritus Eco-Toxicology, University of Oslo
SCIENTISTS AND PROFESSIONALS FROM PARAGUAY
1. Albrecht Glatzle, Retired Director Research of INTTAS (Iniciativa para la Investigación y Transferencia de Tecnología Agraria Sostenible)

SCIENTISTS AND PROFESSIONALS FROM 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 Słasko-Dąbrowski Region of NSZZ

SCIENTISTS AND PROFESSIONALS FROM PORTUGAL
2. Rui Cruz, Pharmaceutical Development Scientist. PhD In Chemical and Biological Engineering (Material Science Focus for Solar Energy Applications)

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

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, Nuclear Physicist, Formerly Chairman of the South African Nuclear Energy Corporation.
3. 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 SPAIN

SCIENTISTS AND PROFESSIONALS FROM SWEDEN
1. Ingemar Nordin, Emeritus Professor Philosophy of Science, Linköping University; WCD Ambassador
2. Leif Åsbrink, PhD in Technology at KTH in Molecular Physics, Stockholm
3. Sture Åström, 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. Per-Olof Eriksson, Physicist, Former CEO of Sandvik Group
8. Dr. Anders Flodin, Business Development Manager, Höganäs AB in North Carolina
9. David D. Gee, Professor Em Orogen Dynamics, Uppsala University, Sweden
10. Eilif Hensvold, PhD Mathematics, Associate Professor of Mathematics (retired), Simulation of Large-scale Industrial Systems, Uppsala University, Luleå Technical University
11. Hans Jelbring, Climate researcher
12. Claes Johnson, Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
13. Gunnar Juliusson, Professor of Hematology, Lund University, Senior Consultant, Skåne, University Hospital, Lund
14. Sten Kaijser, Emeritus Professor of Mathematics, Uppsala University
15. Johnny Kronvall, Emeritus Professor in Building Physics, Malmö University and Lund University
16. Johan Montelius, Associate Professor of Computer Science at the Royal Institute of Technology, Stockholm
17. Nils-Axel Mörner, Emeritus Professor Geology, President of the Independent Committee on Geooethics. Former head of Paleogeophysics & Geodynamics at Stockholm University
18. Jacob Nordangård, PhD in Technology and Social Change at the University of Linköping, Researcher on Climate Change History
19. Gösta Pettersson, Emeritus Professor in Biochemistry, University of Lund
20. Marian Radetzki, Emeritus Professor of Economics, Luleå University of Technology
21. Peter Stilbs, Emeritus Professor of Physical Chemistry, Royal Institute of Technology (KTH), Stockholm
22. Elsa Widding, Consultant, Author on Climate Change, Stockholm

SCIENTISTS AND PROFESSIONALS FROM SWITZERLAND
1. Christian Jacot, Pharmacist
2. Jean-Claude Pont, Dr. Math., Emeritus Professor of The History of Philosophy of Sciences, University of Genève
3. Jef Ongena, Member of the Permanent Monitoring Panel for World Energy, World Federation of Scientists, Geneva
4. Lars Schernikau, Entrepreneur, Energy Economist, Switzerland

SCIENTISTS AND PROFESSIONALS FROM UNITED KINGDOM
1. Christopher Monckton of Brenchley, Peer of the Realm and author of several reviewed papers on climate; WCD 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
5. John C. W. Cope, Professor of Geology, National Museum Wales, Cardiff
6. Richard Courtney, Retired Material Scientist, Expert Peer Reviewer of the IPCC
7. Peter Cunningham, Expert in Mathematical Modelling of Complex Physical Phenomena
8. Isabel Davis, Geophysicist and Entrepreneur
9. 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
11. Gregor Dixon FGS, Geologist, former member Geological Society of London
12. Roderick Paul Eaton, Retired Energy Systems Analyst from the UK Electricity Supply Industry
13. Peter Gill, Physicist, Former Chair of the Institute of Physics Energy Group, UK
14. Gil Gilchrist, Geophysicist, UK
15. Jimmy Haigh, Independent Geological Consultant
16. Tim Harper FGS, Geologist, Entrepreneur, Devon
18. Alex Henney, Formerly London Electricity Board, Consultant on Electricity Matters
19. Roger Higgs, DPhil (Oxon), Independent Geological Consultant, Geodactica Ltd.
20. Keith H. James, PhD, Consultant Geologist
21. David A. L. Jenkins, Geologist, Director Hurricane Energy plc
22. Chris Jesshope, Emeritus Professor University of Amsterdam, Director Techne Consulting Ltd. (UK)
23. Roger Longstaff, Experimental Space Physicist and Company Director
24. Chris Matchatte-Downes, Geologist, fellow of the geological Society of Gt Britain
25. Stuart Munro, Exploration Geologist and Geophysicist
26. Edward Nealon, Geologist Member of the Australian Institute of Mining & Metallurgy, UK
27. Peter Owen FGS, Fellow of the Geological Society of London
28. Dennis Paterson, Geologist, retired
30. Michael J. Rath, Professional Forrester
31. Ceri Reid, Researcher, Engineer and Manager
33. Richard Saumarez, Biomedical Engineer from Imperial College
34. Michael Seymour, geologist, Fellow of the Geological Society of London
35. 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
36. Leslie Thomson, Retired Vice President Operations, BP Exploration, Aberdeen
37. Jay Willis, Marine Scientist, Associate of the OxNav Group of Oxford University.
38. 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, USA; WCD Ambassador
2. John Droz jr, Physicist, Founder of AWED Alliance, USA, WCD Ambassador
3. Ralph B. Alexander, Emeritus Professor of Physics, Science Writer
4. Raphael D’Alonzo, Analytical Chemist, Retired Associate Director, the Proctor & Gamble Company
5. Anthony J. Armini, Retired Founder and CEO Implant Sciences Corp., USA
6. Dr. Malgorzata Askanas, Senior R&D Associate at the Aurora Biophysics Research Institute
7. Hans-Peter Bär, Emeritus Professor of Pharmacology, Canada and Former Dean of Basic Medical Sciences, American University of Barbados, Barbados
8. James R. Barrante, Emeritus Professor of Physical Chemistry, USA
9. Charles G. Battig, Climate Adviser, Heartland Institute, USA
10. Larry Bell, Endowed Professor of Space Architecture, University of Houston, USA
12. Edwin X. Berry, PhD, Atmospheric Physicist, American Meteorological Society, Author, Climate Physics LLC, USA
14. Elliott D. Bloom, Emeritus Professor of Particle Physics and Astrophysics, KIPAC-SLAG, Stanford University
15. Daniel Botkin, Emeritus Professor of Biology, Climate Researcher, Author of the Book: Twenty-five Myths That Are Destroying the Environment, USA
17. James W. Buell, PhD, Aquatic Biologist, Consultant
18. Nick Capaldi, PhD, Author Books on Logic, the Scientific Method and the Philosophy of Science
19. Roy Clark, Climate Researcher, Retired Engineer, California
20. Martin Cornell, Retired Senior Scientist, Dow Chemical Company, USA
21. 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
22. George Davey, Physicist, University of Iowa
23. David Deming, Professor of Arts & Sciences, University of Oklahoma, USA
24. Harold H. Doiron, Retired NASA Engineer, USA
25. Mohan Doss, Professor, Fox Chace Cancer Center, Philadelphia, One of the Founding Members of SARL
26. Jack D. Downing, Geologist and Geophysicist
27. John Dale Dunn, MD, JD, Lecturer Carl R. Darnall Army Medical Center, Fort Hood, Texas
28. Freeman Dyson, Emeritus Professor Natural Sciences, Institute of Advanced Study, Princeton University, USA
29. Vincent Esposito, Adjunct Professor University of Pittsburg, PA, USA; Doctor of Science in Nuclear Engineering (Un. Fo Virginia), Retired Manager from Westinghouse Electric Company
30. Peter Farrell, Fellow of the US National Academy of Engineering, USA
31. Rex Fleming, Research Scientist, Author of Book on Carbon Dioxide Fallacy, Retired President Global Aerospace, USA
32. Jim Folcik, Geosciences Manager Extraction Oil & Gas
33. Patrick Frank, PhD, SLAC National Accelerator Laboratory, Stanford University
34. Gordon J. Fulks, Astrophysicist, Board of Directors CO2 Coalition, Co-founder Global Warming Realists
35. Terry Gannon, Physicist, Retired Semiconductor Executive, USA
36. Ulrich H. Gerlach, Professor of Mathematics, Ohio State University, USA
37. Ivar Giaever, 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
38. Laurence L. Gould, Professor of Physics, University of Hartford, Past Chair, New England Section of the American Physical Society.
39. Steve Goreham, Executive Director, Climate Science Coalition of America, USA
40. David Heald, Retired Electrical Engineer, USA
41. Howard C. Hayden, Emeritus Professor of Physics, University of Connecticut, USA
42. Gary L. Hoe, PE., Retired Colonel USAF; Technical Director of several Nuclear Weapon Effects Tests at the Nevada Test Site; Member Scientists for Accurate Radiation Information (SARI)
43. Jim Hollingworth, Social Scientist; Book: ‘Climate Change: A Convenient Truth’
44. Kathryn E. Kelly, President Delta Toxicology, USA
45. Hugh Kendrick, PhD, Retired Director Plans and Analysis, Office of Nuclear Reactor Research, US Dept. of Energy, Fellow American Physical Society
46. Stephen C. Knowles, Marine Scientist and Geologist, Beacon, New York, USA
47. Wayne P Kraus, Member American Institute of Chemical Engineers (AIChE)
48. Jay Lehr, PhD, Senior Policy Analyst for the International Climate Science Coalition. Former Science Director of the Heartland Institute.
49. Jeffrey Mahn, Retired Nuclear Engineer Sandia National Laboratories (New Mexico, USA); Member Scientists for Accurate Radiation Information (SARI), Member Nuclear Society (ANS)
50. M. Malkan, PhD, Distinguished Professor of Physics and Astronomy, UCLA
51. James A. Marsh, Emeritus Professor of Immunology, Cornell University, Dept. of Microbiology and Immunology
52. Patrick J. Michaels, Competitive Enterprise Institute, Washington DC, USA
53. Pamela Matlack-Klein, Member of Portuguese Sea Level Project, USA
54. Andy May, Writer and Retired Petrophysicist
55. Dr. 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 Reconnaissance Office (DARO) and Former Chairman of the Technology Assistance panel for DARO
56. Craig McCluskey, PhD, Physics
57. Richard McFarland, Retired NASA Physicist, USA
58. Samuel H. Meli, Emeritus Professor of Physics, UMBC, Retired NASA Scientist, USA
59. Kenneth Melvin, MD: retired Professor of Medicine, Portland, Oregon
60. Ferenc M. Miskolczi, Retired NASA/AS&M Senior Scientist; Foreign Associate Member of the Hungarian Academy of Sciences
61. Daniel W. Nebert, Professor Emeritus, Department of Environmental Medicine and Center for Environmental Genetics, University of Cincinnati
62. Thomas O’Connor, Member American Association of Petroleum Geologists, Washington, USA
63. Kenton Oma, Retired PE Chemical Engineer, Environmental Engineering, Environmen-
tal Consultant, R&D at DOE Nuclear Facility
64. Trueman D. Parish, Retired Director of Engineering Research Eastman Chemical
Company, USA
65. Arvid Pasto, PhD in Ceramics, Retired from the Oak Ridge National Laboratory, TN
66. Charles W. Pennington, Senior Vice President of Engineering, NAC International (Re-
tired); Secretary Board of Directors
67. Jeffrey S. Philbin, Retired Nuclear Engineer Sandia National Laboratories (New
Mexico, USA); Independent Consultant in Nuclear Facility Design and Safety Analysis,
Nuclear Criticality Safety and Weapon Response
68. James M. Policelli, Registered Professional Engineer
69. Herman A. Pope, retired Aerospace Engineer NASA-JSC, USA
70. Willem Post, Independent Researcher regarding Energy and Environment
71. Kenneth L. Purdy, Management Consultant, Retired Naval Officer in Operational Intel-
ligence
72. Forrest J. Remick, Emeritus Professor of Nuclear Engineering; Emeritus Assoc. VP
for Research at The Pennsylvania State University. Retired Commissioner, US Nuclear
Regulatory Commission
73. Phil Robinson, Retired Chemist in the Aluminium and Steel Industry
74. James H. Rust, Emeritus Professor of Nuclear Engineering, Georgia Institute of Tech-
ology
75. Charles L. Sanders, Retired Radiobiologist; Author of Radiobiology and Radiation
Hormesis: New Evidence and Its Implications for Medicine and Society (Springer)
76. Thomas P. Sheehan, PhD, Chairman, Science and Environmental Policy Project
77. John Shewchuk, Meteorologist (CCM) and Atmospheric Researcher, USA
78. Robert P. Smith, PhD, P.E., Environmental Scientist and Professional Engineer
79. Willie Soon, Independent Scientist, USA
80. Jim Steele, Emeritus Director Sierra Nevada Field Campus, San Francisco State Univer-
sity
81. Ronald Stein, Professional Engineer, USA
82. Gerald M. Sulzer, MS Chemical Engineer, Retired Director of Technology, Albemarle
Corporation, USA
83. Paul Taylor, Energy Economist, recipient Rossitor Raymond Award, Golden Colorado,
USA
84. David E. Thompson, Emeritus Professor Mechanical Engineering and Computer Sci-
ence, Dean Emeritus College of Engineering, University of Idaho
85. Cecil Joe Tomlinson, Retired Boeing Senior Principle Engineer
86. Richard Trzupek, Chemist and Air Quality Expert
87. Waheed Uddin, Professor of Engineering Science, University of Mississippi, Expert in
Climate Modeling, Former Advisor UN
88. William B. Walters, Guggenheim Fellow, Professor of Atmospheric, Nuclear and Envi-
ronmental Chemistry, University of Maryland, USA
89. Chuck F. Wiese, Professional Meteorologist, USA
90. Steven E. Weismantel, Retired Engineer and Climate Researcher, USA
91. Gregory R. Wrightstone, Expert Reviewer IPCC 6th Assessment Report (AR6), USA
92. David Wojick, Cognitive Scientist, USA
93. Thomas Wysmuller, Retired NASA Executive, USA
94. Bob Zybach, Program Manager, Oregon Websites and Watersheds Project INC., USA