

The Hon. Malcolm Turnbull, MP, Prime Minister of Australia
The Hon. Christopher Pyne, MP, Science Minister
Senator the Hon. Simon Birmingham, Education Minister
The Hon. Greg Hunt, MP, Environment Minister
The Hon. Bill Shorten, MP, Opposition leader of Australia
Senator the Hon. Kim Carr, Shadow Science Minister
The Hon. Kate Ellis, MP, Shadow Education Minister
The Hon. Mark Butler, MP, Shadow Environment Minister
Senator the Hon. Richard DiNatale, Greens Leader
The Hon. Adam Bandt, MP, Greens Science Spokesperson
Senator the Hon. Robert Simms, Greens Education Spokesperson
Senator the Hon. Larissa Waters, Greens Environment Spokesperson
Parliament House
Canberra, ACT, 2600, Australia

Mr David Thodey, Board Chairman, CSIRO
Dr Eileen Doyle, Acting Chairman, CSIRO
Dr Larry Marshall, Chief Executive Officer, CSIRO
Mr Hutch Ranck, Board Member, CSIRO
Ms Shirley In't Veld, Board Member, CSIRO
Dr Peter Riddles, Board Member, CSIRO
Mr Brian Watson, Board Member, CSIRO
Prof Edwina Cornish, Board Member, CSIRO
CSIRO Head Office
Dickson, ACT, 2602, Australia

Thursday, 11th February 2016

An open letter to the Australian Government and CSIRO
RE: Australia's Climate Research Is Far From Done

Dear Representatives of the Australian public and appointees to the CSIRO Board,

The recent announcement of devastating cuts to the Australian CSIRO's Oceans and Atmosphere research program has alarmed the global climate research community¹. The decision to decimate a vibrant and world-leading research program shows a lack of insight, and a misunderstanding of the importance of the depth and significance of Australian contributions to global and regional climate research. The capacity of Australia to assess future risks and plan for climate change adaptation crucially depends on maintaining and augmenting this research capacity.

Warming is unequivocal and it is extremely likely that most of it is human-caused². Key uncertainties remain in our understanding of the climate system and how global changes will impact locally. Asserting that the questions of climate science have been fully answered is incorrect and misleading. Instead a concerted, urgent and laser-focused effort is required by the international climate research community as a whole, to fully understand and prepare for pervasive climate change impacts³. CSIRO's climate research is a major player in this global effort, and Australia must recognize that addressing the many unanswered and complex climate science questions is of ultimate importance. Indeed, advancing climate knowledge is directly tied to Australia's continued prosperity in the coming decades. Australia's economy, water and energy security, built infrastructure, agriculture, and Australians' health and well-being are highly climate sensitive, with these relationships and interactions rapidly evolving with ongoing and accelerating climate variability and change.

Australia is a canary in the climate change coal mine, spanning a large range of different climate zones, from the northern tropics to the cool temperate south. Large and persistent decreases in south-western and south-eastern

¹ Carlson, [2016](#)

² Solomon *et al.*, [2007](#); Stocker *et al.*, [2013](#)

³ Brasseur & Carlson, [2015](#)

Australian rainfall has occurred⁴ alongside persistent warming over the last four decades. The past year, 2015 was fifth warmest year on record for Australia⁵, and the warmest on record globally⁶ - climate change is truly underway.

CSIRO is widely recognized as one of the leading climate measurement centres in the world. It has been heavily involved in weather and atmospheric research since 1946, and commenced monitoring global CO₂ in 1971. CSIRO further advanced global climate science with the establishment of the Cape Grim monitoring station in 1976, one of three premier CO₂ baseline stations of the [Global Atmosphere Watch](#) (GAW). CSIRO plays a leading role in the global [Argo](#) and [GO-SHIP](#) ocean observing programs, particularly important in terms of coverage of the Southern Hemisphere. These measurements underpin global climate research and play a critical and irreplaceable role in the [Global Climate Observing System](#) (GCOS). The CSIRO Hobart and Melbourne laboratories, on the doorstep of the Southern Ocean, are a primary research portal for many nations embarking on Southern Hemisphere ocean and atmosphere research.

In 1966, CSIRO began research into the numerical simulation of the Southern Hemisphere climate. Since this time, CSIRO has considerably expanded its capabilities in global atmosphere, ocean, land surface and ocean biogeochemical modelling, and is now widely recognized as a world-leading modelling centre. The Southern Hemisphere will be left with no sustainable, world-class climate modelling capability if the CSIRO cuts are realised. Without CSIRO's involvement in both climate measurement and modelling, a significant portion of the Southern Hemisphere oceans and atmosphere will go unmonitored. Understanding how current and future climate changes are realised in this region will be seriously compromised. Hence, the capacity of Australia to assess future risks and plan for climate change adaptation crucially depend on maintaining and augmenting the existing research capability.

The December 2015 climate agreement in Paris signalled global recognition of the need for meaningful progress in addressing global climate change, and in limiting global warming to 2.0°C above pre-industrial temperatures. Wisely, the continued strengthening of climate science is explicitly recognized in [the text](#) of the Paris accord (Article 7.7.c):

(c) Strengthening scientific knowledge on climate, including research, systematic observation of the climate system and early warning systems, in a manner that informs climate services and supports decision-making;

The Paris Agreement also calls on nations to assist developing countries by providing advice for adaptation (Article 7.7.d), a role that CSIRO and Australia have already begun in their investments in the Pacific Climate Change Science Program ([PCCSP](#)).

(d) Assisting developing country Parties in identifying effective adaptation practices, adaptation needs, priorities, support provided and received for adaptation actions and efforts, and challenges and gaps, in a manner consistent with encouraging good practices;

CSIRO's decision to slash climate research will severely curtail Australia's capacity to deliver on these key promises of the Paris Agreement. Australia needs to draw on state-of-the-art science to reach the best decisions on appropriate carbon reduction targets, and on effective adaptation and mitigation strategies. The Paris agreement will require independent verification tools to help policymakers evaluate progress with Intended Nationally Determined Contributions (INDCs)⁷. Such tools are fundamentally built of sustained comprehensive observations, advances in understanding of carbon sources and sinks and development of modelling tools.

The following example questions need to be addressed by ongoing Australian climate research. These further highlight that the climate change "question" is not yet resolved:

⁴ Bureau of Meteorology (AUS), [2016](#)

⁵ Bureau of Meteorology (AUS), [2016](#)

⁶ National Oceanographic and Atmospheric Administration (USA), [2016](#)

⁷ [United Nations Framework Convention on Climate Change](#)

- Will the El Niño variability that drives Australian droughts and floods become more frequent and more intense?
- What should Australia expect, and how should Australia prepare for more extreme weather: heatwaves, bushfires, cyclones, floods and hail?
- Will tropical diseases impact subtropical and temperate Australia as the tropics expand?
- Will Australia's bread basket, the Murray-Darling Basin, remain arable in coming decades, and able to maintain the agricultural productivity that underpins Australian life?
- Where will Australia harvest its food from both land and sea as climate regimes shift?
- Will the Southern Ocean continue to absorb the large proportion of the human-caused CO₂ increases as the planet continues to warm?
- Where and how much sea-level rise and extreme sea-level events should Australians expect and prepare for in their coastal communities and coastal infrastructure?
- Will Australia's Great Barrier Reef disappear due to the dual threats of ocean warming and ocean acidification? And what will be the impacts for the Australian economy?
- Where and how should Australia invest the billions of current and future dollars in necessary climate change adaptation, and in effective and efficient climate change mitigation?

Addressing these questions, and a multitude of others, requires climate research that focuses on Australia's regional/local scales, while understanding their relation to global-scales. The resulting scientific information and understanding are of crucial importance to local, state, and national governments, engineers, urban planners, businesses and the Australian public. This research provides necessary information for policymakers to formulate evidence-based policies leading to a sustainable and prosperous future.

Australia's climate science is world class. Building this research capacity and expertise within CSIRO has taken decades. Long-term strategic investment in climate science is critical for monitoring, modelling, understanding and predicting future climate variations and trends. Measurements that underpin climate research are irreplaceable and invaluable. If observing and modelling capacity is lost, so too is Australia and the World's ability to understand and prepare for climate change.

A vigorous and global scientific community is essential, with complementary expertise and resources housed in both government laboratories, academic institutions and private enterprise. In fact, such resources were largely what CSIRO has provided at its Hobart and Aspendale laboratories for decades. These laboratories have in turn offered critical long-term institutional memory and commitment needed to address the challenges of climate science, thus forming a solid partner with academic research and education throughout Australia.

We have articulated a need for Australian climate research to continue, indeed to accelerate. This climate research capacity is critical for Australia, Oceania, the Southern Hemisphere and the World. Without committing to the continued development of next generation climate monitoring and climate modelling, billions of public investment dollars for long term infrastructure will be based on guesswork rather than on strategic and informed science-driven policy. The societal benefits of climate science far outweigh the likely high costs of reacting to future climate change instead of strategically planning for it. If the CSIRO cuts proceed, and the existing capacity is not relocated, then Australia will not develop at its full capacity to assess the accelerating risks associated with climate change. We strongly recommend that Australia finds a mechanism to sustain and maintain its vibrant climate research community. If Australia does not host innovative, Aussie-generated climate domain knowledge, then Australian climate scientists will be compelled to seek opportunities elsewhere, a major loss for Australia.

This open letter from the international climate community is viewed as the start of an extended and sustained conversation on the importance, role and value of climate science to the Australian and global community. It is a prompt response to CSIRO's decision and a first step that we hope initiates a broader and more sustained dialogue that reaches across climate science, stakeholders, policy and the public.

This initiative has been coordinated by Paul J. Durack (Lawrence Livermore National Laboratory, USA) and Anna Pirani (ICTP, Italy) as a response to the announced CSIRO job cuts. The effort has received an overwhelming response from the international climate community.

Signatories are listed in the following pages. Over 2800 people have signed this letter from close to 60 countries. We note that all signatories are self-identified members of the climate community, signing as individuals rather than on behalf of their host institution.

Argentina

Pablo Canziani, Universidad Tecnologica Nacional +CONICET
Maria Castaneda, University of Buenos Aires
Maria Paz Chidichimo, Centro de Investigaciones del Mar y la Atmosfera
Rafael Pedro Fernandez, Centro de Investigaciones del Mar y la Atmosfera
Carla Gulizia, University of Buenos Aires
Claudio Menendez, Centro de Investigaciones del Mar y la Atmosfera
Claudio Perez, CONICET
Alberto Piola, University of Buenos Aires
Juan Antonio Rivera, Argentine Institute for Snow Research, Glaciology and Environmental Sciences (IANIGLA)
Martin Saraceno, University of Buenos Aires
Ramiro Saurral, University of Buenos Aires
Anna Sorensson, Centro de Investigaciones del Mar y la Atmosfera

Australia

Hugo Alonso-Cantabrana, Australian National University
Deborah Abbs, retired CSIRO
Nerilie Abram, Australian National University
Lisa Alexander, University of New South Wales
Kaitlin Alexander, University of New South Wales
Ben Arthur, IMAS, University of Tasmania
Timothy Ballard, University of Queensland
Mary Jane Beilby, School of Physics, University of New South Wales
Jason Beringer, University of Western Australia
Laurent Besnard, Integrated Marine Observing System
Nathan Bindoff, University of Tasmania
Jessica Birkett, Melbourne University
Julien Boucharel, University of New South Wales
Andrew Bowie, University of Tasmania
Chris Brownlee, University of New South Wales
Rebecca Buchholz, University of Wollongong
Christopher Bull, Climate Change Research Centre
Arden Burrell, University of New South Wales
Florian Busch, Australian National University
John Chapman, Bureau of Agricultural and Resource Economics (previous)
Sarah Charnaud, Burnet institute
Elizabeth Chelkowska, Member of the Institute of Physics/UK
David Child, ANSTO
Peter Christoff, University of Melbourne
Richard Coleman, University of Tasmania
Paula Conde Pardo, Antarctic Climate and Ecosystems (ACE-CRC)
Eva Cougnon, University of Tasmania
Grace Cumming, Department of State Growth Tasmania
Martin De Kauwe, Macquarie University
Nicholas Deutscher, University of Wollongong
Fabio Dias, University of Tasmania
Catia Domingues, University of Tasmania
Katja Dommenges, Australian-German Climate and Energy College, University of Melbourne
Peter Donaldson, CEO Filtration Solutions ex Assistant to CEO CSIRO
Kate Dooley, Australian-German Climate and Energy College, University of Melbourne

Axel Durand, University of Tasmania
Ross Edwards, Curtin University
Matthew England, University of New South Wales
Lou Flower, Landcare and Bushcare Network
Christopher Fogwill, University of New South Wales
Adrian Ford, Australian-German Climate and Energy College, The University of Melbourne
Marion Fourquez, ACE-CRC
Leela Frankcombe, University of New South Wales
Alexander Fraser, University of Tasmania
Roxana Gabriela, Institute for Marine and Antarctic Studies
Ailie Gallant, Monash University
Joelle Gergis, University of Melbourne
Felicity Graham, University of Tasmania
David Griffith, University of Wollongong
David Gwyther, University of Tasmania
Kylie Hall, Fisheries Victoria
Kathleen Harazin, Australian National University
Ellycia Harrould-Kolieb, Australian-German Climate and Energy College, University of Melbourne
Melissa Hart, University of New South Wales
Ned Haughton, University of New South Wales
Petra Heil, Australian Antarctic Division
Sanaa Hobeichi, Climate Change Research Centre, University of New South Wales
Mark Holzer, University of New South Wales
Pandora Hope, Bureau of Meteorology
Roger Hosking, University of Adelaide
Dean Howard, Macquarie University
Willem Huiskamp, Climate Change Research Centre, University of New South Wales
Lindsay Hutley, Charles Darwin University
Carolyn Ingvarson, Lighter Footprints
Julie Janssens, IMAS, University of Tasmania
Bianca Kallenberg, Australian National University
David Karoly, University of Melbourne
Jaroslav Kautsky, Flinders University of S.A. (adjunct)
Shane Keating, University of New South Wales
Andrew Kiss, University of New South Wales
Andreas Klocker, University of Tasmania
Kyne Krusic-Golub, Fish Ageing Services Pty Ltd
Tony LaMontagne, Director, Centre for Population Health Research, Deakin University
Dimitri Lafleur, Australian-German Climate & Energy College, University of Melbourne
Veronique Lago, University of Tasmania
Delphine Lannuzel, Institute for Marine and Antarctic Studies
Bonnie Laverock, University of Technology Sydney
Vladimir Levchenko, ANSTO
Sarah Levy, ClimateWorks Australia
Mathew Lipson, Centre of Excellence for Climate System Science
Joan Llort, Institute for Marine and Antarctic Studies, University of Tasmania
Lakshmanan Madhu, Australian German Climate and Energy College, University of Melbourne
Richard Maguire, Unfolding Futures Pty Ltd
Maria Maguire, Parramatta Climate Action Network
Dylan McConnell, Melbourne Energy Institute
Trevor McDougall, University of New South Wales
Helen McGregor, University of Wollongong
Malte Meinshausen, University of Melbourne
Katrin Meissner, University of New South Wales
Rachelle Meyer, Australian-German Climate and Energy College, University of Melbourne
Benjamin Moebis, Monash University
Mark Murphy, University of Western Australia
Clare Murphy (Paton-Walsh), University of Wollongong

Alexander Nauels, Australian-German Climate and Energy College, University of Melbourne
Rachel Neale, QIMR Berghofer Medical Research Institute
Neville Nicholls, Monash University
Alexander Norton, University of Melbourne
Barry Osmond, University of Wollongong and Australian National University
Claire Painter, ClimateWorks Australia
Graham Palmer, University of Melbourne
Nick Parry, Australian-German Climate and Energy College, University of Melbourne
Woodrow Pattinson, UTFPR
Elise Pendall, Western Sydney University
Sarah Perkins-Kirkpatrick, University of New South Wales
Liam Phelan, University of Newcastle
Gayle Philip, VLSCI
Helen Phillips, University of Tasmania
Andrew Pitman, University of New South Wales
Mick Pope, Bureau of Meteorology
Peter Rayner, University of Melbourne
Christine Rees, Fish Ageing Services Australia
Richard Reina, Monash University
Josh Reinke, Griffith University
Tomas Remenyi, Antarctic Climate and Ecosystems Cooperative Research Centre
Zoran Ristovski, Queensland University of Technology
Sharon Robinson, University of Wollongong
Yann Robiou du pont, Climate Energy College, University of Melbourne
Michele Rosano, Curtin University
Alvaro Roura, La Trobe University
Pavel Sakov, Bureau of Meteorology
Paul Sandery, Bureau of Meteorology
Agus Santoso, University of New South Wales
Tristan Sasse, University of New South Wales
Norman Saunders, University of Melbourne
Krystyna Saunders, Australian Nuclear Science and Technology Organisation
Larissa Schneider Guilhon, Australian National University
Robyn Schofield, University of Melbourne
John Scott, University of Western Australia
Gabriela Semolini Pilo, University of Tasmania
Alex Sen Gupta, Climate Change Research Centre, University of New South Wales
Steve Sherwood, University of New South Wales
Andrew Smith, Australian Nuclear Science and Technology Organisation
Kial Stewart, Australian National University
Jozef Syktus, Global Change Institute, University of Queensland
Anita Talberg, Australian-German Climate and Energy College, University of Melbourne
Eng Joo Tan, Climate Change Research Centre, University of New South Wales
Claire Trenham, National Computational Infrastructure
Steven Utembe, University of Melbourne
Martin Wainstein, Australian-German Climate and Energy College, University of Melbourne
Anton Wallner, Australian National University
Chris Waring, ANSTO
Andrew Watkins, Bureau of Meteorology
Stephen Wilson, University of Wollongong
Rebecca Wilson, Macquarie University
Annabelle Workman, Australian-German Climate and Energy College, University of Melbourne
Matthew Wright, Australian-German Climate and Energy College, University of Melbourne
Marta Yebra, Australian National University
Sarah Ugalde, Institute for Marine and Antarctic Studies, University of Tasmania
Virginie van Dongen-Vogels, University of Technology Sydney
Pier van der Merwe, Antarctic Climate and Ecosystems CRC, University of Tasmania

Austria

Stefan A.G. Askew, University of Graz (Alumni)
Sergey Assonov, International Atomic Energy Agency (IAEA)
Hartmut Derler, University of Graz
Martin Kainz, WasserCluster Lunz
Rene Kollmann, Graz University of Technology
Douglas Maraun, Wegener Center for Climate and Global Change, University of Graz
Michele Nunn, Norbert Rabl ZT GmbH
Mariana Olvera Colin, University of Graz
Harald Rieder, University of Graz
Andrea Steiner, Wegener Center, University of Graz
Daniela Wimmer, University of Helsinki
Georg Wohlfahrt, University of Innsbruck
Jan Wuite, ENVEO - Environmental Earth Observation, Innsbruck
Elisabeth Schlosser, University of Innsbruck

Belgium

Cecile Agosta, University of Liege
Sylvie Baguet, University of Antwerp
Alexander Barth, University of Liege
Sebastien Bertrand, Ghent University
Gauthier Carnat, Universite Libre de Bruxelles
Cindy De Jonge, University of Antwerp
Evelyn De Wachter, Royal Belgian Institute for Space Aeronomy (BIRA-IASB)
Frank Dehairs, Vrije Universiteit Brussels (AMGC)
Bruno Delille, University of Liege
Xavier Fettweis, University of Liege
Bruno Franco, University of Liege
Francois Fripiat, Vrije Universiteit Brussel
Philippe Huybrechts, Vrije Universiteit Brussel
Niki Leblans, University of Antwerp
Emmanuel Mahieu, University of Liege
Sebastien Moreau, Universite catholique de Louvain
Jean-Francois Muller, Royal Belgian Institute for Space Aeronomy
Veronique Schoemann, Universite Libre de Bruxelles
Christian Servais, University of Liege
Mahesh Kumar Sha, Royal Belgian Institute for Space Aeronomy
Trispevgeni Stavrou, Royal Belgian Institute for Space Aeronomy
Jean-Louis Tison, Universite Libre de Bruxelles
Oscar Vanderborght, Chair, former IGBP Committee, National Academies of Science, Brussels, Belgium
Hans Verbeeck, Ghent University
Corinne Vigouroux, Royal Belgian Institute for Space Aeronomy (BIRA-IASB)
Lineke Woelders, KU Leuven

Bermuda

Nicholas R Bates, Bermuda Institute of Ocean Sciences
Leocadio Blanco Bercial, Bermuda Institute of Ocean Sciences
Andrew Peters, Bermuda Institute of Ocean Sciences

Bolivia

Marcos Andrade, Universidad Mayor de San Andres

Brazil

Maria de Fatima Andrade, University of Sao Paulo
Francisco Eliseu Aquino, Federal University of Rio Grande do Sul
Paulo Artaxo, University of Sao Paulo
Paulo Calil, Universidade Federal do Rio Grande
Paula Campos, National Institute for Space Research

Mauro Cirano, Federal University of Rio de Janeiro
Gerson Fernandino, Universidade Federal da Bahia
Mariana Guenther, Universidade de Pernambuco
Vanessa Hatje, Universidade Federal da Bahia
Rodrigo Kerr, Federal University of Rio Grande
Mauricio Mata, Federal University of Rio Grande
Luciano Pezzi, National Institute for Space Research
Paulo Polito, University of Sao Paulo
Luciana Rizzo, Universidade Federal de Sao Paulo
Nicole Silva, Federal University of Rio Grande
Admir Creso Targino, Federal University of Technology
Ilana Wainer, Universidade de Sao Paulo

Canada

Susan Allen, University of British Columbia
Vivek Arora, Environment and Climate Change Canada
Michael Arts, Ryerson University
Ali Asaadi, McGill University
Maziar Banishahabadi, McGill University
Howard Barker, Environment and Climate Change Canada
Hugo Beltrami, St. Francis Xavier University
Maya Bhatia, University of British Columbia
Andrew Black, University of British Columbia
Jan Bottenheim, Environment and Climate Change Canada (retired)
Line Bourdages, McGill University
Daniel Bourgault, Universite du Quebec a Rimouski
Kevin Bowley, McGill University
Lindsay Brin, Agriculture and Agri-Food Canada
Charles Brunette, McGill University
Lesley Campbell, Ryerson University
Andreas Christen, University of British Columbia
Graham Cogley, Trent University
Orfeo Colebatch, University of Toronto
Nicholas Collins, University of Toronto Mississauga
Marie-Claude Cote-Laurin, Merinov
Jacques Derome, McGill University
Miriam Diamond, University of Toronto
Sonja Druke, McGill University
James Drummond, Dalhousie University
Steve Easterbrook, University of Toronto
Marianne Falardeau, McGill University
Augustus Fanning, EnvirOcean
David Farmer, University of Victoria
Mark Fedyk, Mount Allison University
Katja Fennel, Dalhousie University
Julie Friddell, University of Waterloo
Stephanie Gagne, Dalhousie University
Nicholas Grant, University of British Columbia
Nicolas Grisouard, University of Toronto
Lanli Guo, Dalhousie University
Sebastian Haas, Dalhousie University
Jochen Halfar Halfar, University of Toronto
Alex Hay, Dalhousie University
Patrick Hayes, Universite de Montreal
Dave Hebert, Bedford Institute of Oceanography
Sareh Hesaraki, Universite de Sherbrooke
Amber Holdsworth, University of Victoria
Xianmin Hu, University of Alberta

David Huard, Ouranos
Jeffrey Huchings, Dalhousie University
Mary Ann Jenkins, York University
Dylan Jones, University of Toronto
Dan Kelley, Dalhousie University
Boualem Khouider, University of Victoria
Janet Koprivnikar, Ryerson University
Alexander Kostenko, University of Toronto
Paul Kushner, University of Toronto
Jane Liu, University of Toronto
Youyu Lu, Bedford Institute of Oceanography, Fisheries and Oceans Canada
Juliana Marson, University of Alberta
Randall Martin, Dalhousie University
Gordon McBean, Western University
Harry McCaughey, Queen's University, Kingston, Ontario
Tom McElroy, York University
Joseph Mendonca, University of Toronto
Timothy Merlis, McGill University
Steve Mihaly, University of Victoria
Lisa Miller, Institute of Ocean Sciences
Kent Moore, University of Toronto
George A. B. Moore, University of Guelph (retired)
Alexander Moravek, University of Toronto
Laura Morillas, University of British Columbia
May Myklebust, Trent University
Daniel Nadeau, Universite Laval
Jocelyn Nelson, University of British Columbia
Katie O'Dwyer, Ryerson University
Jean-Philippe Paquin, Fisheries and Ocean Canada
W. Richard Peltier, Dept of Physics, University of Toronto
Jonas Roberts, Amec Foster Wheeler
Tetjana Ross, Institute of Ocean Sciences/Dalhousie University
Raphael Rousseau-Rizzi, McGill University
Barry Ruddick, Dalhousie University
Soren Rysgaard, University of Manitoba
Emilie Saulnier-Talbot, Universite Laval
Benjamin Scheifele, University of British Columbia
Jinyu Sheng, Department of Oceanography, Dalhousie University
Keith Solomon, University of Guelph and Secretary United Nations Environmental Programme Environmental Effects Assessment Panel
Kimberly Strong, University of Toronto
Stephanne Taylor, McGill University
Keith Thompson, Dalhousie University
Daniela Turk, Dalhousie University
Knut von Salzen, University of Victoria
Douglas Wallace, Dalhousie University
Stephanie Waterman, University of British Columbia
Peter G. Wells, Dalhousie University
Aldona Wiacek, Saint Mary's University
Debra Wunch, University of Toronto
Julianne Yip, McGill University
Jielai Zhang, University of Toronto

Canada/USA

Clark Richards, RBR Ltd/Woods Hole Oceanographic Institution

Chile

Patricio Aceituno, Universidad de Chile

Ali Belmadani, University of Concepcion
Laura Gallardo, Universidad de Chile, Center for Climate and Resilience Research
Shelley MacDonell, Centro de Estudios Avanzados en Zonas Aridas
Jose Stuardo, University of Concepcion

China

Lijing Cheng, Institute of Atmospheric Physics, Chinese Academy of Sciences
Minhan Dai, Xiamen University
Valerly Detemmerman, International CLIVAR Project Office
Yongxiang Huang, State Key Laboratory of Marine Environmental Science
Qian Li, LAGEO, IAP, CAS
Xiaopei Lin, Ocean University of China
Lin Liu, The Chinese University of Hong Kong
Ya-Wei Luo, Xiamen University
Jiuxin Shi, Ocean University of China
Amos Tai, The Chinese University of Hong Kong
Yuxuan Wang, Tsinghua University
Liangxia Zhang, Nanjing University of Information Science and Technology
Decheng Zhou, Nanjing University of Information Science and Technology
Tong Zhu, Peking University

Colombia

Rodrigo Jimenez, Universidad Nacional de Colombia
Nestor Rojas, Universidad Nacional de Colombia

Croatia

Jelena Godrijan, Ruder Boskovic Institute
Brunislav Matasovic, J.J. Strossmayer University of Osijek

Czech Republic

Pavel Cudlin, Global Change Research Institute CAS
Radan Huth, Charles University
Jiri Kolman, Global Change Research Institute of Czech Academy of Sciences
Lenka Krupkova, Global Change Research Institute CAS
Acosta Manuel, Global Change Research Institute, CAS
Ryan McGloin, Global Change Research Institute of Czech Academy of Sciences
Katerina Parilova, Global Change Research Institute of Czech Academy of Sciences
Pavel Sedlak, Institute of Atmospheric Physics, Czech Academy of Sciences
Ladislav Sigut, Global Change Research Institute of Czech Academy of Sciences
Vladimir Spunda, University of Ostrava
Petr Stepanek, Global Change Research Institute of Czech Academy of Sciences
Michal Voldan, Czech Metrology Institute
Shilpi Yadav, Global Change Research Institute of Czech Academy of Sciences
Michal Zak, Charles University
Tomas Zavrel, Global Change Research Institute of Czech Academy of Sciences

Denmark

Ole Andersen, DTU Space
Thomas Blunier, Niels Bohr Institute, University of Copenhagen
Jonas Bluthgen, Niels Bohr Institute, University of Copenhagen
Jason Box, Geological Survey of Denmark and Greenland
Viorela Gabriela Ciobanu, Niels Bohr Institute, University of Copenhagen
Vasileios Gkinis, Post Doctoral Researcher
Marianne Glasius, Aarhus University
Kaitlin Keegan, University of Copenhagen
Marie Kirk, University of Copenhagen
Helle Astrid Kjaer, Niels Bohr Institute, University of Copenhagen

Magnus Lund, Aarhus University
Niccolo Maffezzoli, Niels Bohr Institute, University of Copenhagen
Alistair McConnell, University of Copenhagen
Troels Bogeholm Mikkelsen, Niels Bohr Institute, University of Copenhagen
Joel Pedro, Niels Bohr Institute, University of Copenhagen
Sune Olander Rasmussen, University of Copenhagen
Martin Stendel, Danish Meteorological Institute
Rasmus Swalethorp, Technical University of Denmark
Diana Vladimirova, Niels Bohr Institute, University of Copenhagen
Mai Winstrup, University of Copenhagen

Estonia

Rein Vaikmae, Institute of Geology at Tallinn University of Technology

Ethiopia

Dong-Gill Kim, Hawassa University
Fetene Zerihun, Climate change and development

Fiji

Elisabeth Holland, University of the South Pacific
Awnesh Singh, University of the South Pacific

Finland

Tuula Aalto, Finnish Meteorological Institute
Juha Aalto, Finnish Meteorological Institute
Hermann Aaltonen, Finnish Meteorological Institute
Pavel Alekseychik, University of Helsinki
Ari Asmi, University of Helsinki
Mikko Auvinen, University of Helsinki/Finnish Meteorological Institute
Jaana Back, University of Helsinki
Federico Bianchi, University of Helsinki
Michael Boy, University of Helsinki
Jonathan Duplissy, University of Helsinki
Mikael Ehn, University of Helsinki
Joonas Enroth, University of Helsinki
Alessandro Franchin, University of Helsinki
Olga Garmash, University of Helsinki
Liine Heikkinen, University of Helsinki
Leena Jarvi, University of Helsinki
Heikki Jarvinen, University of Helsinki
Marjut Kaukolehto, University of Helsinki
Petri Keronen, University of Helsinki
Jenni Kontkanen, University of Helsinki
Markku Kulmala, University of Helsinki
Mona Kurppa, Meteorology student
Antti Lauri, University of Helsinki
Xuefei Li, University of Helsinki
Mari Maki, University of Helsinki
Risto Makkonen, University of Helsinki
Antti Manninen, University of Helsinki
Hanna Manninen, University of Helsinki
Dmitri Moisseev, University of Helsinki
Anna Nikandrova, University of Helsinki
Pauli Paasonen, University of Helsinki
Otso Perakyla, University of Helsinki
Mari Pihlatie, University of Helsinki
Jouni Raisanen, University of Helsinki
Matti Rasanen, University of Helsinki

Matti Rissanen, University of Helsinki
Taina Ruuskanen, University of Helsinki
Narasinha Shurpali, University of Eastern Finland
Victoria Sinclair, University of Helsinki
Mikhail` Sofiev, Finnish Meteorological Institute
Ksenia Tabakova, University of Helsinki
Ditte Taipale, University of Helsinki
Risto Taipale, University of Helsinki
Letizia Tedesco, Finnish Environment Institute
Petteri Uotila, Finnish Meteorological Institute
Timo Vesala, University of Helsinki
Aki Virkkula, Finnish Meteorological Institute
Robert Wagner, University of Helsinki
Sergej Zilitinkevich, Finnish Meteorological Institute

France

Anais Aubert, CNRS
Mathieu Belbeoch, JCOMMOPS (IOC - WMO)
Etienne Berthier, CNRS, University of Toulouse
Pierre-Francois Baisnee, Institut de Recherche pour le Developpement
Leo Berline, MIO
Henry Bittig, Laboratoire d'Océanographie de Villefranche-sur-Mer
Pascal Bonnefond, CNES
Sandrine Bony, LMD/IPSL, CNRS
Laurent Bopp, Centre National de la Recherche Scientifique
Anthony Bosse, LOCEAN-IPSL
Pascale Bouruet-Aubertot, Université Pierre et Marie Curie- Paris VI- Sorbonne Universités- LOCEAN
Jacqueline Boutin, CNRS
Pascale Braconnot, IPSL/LSCE
Emilie Brion, ALTRAN
Cecile Cabanes, CNRS
Damien Cardinal, Sorbonne University - Université Pierre and Marie Curie
Alexis Chaigneu, IRD/LEGOS
Christine Coatanoan, IFREMER
Bernard Cappelaere, IRD
Christophe Cassou, CNRS-CERFACS
Anny Cazenave, LEGOS/CNES
Christopher Chapman, LOCEAN
Guillaume Charria, IFREMER
Philippe Ciais, LSCE
Daniele Ciani, Université de Bretagne Occidentale
Jeremy Collin, LOPS, University of Western Brittany
Andrea Costa, Aix-Marseille University
Lydie Couturier, Mediterranean Institute of Oceanography, Aix-Marseille University
Suzanne Crumeyrolle, Laboratoire d'Optique Atmosphérique
Frederic Cyr, Mediterranean Institute of Oceanography
Christine David-Beausire, Institut Universitaire Européen de la Mer
Michel Denis, CNRS
Xavier Durrieu De Madron, CNRS
Isabelle Dadou, LEGOS
Nathalie Daniault, IFREMER
Valerie Daux, LSCE
Francois De Vleeschouwer, CNRS
Gilles Delaygue, University of Grenoble Alpes
Thierry Delcroix, IRD / LEGOS
Nicolas Delpierre, Université Paris-Sud
Gerald Dibarboure, CLS
Andrea Doglioli, Mediterranean Institute of Oceanography, Université d'Aix-Marseille

Marie Drevillon, Mercator Ocean
Yann Drillet, Mercator Ocean
Jean-Louis Dufresne, LMD/IPSL, NCRS/UPMC
Stephanie Evan, CNRS
Claude Frankignoul, Universite Pierre et Marie Curie
Vincent Favier, LGGE, Universite Joseph Fourier
Charlene Feucher, IFREMER
Renaud Fichez, Institut de Recherche pour le Developpement
Michel Fily, Universite Grenoble Alpes
Gilles Foret, LISA
Eric Greiner, CLS
Hubert Gallee, CNRS/LGGE
Veronique Garcon, CNRS
Gilles Garric, Mercator Ocean
Jean Claude Gascard, University Pierre et Marie Curie
Christian George, CNRS
Teresa Gimeno, INRA
Eric Guilyardi, IPSL/CNRS and NCAS-Climate
Stephanie Guinehut, CLS
Celine Guivarch, CIRED
Jonathan Gula, Universite de Bretagne Occidentale
Lynn Hazan, LSCE
Fabrice Hernandez, IRD
Marie-Noelle Houssais, Laboratoire d'Océanographie et du Climat- CNRS
Rong-Ming Hu, CNRS
Thierry Huck, CNRS
Serge Janicot, Institut de Recherche pour le Developpement
Pascal Jeseck, CNRS/LERMA
Nicolas Jourdain, CNRS-LGGE
Nicolas Kolodziejczyk, LOPS/Universite de Bretagne Occidentale
Gerhard Krinner, CNRS
Blandine L'Heveder, LOCEAN, IPSL
Dominique Lefevre, CNRS
Sara Labrousse, LOCEAN, UPMC
Juliette Lambin, CNES
Julien Le Sommer, CNRS
Pierre Yves Le TRAON, IFREMER and Mercator Ocean
Thierry Lebel, IRD
Karine Leblanc, CNRS
JeanFrancois Legeais, CLS
Bernard Legras, LMD/IPSL - CNRS
Marina Levy, CNRS
Pascale Lherminier, IFREMER
Camille Lique, IFREMER
William Llovel, CNES/CERFACS
Robin Locatelli, CEA
Bernard Longdoz, French National Institute for Agronomic Research
Remi Losno, IGP
Florent Lyard, CNRS/LEGOS
Louis Marie, IFREMER
Valery Masson, METEO-FRANCE
Nicolas Metzl, CNRS LOCEAN/IPSL
Natasha MacBean, LSCE
Eric Machu, IRD
gurvan Madec, CNRS and NERC
Eric Maisonnave, CNRS
Virginie Marecal, CNRS
Valerie Masson-Delmotte, IPSL/LSCE

Guillaume Maze, IFREMER
Angelique Melet, Mercator Ocean
Claire Menesguen, IFREMER
Jacques Merle, IRD
Benoit Meyssignac, CNES/LEGOS
Juliette Mignot, IRD
Jean-Marc Molines, LGGE/CNRS
Rosemary Morrow, LEGOS
Rym Msadek, CERFACS/CNRS
Henri-Claude Nataf, CNRS
Albert Olioso, INRA
James Orr, LSCE/IPSL
Jean-Marc Ourcival, CNRS
Aurelien Paulmier, LEGOS/IRD
Frederic Parrenin, CNRS
Thierry Penduff, CNRS
Anne Piron, Laboratoire d'Océanographie Physique et Spatiale
Benjamin Pohl, CNRS/University of Burgundy
Jan Polcher, IPSL/CNRS/LMD
Bernard Queguiner, Aix-Marseille University
Michel Ramonet, LSCE, CNRS
Dominique Raynaud, LGGE
Aurelien Ribes, CNRM-GAME/Meteo France/CNRS
Philippe Rogel, CERFACS
Jean-baptiste Sallee, CNRS
Carole Saout-Grit, GLAZEO
Joel Savarino, CNRS
Nathalie Sennechael, MNHN
Guillaume Serazin, LGGE
Dominique Serca, Laboratoire d'Aerologie, Universite de Toulouse
MArie Sinoir, Bureau MH2O, ex CMAR
Sabrina Speich, LMD, IPSL, Ecole Normale Supérieure de Paris
Justin Stopa, IFREMER/University Brest/CNRS/IRD
Emmanuelle Sultan, MNHN
Soulivanh Thao, CNRM-GAME/Meteo France/CNRS
Olivier Talagrand, LMD, Ecole Normale Supérieure de Paris
Laurent Testut, University of Toulouse
Liselotte Tinel, IRCELYON-CNRS
Florian Tolle, Universite de Franche-Comte
Jean Tournadre, IFREMER
Anne Marie Treguier, CNRS
Martin Vancoppenolle, CNRS
Nathalie Verbrugge, CLS
Frederic Vivier, CNRS/LOCEAN/IPSL
Florence Volaire, INRA
Karina Von Schuckmann, Mercator Ocean
Anthony Weaver, CERFACS
Dandonneau Yves, IRD (retired)
Isabella Zin, University Grenoble Alpes
Olga Zolina, LGGE
Philippe Bousquet, Universite de Versailles Saint-Quentin en Yvelines
Herve Claustre, CNRS
Clement de Boyer Montegut, IFREMER
Thibault de Garidel, CNRS
Casimir de Lavergne, Universite Pierre et Marie Curie
Taline Elmayan, INRA
Christophe Maes, IRD
Gilles Tavernier, CNES

Didier Voisin, University Grenoble Alpes

Germany

Meinrat O. Andreae, Max Planck Institute for Chemistry
Ingrid Milena Angel Benavides, Helmholtz Zentrum Geesthacht
Peter Anthoni, Karlsruhe Institute of Technology
Ioanna Arka, LMU Munich
Almut Arneth, Karlsruhe Institute of Technology
Sabrina Arnold, Max Planck Institute for Biogeochemistry
Hermann Bange, GEOMAR Helmholtz Centre for Ocean Research
Anneke Batenburg, Johannes Gutenberg University Mainz
Sabine Baumann, TUM
Maddalena Bayer, Alfred Wegener Institute Helmholtz-Center for Polar and Marine Research
Thomas Blumenstock, Karlsruhe Institute of Technology
Olaf Boebel, Alfred-Wegener-Institute Helmholtz-Center for Polar and Marine Research
Claus Boening, GEOMAR Helmholtz Centre for Ocean Research
Fabio Boschetti, Max-Planck-Institute for Biogeochemistry
Peter Brandt, GEOMAR Helmholtz Centre for Ocean Research Kiel
Holger Brix, Institute of Coastal Research, Helmholtz-Zentrum Geesthacht
Tim Butler, Institute for Advanced Sustainability Studies
Allan Cembella, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Matthias Cuntz, Helmholtz Centre for Environmental Research
Christopher Danek, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Sonke Dangendorf, University of Siegen
Manuel Dienst, University of Mainz
Heiner Dietze, GEOMAR Helmholtz Centre for Ocean Research
Olaf Duteil, GEOMAR Helmholtz Centre for Ocean Research
Olaf Eisen, Alfred Wegener Institute for Polar and Marine Research
Tarek El-Madany, Max Planck Institute for Biogeochemistry
Andreas Engel, University of Frankfurt
Dietrich Feist, Max Planck Institute for Biogeochemistry
Rainer Feistel, Leibniz Institute for Baltic Sea Research (retired)
Hauke Flores, Alfred Wegener Institute for Polar and Marine Research
Prof. Dr. Thomas Foken, University of Bayreuth (retired)
Gerardo Fratini, LI-COR Biosciences
Ivy Frenger, GEOMAR Helmholtz Centre for Ocean Research
Udo Friess, Institute of Environmental Physics, University of Heidelberg
Juliane Geller, Max Planck Institute for Biogeochemistry
Christoph Gerbig, Max Planck Institute for Biogeochemistry
Paul Gierz, Alfred Wegener Institute for Polar and Marine Research
Stefan Gilge, German Meteorological Service
Matthias Gobel, University of Heidelberg
Viktor Gouretski, University of Hamburg
Martin Graeve, Alfred Wegener Institute for Polar and Marine Research
Richard Greatbatch, GEOMAR Helmholtz Centre for Ocean Research
Edward Gryspeerdt, Universität Leipzig
Marcus Guderle, Technische Universität München
Dorthe Handorf, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Stijn Hantson, Karlsruhe Institute of Technology
Hartwig Harder, Max Planck Institute for Chemistry
Frank Hase, Karlsruhe Institute of Technology
Christiane Hassenrueck, Max Planck Institute for Marine Microbiology
Judith Hauck, Alfred Wegener Institute for Polar and Marine Research
Stefan Hendricks, Alfred Wegener Institute for Polar and Marine Research
Hartmut Herrmann, TROPOS Leipzig
Fabian Hoffmann, Leibniz Universität Hannover
Robert Holla, Deutscher Wetterdienst
Clara Hoppe, Alfred Wegener Institute - Helmholtz Center for Polar and Marine Research

Mario Hoppema, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Sarah Howald, Alfred Wegener Institute for Polar and Marine Research
Rory Hutson, EUMETSAT
Ruprecht Jaenicke, Institut für Physik der Atmosphäre, University Mainz
Thomas Jung, Alfred Wegener Institute for Polar and Marine Research
Sonja Kaiser, Max-Planck-Institute for Biogeochemistry
Andrea Kaiser-Weiss, Deutscher Wetterdienst
Nanna Karlsson, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Frank Kaspar, Deutscher Wetterdienst
Jens Kattge, Max Planck Institute for Biogeochemistry
Johanna Kerch, Institute of Environmental Physics, Heidelberg University
Rainer Kiko, GEOMAR Helmholtz Centre for Ocean Research
Gerard Kilroy, LMU
Madlen Kimmritz, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Dominik Kneer, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Alexander Knohl, University of Göttingen
Peter Koehler, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Wolfgang Koeve, GEOMAR Helmholtz Centre for Ocean Research
Alexandra Kraberg, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Anika Krause, University of Potsdam
Uta Krebs-Kanzow, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Dagmar Kubistin, Deutscher Wetterdienst
Martin Kunz, Max Planck Institute for Biogeochemistry
Juergen Kusche, University of Bonn
Karin Kvale, GEOMAR Helmholtz Centre for Ocean Research
Min Jung Kwon, Max Planck Institute for Biogeochemistry
Thomas Laepple, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Jost V. Lavric, Max Planck Institute for Biogeochemistry
Mark Lawrence, Institute for Advanced Sustainability Studies
Peter Lemke, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Ingeborg Levin, Institute of Environmental Physics, Heidelberg University
Ingrid Linck Rosenhaim, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Jenny Linden, Johannes-Gutenberg University
Stefanie Linow, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Alexander Lohse, University of Hamburg
Claudia Lorenz, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Svetlana Losa, Alfred Wegener Institute Helmholtz Center for Polar and Marine Research
Martin Losch, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Christof Lupkes, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Juerg Luterbacher, Justus Liebig University of Giessen
Khadak Mahata, Institute for Advanced Sustainability Studies
Jochem Marotzke, Max Planck Institute for Meteorology
Julia Marshall, Max Planck Institute for Biogeochemistry
Natasha McDonald, GEOMAR-Helmholtz Centre for Ocean Research
Perla Mellado, Max Planck Institute for Biogeochemistry
Matthias Mengel, Potsdam Institute for Climate Impact Research
Jeroen Mesman, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Mahdi Mohammadi-Aragh, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Katrin Mueller, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Jennifer Muller, Deutscher Wetterdienst
Johannes Mulmenstadt, Universität Leipzig
Thomas Munch, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Maria Chun Nielsdottir, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Lu Niu, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Dirk Notz, Max Planck Institute for Meteorology
Tonatiuh Guillermo Nunez Ramirez, Max Planck Institute for Biogeochemistry
Michael Oellermann, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Pierre Offre, Max Planck Institute for Marine Microbiology

Dirk Olbers, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
William Orsi, Ludwig Maximilians Universität Munich
Andreas Oschlies, GEOMAR Helmholtz Centre for Ocean Research
Mathias Palm, Universität Bremen
Oleg Panferov, University of Applied Sciences, Bingen
Sung-Bin Park, Max Planck Institute for Biogeochemistry
Marcello Passaro, Deutsches Geodatisches Forschungsinstitut (DGFI)
Karsten Peters, Max Planck Institute for Meteorology
Madlene Pfeiffer, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Klaus Pfeilsticker, University of Heidelberg
Hans Poertner, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Thomas Pugh, Karlsruhe Institute of Technology
Johannes Quaas, University of Leipzig
Stefan Rahmstorf, Potsdam Institute for Climate Impact Research
Corinna Rebmann, Helmholtz Centre for Environmental Research
Krissy Reeve, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Kira Rehfeld, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Markus Reichstein, Max-Planck-Institute for Biogeochemistry
Markus Rettinger, Karlsruhe Institute of Technology
Friedemann Reum, Max Planck Institute for Biogeochemistry
Monika Rhein, Bremen University
Thomas Riddick, Max Planck Institute for Meteorology
Ulf Riebesell, GEOMAR Helmholtz Centre for Ocean Research
Achim Roessler, University Bremen
Nick Rogan, GEOMAR Helmholtz Centre for Ocean Research
Susanne Rolinski, Potsdam Institute for Climate Impact Research
Niall Ryan, Institute of Environmental Physics, University of Bremen
Michael Sabasch, University of Heidelberg
Torsten Sachs, German Research Centre for Geosciences
Ian Salter, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Marc Salzmann, Universität Leipzig
Manuela Sauer, Leibniz Universität Hannover
Tobias Sauter, Friedrich-Alberts Universität Erlangen
Janin Schaffer, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Martin Scharffenberg, Universität Hamburg
Markus Schartau, GEOMAR Helmholtz Centre for Ocean Research
Hans Peter Schmid, Karlsruhe Institute of Technology
Matthias Schmidt, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Sunke Schmidtke, GEOMAR Helmholtz Centre for Ocean Research
Stefan Schmitt, Institute of Environmental Physics Heidelberg
Johannes Schneider, Max Planck Institute for Chemistry
Tilo Schöne, German Research Centre for Geosciences
Ingo Schöning, Max-Planck-Institute for Biogeochemistry
Jens Schroeter, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Ernst-Detlef Schulze, Max Planck Institute for Biogeochemistry
Marcus Schumacher, Deutscher Wetterdienst
Thomas Seifert, Max-Planck-Institute for Biogeochemistry
Tido Semmler, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Mariana Soppa, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Michael Staerz, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Detlef Stammer, Universität Hamburg
Emil Stanev, HZG
Joanna Staneva, HZG
Laura Stapp, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Rainer Steinbrecher, Karlsruhe Institute of Technology
Ilaria Stendardo, Universität Bremen
Christian Stepanek, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Volker Strass, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

DIPU Sudhakar, University of Leipzig
Peter Suppan, Karlsruhe Institute of Technology
Toste Tanhua, GEOMAR Helmholtz Centre for Ocean Research
Mine Tekman, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Claudia Timmreck, Max Planck Institute for Meteorology
Scarlett Trimborn, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Susan Trumbore, Max-Planck Institute for Biogeochemistry
Christiane Uhlig, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Mischa Ungermaun, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Sanam Vardag, University of Heidelberg
Victor Venema, University of Bonn
Martin Visbeck, GEOMAR Helmholtz Centre for Ocean Research and Kiel University
Andreas Wahner, Forschungszentrum Juelich
Ulrich Weber, Max-Planck Institute for Biogeochemistry
Tine Weinzierl, University of Bremen
Martin Werner, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
Juergen Willebrand, GEOMAR Helmholtz Centre for Ocean Research and Kiel University
Juliane Wolter, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Dianming Wu, Max Planck Institute for Chemistry
XU ZHANG, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Katharina Zacher, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Cornelius Zetzsch, University Bayreuth and Max Planck Institute for Chemistry
Florian Ziemann, Max Planck Institute for Meteorology
Mathias van Cappel, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Veronika Ceballos, Max Planck Institute for Biogeochemistry
Meri Bilan, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research

Germany/Finland

Martin Heimann, Max-Planck-Institute for Biogeochemistry, and University of Helsinki

Germany/Norway

Wolfgang Dierking, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research and Arctic University of Norway
Tore Hattermann, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research/Akvaplan-niva AS

Greece

Maria Hatzaki, University of Athens
Kolokythas Kostas, University of Patras
Stelios Mertikas, Technical University of Crete
Alex Papayannis, National Technical University of Athens

Greenland

Majbritt Sorensen, Asiaq - Greenland Survey

Hungary

Daniel Topal, Eotvos Lorand University

Iceland

Throstur Thorsteinsson, University of Iceland

India

Krishna AchutaRao, Indian Institute of Technology
Dipnarayan Ganguly, NCSCM
Chikka Kalyani Devasena, DST Women Scientist
Joy Monteiro, Indian Institute of Science
Indira Nuggehalli, CSIR Fourth Paradigm Institute
Muthalagu Ravichandran, Indian National Centre for Ocean Information and Services

VVSS Sarma, National Institute of Oceanography
Satheesh Shenoi, Indian National Centre for Ocean Information and Services
Vinayak Sinha, Indian Institute of Science Education and Research Mohali
Pananjady Swathi, CSIR Fourth Paradigm Institute
Tata VS Udaya Bhaskar, Indian National Centre for Ocean Information Services
Vinoj Velu, Indian Institute of Technology

Indonesia

Deirdre Duggan, Masyarakat dan Perikanan Indonesia
Iskhaq Iskandar, University of Sriwijaya
Gerry Giliant Salamena, Indonesian Institute of Sciences and Alumnus of James Cook University (Australia)
Ardhasena Sopaheluwakan, Agency for Meteorology Climatology and Geophysics

Ireland

Harald Berresheim, National University of Ireland Galway
Ro Charlton, Maynooth University
Emer Cooney, Dublin City University, Trinity College and University of the West Indies
Xuefeng Cui, University College Dublin
Michael Deininger, University College Dublin
Rowan Fealy, Maynooth University
Padraig Flattery, Maynooth University
Ian Gillespie, Maynooth University
Shaun Harrigan, Irish Climate Analysis and Research Units Maynooth University
Donal Hogan, Trinity College Dublin
Alastair McKinstry, Irish Centre for High-End Computing
Meadhbh Moriarty, Trinity College Dublin
Simon Noone, ICARUS, Maynooth University
Enda O'Brien, Irish Centre for High-End Computing
Gerard Spain, National University of Ireland Galway
Bettina Stefanini, Maynooth University
Angela Stevenson, Trinity College Dublin
Peter Thorne, Maynooth University
Seamus Walsh, Met Eireann
Brian Ward, National University of Ireland Galway

Israel

Hezi Gildor, Hebrew University of Jerusalem
Jose Marc Grunzweig, Hebrew University of Jerusalem
Yohai Kaspi, Weizmann Institute of Science

Italy

Stefano Aliani, Institute Marine Science, CNR
Francesca Alvisi, CNR
Domenico Anfossi, ISAC - CNR
Florinda Artuso, ENEA
Michele Brunetti, Institute of Atmospheric Sciences and Climate of the National Research Council Jerome Benveniste,
European Space Agency
Emanuele Bohm, CNR ISAC
Luca Bolognini, CNR-ISMAR
Vittorio Brando, CNR - ISAC
Paolo Cristofanelli, CNR
Alessandra Campanelli, Institute Marine Science, CNR
Carolina Cantoni, CNR
Luigi Cavaleri, Institute of Marine Science, CNR
Meganne Christian, CNR-IMM
Alessandra Conversi, Institute of Marine Science, CNR
Graziano Coppa, INRiM
Antonio D'Onofrio, Second University of Naples

Egidio Di Fusco, Second University of Naples
Noelia Estevez Calvar, Institute of Marine Science, CNR
Pierpaolo Falco, University of Naples Parthenope
Riccardo Farneti, International Centre for Theoretical Physics
Massimo Frezzotti, ENEA
Diego Luis Gonzalez, CNR
Annalisa Griffa, Institute of Marine Science, CNR
Irene Guarneri, Institute of Marine Science, CNR
Stefano Guicciardi, Institute of Marine Science, CNR
Ian Michael Hedgecock, CNR
Alessandra Sabina Lanotte, Institute for Atmospheric Sciences and Climate, CNR
Enrico Leoni, University of Bologna
Paola Letardi, Institute of Marine Science, CNR
Vincenzo Levizzani, Institute of Atmospheric Sciences and Climate, CNR
Giorgio Lulli, Institute of Microelectronics and Microsystems, CNR
Michela Maione, University of Urbino
Michael Marani, Institute of Marine Science, CNR
Fabio Marzaioli, Second University of Naples
Nicola Masetti, INAF/IASF, Bologna
Giorgio Matteucci, CNR
Virna L. Meccia, Institute of Marine Sciences, CNR
Andrea Merlone, INRiM
Mario Marcello Miglietta, Institute for Atmospheric Sciences and Climate
Stefano Minerbi, Forest Services of South Tyrol
Paolo Montagna, Institute of Marine Science, CNR
Maria Luisa Moriconi, Institute for Atmospheric Sciences and Climate
Luca Mortarini, Institute for Atmospheric Sciences and Climate, CNR
Roberto Orosei, Istituto Nazionale di Astrofisica
Stefano Ottani, CNR
Andrea Pellegrini, Institute for Atmospheric Sciences and Climate, CNR
Stefano Pierini, University of Naples Parthenope
Anna Pirani, International Centre for Theoretical Physics
Andrea Pitacco, University of Padua
Alina Polonia, Institute of Marine Science, CNR
Antonello Provenzale, Institute of Geosciences and Earth Resources, CNR
Fabio Raicich, Institute for Marine Sciences, CNR
Vincenzo Ricca, CNR
Mauro Rubino, Second University of Naples
Simone Sabbatini, University of Tuscia
Francesca Sanna, INRiM
Riccardo Santaguida, CISAM
Katrin Schroeder, Institute of Marine Science, CNR
Roberta Sciascia, Institute of Marine Science, CNR
Francesca Silvestrelli, Università del Salento
Stefania Sparnocchia, Institute of Marine Science, CNR
Giulia Stefanelli, Paul Scherrer Institute
Andrea Storto, CMCC
Filippo Terrasi, Second University of Naples
Enrico Tomelleri, EURAC
Silvia Trini Castelli, Institute of Atmospheric Sciences and Climate, CNR
Georg Umgiesser, Institute of Marine Science, CNR
Rita Van Dingenen, European Commission, Joint Research Centre
Jgor Arduini, Università degli Studi di Urbino
Angelo Pietro Viola, CNR
Jost von Hardenberg, Institute of Atmospheric Sciences and Climate, CNR

Japan

Ayako Abe-Ouchi, AORI, University of Tokyo

Ken Ando, Japan Agency for Marine-Earth Science and Technology
Stephen Andrews, National Institute for Environmental Studies
Osamu Arakawa, University of Tsukuba
Takeshi Doi, Japan Agency for Marine-Earth Science and Technology
Eric Dupuy, National Institute for Environmental Studies
Seita Emori, National Institute for Environmental Studies
Yosuke Fujii, JMA/MRI
Yasushi Fukamachi, Hokkaido University
Ralf Greve, Hokkaido University
Sumiko Harasawa, National Institute for Environmental Studies
Michiya Hayashi, University of Tokyo
Kazuhiro Hayashi, National Institute for Environmental Studies
Katsu Hiro, National Institute for Environmental Studies
Makio Honda, Japan Agency for Marine-Earth Science and Technology
Takanori Horii, Japan Agency for Marine-Earth Science and Technology
Makoto Hoshino, WWF Japan
Satoshi Iizuka, Japan Agency for Marine-Earth Science and Technology
Kazuhiro Ichii, Japan Agency for Marine-Earth Science and Technology
Hiroshi Ichikawa, Japan Agency for Marine-Earth Science and Technology
Motoyoshi Ikeda, Hokkaido University and Japan Agency for Marine-Earth Science and Technology
Shiro Imawaki, Japan Agency for Marine-Earth Science and Technology
Satoshi Irei, University of the Ryukyus
Tomonori Isada, Hokkaido University
Akio Ishida, Tokoha University
Masao Ishii, Meteorological Research Institute
Joji Ishizaka, Nagoya University
Yoshiyuki Kajikawa, RIKEN Advanced Institute for Computational Science
Masafumi Kamachi, Meteorological Research Institute
Hiroshi Kanzawa, Nagoya University
Shigeru Kariya, Global Environmental Forum
Takahito Kataoka, AORI, The University of Tokyo
Katsuro Katsumata, RCGC, Japan Agency for Marine-Earth Science and Technology
Shinichiro Kida, Japan Agency for Marine Earth and Technology
Shoichi Kizu, Tohoku University
Chihiro Kodama, Japan Agency for Marine-Earth Science and Technology
Hiroshi Koide, Japan Meteorological Agency
Yoshiki Komuro, Japan Agency for Marine-Earth Science and Technology
Shinya Kouketsu, Japan Agency for Marine-Earth Science and Technology
Masahisa Kubota, Tokai University
Kunio Kutsuwada, Tokai University
Isao Murata, Tohoku University
Toshinobu Machida, National Institute for Environmental Studies
Atsuyoshi Manda, Nagasaki University
Yukio Masumoto, The University of Tokyo
Shoshiro Minobe, Hokkaido University
Kazuhiro Misumi, Central Research Institute of Electric Power Industry
Yushi Morioka, Japan Agency for Marine-Earth Science and Technology
Hanna Na, Hokkaido University
Takeyoshi Nagai, Tokyo University of Marine Science and Technology
Taira Nagai, The University of Tokyo
Satoshi Nakada, Kobe University Research Laboratory for Tsunami and Marine Hazards
Taro Nakai, Nagoya University
Hideaki Nakajima, National Institute for Environmental Studies
Hisashi Nakamura, The University of Tokyo
Panduka Neluwala, The University of Tokyo
Sohey Nihashi, National Institute of Technology
Jun Nishioka, Hokkaido University
Tomoo Ogura, National Institute for Environmental Studies

Tomoki Ohno, AORI, The University of Tokyo
Jun Ohtake, Japan Meteorological Agency
Eitarou Oka, The University of Tokyo
Atsushi Okazaki, The University of Tokyo
Jun Ono, Japan Agency for Marine-Earth Science and Technology
Keisuke Ono, National Institute for Agro-Environmental Sciences
Prabir Patra, Japan Agency for Marine-Earth Science and Technology
Takuya Saito, National Institute for Environmental Studies
Hideharu Sasaki, Japan Agency for Marine-Earth Science and Technology
Yoshi Sasaki, Hokkaido University
Yousuke Sato, RIKEN Advanced Institute for Computational Science
Ayyoob Sharifi, National Institute for Environmental Studies
Fumitake Shido, Meteorological Research Institute, Japan Meteorological Agency
Hideo Shiogama, National Institute for Environmental Studies
Daisuke Simizu, NIPR
Yu Someya, AORI, The University of Tokyo
Toshio Suga, Tohoku University
Shusaku Sugimoto, Tohoku University
Kiyoshi Suyehiro, Japan Agency for Marine-Earth Science and Technology
Kentaro Suzuki, Central Research Institute of Electric Power Industry
Tatsuo Suzuki, Japan Agency for Marine-Earth Science and Technology
Bunmei Taguchi, Japan Agency for Marine-Earth Science and Technology
Satoru Takahashi, National Institute of Advanced Industrial Science and Technology
Kawasaki Takao, National Institute of Polar Research
Yukari Takayabu, The University of Tokyo
Takeshi Tamura, National Institute of Polar Research
Tasuku Tanaka, Yamaguchi University
Hiroshi Tanimoto, National Institute for Environmental Studies
Hiroaki Tatebe, Japan Agency for Marine-Earth Science and Technology
Yukio Terao, National Institute for Environmental Studies
Katsuya Toyama, Meteorological Research Institute
Tomoki Tozuka, The University of Tokyo
Tomoki Ushiyama, Public Works Research Institute
Shin-ichi Uye, Hiroshima University
Masahiro Watanabe, The University of Tokyo
Zhongwang Wei, AORI, The University of Tokyo
Yohei Yamada, Japan Agency for Marine-Earth Science and Technology
Toshio Yamagata, Japan Agency for Marine-Earth Science and Technology
Takashi Yamanouchi, National Institute of Polar Research
Yoh Yamashita, Kyoto University
Sayaka Yasunaka, Japan Agency for Marine-Earth Science and Technology
Yoko Yokouchi, National Institute for Environmental Studies
Kei Yoshimura, AORI, The University of Tokyo
Hiroshi Yoshinari, Institute of Low Temperature Sciences, Hokkaido University
Jing Zhang, University of Toyama

Kenya

Todd Crane, International Livestock Research Institute
Michael J. Gatari Gichuru, University of Nairobi

Malta

Raymond Ellul, University of Malta

Mexico

Roman Alvarez, Universidad Nacional Autonoma de Mexico
Saul Alvarez-Borrego, CICESE
Christian Appendini, Universidad Nacional Autonoma de Mexico
Joao Marcos Azevedo Correia de Souza, CICESE

Darrel Baumgardner, Universidad Nacional Autonoma de Mexico (Retired)
Luis Brito-Castillo, Centro de Investigaciones Biologicas del Noroeste SC
Mario Chavez, Institute of Engineering, Universidad Nacional Autonoma de Mexico
Luis Calderon, CICESE
Caridad Cardenas, Universidad Nacional Autonoma de Mexico
Ruben Castro, Universidad Autonoma de Baja California
Tereza Cavazos, CICESE
Ruth Cerezo-Mota, Universidad Nacional Autonoma de Mexico
Guadalupe Cordero, Universidad Nacional Autonoma de Mexico
Reginaldo Durazo, University of Baja California
Francisco Delgadillo-Hinojosa, Autonomous University of Baja California
Luis Delgado, CICESE
Juan Martin Gomez-Gonzalez, Centro de Geociencias, Universidad Nacional Autonoma de Mexico
Oscar Gonzalez-Yajimovich, Autonomous University of Baja California
Marie-Noelle Guilbaud, Universidad Nacional Autonoma de Mexico
Juan Carlos Herguera, CICESE
Rafael Hernandez-Walls, Autonomous University of Baja California
Elisabeth Huber-Sannwald, Instituto Potosino de Investigacion Cientifica y Tecnologica
Miguel Angel Huerta-Diaz, Autonomous University of Baja California
Manuel Lopez-Mariscal, CICESE
Enrique Martinez, Universidad Nacional Autonoma de Mexico
Blanca Mendoza, Universidad Nacional Autonoma de Mexico
Cristina Noyola Medrano, Universidad Autonoma de San Luis Potosi
Francisco J Ocampo-Torres, CICESE
Edgar Pavia, CICESE
Paula Perez-Brunius, CICESE
Luis Pineda-Martinez, Universidad Autonoma de Zacatecas
Rosario Romero-Centeno, Universidad Nacional Autonoma de Mexico
Sergio Reyes-Coca, CICESE
Jorge Rosales-Casian, CICESE
Angel Ruiz-Angulo, Universidad Nacional Autonoma de Mexico
Julio Sheinbaum, CICESE
Jesus Soria-Ruiz, National Institute of Research for Forestry, Agricultural and Livestock
Carlos Suarez Plascencia, Universidad de Guadalajara
Miguel Tenreiro, CICESE
Cauhtemoc Turrent, CICESE
Jorge Zavala-Hidalgo, Universidad Nacional Autonoma de Mexico
Ismael Perez, Universidad Nacional Autonoma de Mexico

Nepal

Arnico Panday, ICIMOD
Lekhendra Tripathy, Post-Doc Fellow, Chinese Academy of Sciences

Netherlands

Nicole Bale, NIOZ
Reinout Boers, Royal Netherlands Meteorological Institute
Sarah Bradley, Utrecht University
Bram Bregman, Royal Netherlands Meteorological Institute
Huilin Chen, University of Groningen
Henk Dijkstra, Utrecht University
Henk Eskes, Royal Netherlands Meteorological Institute
Ruud Groenewegen, Netherland Institute for Sea Research
Rianne Giesen, IMAU, Utrecht University
Heiko Goelzer, IMAU, Utrecht University
Michiel Helsen, IMAU, Utrecht University
Sander Houweling, SRON Netherlands Institute for Space Research
Albert Klein Tank, Royal Netherlands Meteorological Institute
Bart Kruijt, Wagenigen University

Jan Lenaerts, Utrecht University
Sebastiaan Luysaert, Vrije Universiteit Amsterdam
Leo Maas, NIOZ Royal Netherlands Institute for Sea Research
Malou Maris, Utrecht University
Antoon Meesters, Vrije Universiteit Amsterdam
Chris Munday, Royal Netherlands Institute for Sea Research
Marc Naeije, TUDelft/Aerospace Engineering/Astrodynamics
Rolf Neubert, University of Groningen
Wouter Peters, Wageningen University
Thomas Rockmann, Utrecht University
Peter Siegmund, Royal Netherlands Meteorological Institute
Aimee Slangen, Utrecht University
Ad Stoffelen, Royal Netherlands Meteorological Institute
Wim Timmermans, University of Twente
Jason Williams, Royal Dutch Meteorological Institute
Bert Wouters, IMAU, Utrecht University
alison gilbert, Vrije Universiteit Amsterdam
Hans van Haren, Royal Netherlands Institute for Sea Research
Steven van Heuven, Royal Netherlands Institute for Sea Research
Leo van Kampenhout, Utrecht University
Jan van Ooijen, Royal Netherlands Institute for Sea Research
Melchior van Wessem, IMAU, Utrecht University
Willem Jan van de Berg, Utrecht University
Michiel van den Broeke, Utrecht University
Bart van den Hurk, Royal Netherlands Meteorological Institute
Carola van der Hout, Royal Netherlands Institute for Sea Research
Gerard van der Steenhoven, Royal Netherlands Meteorological Institute

New Caledonia

Jerome Aucan, IRD/LEGOS
Mar Benavides, IRD
Alexandre Peltier, New Caledonia Met Service

New Zealand

Travis Ancelet, GNS Science
Kelli Archie, Victoria University of Wellington
Narissa Bax, Institute for Marine and Antarctic Studies
Nancy Bertler, Victoria University of Wellington and GNS Science
Greg Bodeker, Bodeker Scientific
Dave Campbell, University of Waikato
Stephen Chiswell, National Institute of Water and Atmospheric Research
James Crampton, Victoria University of Wellington and GNS Science
Kim Currie, University of Otago
Warren Dickinson, Antarctic Research Centre
Bethany Fox, University of Waikato
Dave Frame, Victoria University of Wellington
Bethany Haalboom, Victoria University of Wellington
Mark Hadfield, National Institute of Water and Atmospheric Research
David Hamilton, University of Waikato
Stuart Hanchet, National Institute of Water and Atmospheric Research
John Hunt, Landcare Research New Zealand Ltd.
Rebecca Kiddle, Victoria University of Wellington
Stefanie Kremser, Bodeker Scientific
Johannes Laubach, Landcare Research New Zealand Ltd.
Cliff Law, National Institute of Water and Atmospheric Research
Sebastian Leuzinger, Auckland University of Technology
Dave Lowe, Lowenz Ltd.
Andrew Mackintosh, Victoria University of Wellington

Martin Manning, Victoria University of Wellington
Adrian McDonald, University of Canterbury
Julia Mullarney, University of Waikato
Todd Redpath, University of Otago
James Renwick, Victoria University of Wellington
Natalie Robinson, National Institute of Water and Atmospheric Research
Susanna Rutledge, University of Waikato
Dr Jim Salinger, University of Otago
Hinrich Schaefer, National Institute for Water and Atmospheric Research
Craig Stevens, University of Auckland
Phil Sutton, National Institute of Water and Atmospheric Research
Jordis Tradowsky, Bodeker Scientific
Jocelyn Turnbull, Victoria University of Wellington
Lena Weissert, University of Auckland
Albert Zondervan, GNS Science

Norway

Wenche Aas, Norwegian Institute for Air Research
Mats Bentsen, Uni Research
Laurent Bertino, Nansen Environmental and Remote Sensing Center
Marius Bratrein, Norwegian Polar Institute
Kai Christensen, Norwegian Meteorological Institute
Laura Ciasto, University of Bergen
Lana Cohen, Norwegian Polar Institute
Rick Danielson, Nansen Environmental and Remote Sensing Center
Richard Davy, Nansen Environmental and Remote Sensing Center
Teferi Demissie, Uni Climate, Bjerknes Center for Climate Research
Helge Drange, University of Bergen
Sofie Gradmann, Geological Survey of Norway
Robert M. Graham, Norwegian Polar Institute and Alfred Wegener Institute for Polar and Marine Research
Jon Ove Hagen, University of Oslo
Christoph Heinze, University of Bergen
Katrine Husum, Norwegian Polar Institute
Paal Erik Isachsen, University of Oslo
Polona Itkin, Norwegian Polar Institute
Detelina Ivanova, Nansen Environmental and Remote Sensing Center
Johnny A. Johannessen, Nansen Environmental and Remote Sensing Center
Noel Keenlyside, University of Bergen
Shunya Koseki, University of Bergen
Joseph LaCasce, University of Oslo
Siv Lauvset, University of Bergen
Marianne Lund, CICERO
Lisa Maddison, IMBER International Project Office
Amelie Meyer, Norwegian Polar Institute
Arto Miettinen, Norwegian Polar Institute
Jan Even Nilsen, Nansen Environmental and Remote Sensing Center
Irene Brox Nilsen, University of Oslo
Ulysses Ninnemann, University of Bergen
Oeyvind Nordli, Norwegian Meteorological Institute
Erik Olsen, Institute of Marine Research
Balamuralli Rajasakaren, Uni Research
Susana Reuder, University of Bergen
Anja Rosel, Norwegian Polar Institute
Lars Henrik Smedsrud, University of Bergen
Einar Svendsen, Institute of Marine Research/IMBER
Rona Thompson, Norwegian Institute for Air Research
Kjetil Torseth, NILU - Norwegian Institute for Air Research
Desiree Treichler, University of Oslo

Jenny Ullgren, Nansen Environmental and Remote Sensing Center
Kjetil Vage, University of Bergen
Timothy Williams, Nansen Environmental and Remote Sensing Center
Mareile Wolff, Norwegian Meteorological Institute
Basile de Fleurian, University of Bergen and Bjerknes centre for climate
Laura de Steur, Norwegian Polar Institute
Jerry Tjiputra, Uni Research

Pakistan

Farrukh Chishtie, Department of Space Science, Institute of Space Technology
Salman Tariq, Department of Space Science, University of the Punjab

Poland

Jaroslav Necki, AGH University of Science and Technology
Janusz Olejnik, Poznan University of Life Sciences
Kazimierz Rozanski, AGH University of Science and Technology
Miroslaw Zimnoch, AGH University of Science and Technology

Portugal

Tania Pereira, University of Algarve
Maria Clara Ventura, FFCUL/IDL Lisbon

Puerto Rico

Olga Mayol-Bracero, University of Puerto Rico - Rio Piedras

Republic of Korea

Yoo-Geun Ham, Chonnam National University
Je-Woo Hong, Yonsei University
Kyung-Ryul Kim, Gwangju Institute of Science and Technology
YoungHo Kim, Korea institute of Ocean Science and Technology
Won Tae Kwon, Korean Society of Climate Change Research
Haeyoung LEE, Korea Meteorological Administration
Myong-In Lee, UNIST
Seung-Ki Min, Pohang University of Science and Technology
Hyoung Chul Shin, Korea Polar Research Institute
Seok-Woo Son, Seoul National University
Sang-Wook Yeh, Hanyang University

Russian Federation

Irina Alekhina, Arctic and Antarctic Research Institute
Dmitry Belikov, Tomsk State University
Alexey Ekaykin, Arctic and Antarctic Research Institute
Sergey Gulev, IORAS
Vladimir Karaev, Institute of Applied Physics RAS
Vladimir Kattsov, Voeikov Main Geophysical Observatory
Andrey Kostianoy, P.P. Shirshov Institute of Oceanology
Seregey Lebedev, Geophysical Center RAS
Maria Makarova, Saint Petersburg State University
Eugene Morozov, Shirshov Institute of Oceanology, Past President IAPSO
Maria Panfilova, Institute of Applied Physics, RAS
Nikita Rokotyan, Ural Federal University
Aleksandra Skakun, Arctic and Antarctic Research Institute
Olga Solomina, Institute of Geography RAS
Alexandra Veremeeva, Russian Academy of Sciences
Arina Veres, Arctic and Antarctic Research Institute

Singapore

Adam Switzer, Earth Observatory of Singapore, Nanyang Technological University

Slovakia

Peter Kajaba, Slovak Hydrometeorological Institute

Slovenia

Zorko Vicar, Meteorological Office

South Africa

Emma Archer van Garderen, Council for Scientific and Industrial Research

Sakkt Archibald, University of the Witwatersrand

Francois Engelbrecht, Council for Scientific and Industrial Research

Christien Engelbrecht, Agricultural Research Council

Rebecca Garland, Council for Scientific and Industrial Research

Bruce Hewitson, University of Cape Town

Christopher Jack, University of Cape Town

Marion Kersale, Ma-Re Institute University of Cape Town

Christopher Lennard, University of Cape Town

Johan Malherbe, Agricultural Research Council

Azwitamisi Mudau, Council for Scientific and Industrial Research

Xolisa Ngwadla, Council for Scientific and Industrial Research

Mathieu Rouault, University of Cape Town

Mary Scholes, University of the Witwatersrand

Robert Scholes, University of the Witwatersrand

Anna Steynor, University of Cape Town

Seb Swart, CSIR & Southern Ocean Observing System (SOOS)

Spain

Enric Aguilar, Center for Climate Change, University Rovira i Virgili

Cesar Azorn-Molina, Spanish National Research Council

Manola Brunet, Centre for Climate Change, University Rovira i Virgili

Josep Calbo, Universitat de Girona

Louis-Philippe Caron, Barcelona Supercomputing Center

Francisco Doblaz-Reyes, Barcelona Supercomputing Center

Peter Domonkos, Centre for Climate Change, University Rovira i Virgili

Jose Manuel Gutierrez, University of Cantabria - National Research Council

Pablo Lorente, Puertos Del Estado

Etor E. Lucio-Eceiza, Universidad Complutense Madrid

Francisco Martinez Baena, ICM-CSIC

Francisco Navarro, Universidad Politecnica de Madrid

Ananda Pascual, IMEDEA, CSIC-UIB

Rafael Poyatos, CREAM

Marc Prohom, Meteorological Service of Catalonia

Victor Resco de Dios, University of Lleida

Alexander Robinson, Universidad Complutense de Madrid

Jordi Salat, Marine Research Institute

Spain/Belgium

Francois Massonnet, BSC and UCL

Spain/UK

Juan Antonio Anel, Universidade de Vigo & University of Oxford

Sweden

Juan Camilo Acosta Navarro, Stockholm University

Johan Andersson, Uppsala University

Leonard Barrie, Bolin Centre for Climate Research

Tobias Biermann, Lunds Universitet
Goeran Bjoerk, University of Gothenburg
Laurent Brodeau, Stockholm University
Sara Broome, Stockholm University
Kristofer Doos, Stockholm University
Bo Galle, Chalmers University of Technology
Marc Geibel, Stockholm University
Evan Gowan, Stockholm University/Australian National University
Margareta Hellstrom, Lund University
Geert Hensgens, Lund University
Robert Holden, Swedish Polar Research
Robinson Hordoir, Swedish Meteorological and Hydrological Institute
David Hutchinson, Stockholm University
Georg Jocher, Swedish University of Agricultural Sciences
Maj-Lena Linderson, Lund University, Dept. of Physical Geography and Ecosystem Sciences
Anders Lindroth, Lund University
Mathias Milz, Lulea university of technology
Matthias Mohr, Uppsala University
Anne Birgitte Nielsen, Lund University
Johan Nilsson, Stockholm University
Jonas Nycander, Stockholm University
Rachelle Olsson, Lund university
Glenn Persson, Chalmers University of Technology
Ilona Riipinen, Stockholm University
Micael Runnstrom, Lund University
Matt Salter, Uppsala University
Marko Scholze, Lund University
Alex Vermeulen, Lund University
Renate Wilcke, Swedish Meteorological and Hydrological Institute
Paul Zieger, Stockholm University

Switzerland

Timothy Alexander, Swiss Federal Institute for Aquatic Science and Technology
Simon Allen, University of Zurich
Renate Auchmann, University of Bern
Daniel Baggenstos, University of Bern
Jonas Bhend, MeteoSwiss
Roberta Boscolo, WMO
Nina Buchmann, ETH Zurich
David Byrne, ETH Zurich
David Carlson, World Climate Research Programme
Gregory de Souza, ETH Zurich
Christian Feigenwinter, University of Basel
Andreas Fischer, MeteoSwiss
Erich Fischer, ETH Zurich
Jorg Franke, University of Bern
Thomas Froelicher, ETH Zurich
Kathrin Fuchs, ETH Zurich
Martin Grosjean, University of Bern
Nicolas Gruber, ETH Zurich
Stefanie Gubler, MeteoSwiss
Ivan Hernandez Almeida, Oeschger Centre for Climate Change Research
Alexander Haumann, ETH Zurich
Katherine Hill, Member of the American Geophysical Union
Annette Hirsch, ETH Zurich
Christopher Hoyle, Paul Scherrer Institute
Francesco Isotta, MeteoSwiss
Samuel Jaccard, University of Bern

Theo M. Jenk, Paul Scherrer Institut
Tim Kalvelage, ETH Zurich
Jorg Klausen, MeteoSwiss
Reto Knutti, ETH Zurich
Sven Kotlarski, MeteoSwiss
Peter Landschutzer, ETH Zurich
Markus Leuenberger, University of Bern
Mark Liniger, MeteoSwiss
Olivia Martius, University of Bern
Lutz Merbold, ETH Zurich
Eugenie Paul-Limoges, ETH Zurich
Gian-Kasper Plattner, Swiss Federal Research Institute WSL
Stefan Reimann, EMPA
Vanessa Round, ETH Zurich
Julia Schmale, Paul Scherrer Institute
Rolf TW Siegwolf, Paul Scherrer Institute
Michael Sigel, University Bern
Gilles Sommeria, WMO
Christoph Spirig, MeteoSwiss
Tanja Stanelle, ETH Zurich
Martin Steinbacher, EMPA
Thomas Stocker, University of Bern
Chantal Swan, ETH Zurich
Oksana Tarasova, WMO
Fiona Tummon, ETH Zurich
Elisabeth Viktor, Swiss Re
Sebastian Wolf, ETH Zurich
Christoph Zellweger, EMPA

Taiwan

Ming-Kuang Hsu, Taipei Chengshih University
Amzad Laskar, Research Center for Environmental Changes, Academia Sinica, Taipei

Thailand

Michael Barbetti, Naresuan University (retired)
Ronald Macatangay, National Astronomical Research Institute of Thailand

United Kingdom

George Adamson, King's College London
Lisa Al-Moosawi, Plymouth Marine Laboratory
Richard Allan, University of Reading
Myles Allen, University of Oxford
Maarten Ambaum, University of Reading
Oliver Andrews, University of East Anglia
Alexander Archibald, University of Cambridge
Claire Armstrong, University of East Anglia
Edward Armstrong, University of Bristol
Tim Arnold, Met Office Hadley Centre
Marian Azaneu, University of East Anglia
Laura Baker, University of Reading
Dorothee Bakker, University of East Anglia
Beena Balan Sarojini, University of Reading
Heiko Balzter, University of Leicester
Manuel Barange, Plymouth Marine Laboratory
Michael Barkley, University of Leicester
Andrew Barkwith, GOV
Holly Bateman, Plymouth University
Cansu Bayindirli, University of East Anglia

Claudie Beaulieu, University of Southampton
Stephen Bedford, UK Met Office
Stephen Belcher, UK Met Office
Clare Bellingham, National Oceanography Centre
Lindsay Bennett, University of Leeds
Mike Bentley, University of Durham
Raffaele Bernardello, National Oceanography Centre
Richard Betts, UK Met Office Hadley Centre and University of Exeter
Emily Black, National Centre for Atmospheric Science
Michael Blackburn, National Centre for Atmospheric Science
Adam Blaker, National Oceanography Centre
Alan Blyth, National Centre for Atmospheric Science
Hartmut Boesch, University of Leicester
Emma Boland, British Antarctic Survey
Massimo Bollasina, University of Edinburgh
Tyler Bourke, Square Kilometre Array Observatory
Adrian Bowman, The University of Glasgow
Simon Boxall, University of Southampton
Roger J. Braithwaite, University of Manchester
Alexander Brearley, British Antarctic Survey
Alice Brewer, University of East Anglia
Bob Brewin, Plymouth Marine Laboratory
Lucy Brichenno, National Oceanography Centre
Chris Brierley, University College London
Vivien Bright, UK Met Office
Jennifer Brooke, UK Met Office
Peter Brown, National Oceanography Centre
Jo Browse, University of Leeds
Justin Buck, National Oceanography Centre
Christian E Buckingham, University of Southampton
Laura Burgin, UK Met Office
Michelle Cain, University of Cambridge
Lucy Carpenter, University of York
Maria Carvalho, UK Met Office
Robin Chadwick, UK Met Office Hadley Centre
Rosie Chance, University of York
Richard Chandler, University College London
Martyn Chipperfield, University of Leeds
Andrea Chlebikova, University of Cambridge
Stefano Ciavatta, Plymouth Marine Laboratory
Paolo Cipollini, National Oceanography Centre
Sian Clarke, University of Bristol
Mat Collins, University of Exeter
Gary Corlett, University of Leicester
Colin Cotter, Imperial College London
Timothy Cowan, University of Edinburgh
Peter Cox, University of Exeter
Mhairi Coyle, Centre for Ecology & Hydrology
Stuart Cunningham, Scottish Association of Marine Science
Arnaud Czaja, Imperial College
Helen Czerski, University College London
Helen Dacre, University of Reading
Eric Danioux, University of Edinburgh
Roger Davies, Cardiff University
Rhiannon Davies, University of East Anglia
Clare Davis, University of Liverpool
Bas de Boer, University of Leeds
Stephen de Mora, Plymouth Marine Laboratory

Stacey DeAmicis, Plymouth University
Ros Death, University of Bristol
Marianna Demetriou, University College London
Marie-Estelle Demory, National Centre for Atmospheric Science
Marine Desmons, University of Reading
Benjamin Devenish, UK Met Office
Edward Doddridge, University of Oxford
Matthew Donnelly, British Oceanographic Data Centre
Sybren Drijfhout, University of Southampton
Maeve Eason Hubbard, University of Oxford
Emre Esenturk, University of Cambridge
Hayley Evers-King, Plymouth Marine Laboratory
Jean-Francois Exbrayat, University of Edinburgh
Christopher Fairless, University of Manchester
Alexander Farnsworth, University of Bristol
Aidan Farrow, University of Hertfordshire
Xiangbo Feng, University of Reading
David Ferreira, University of Reading
Michal Filus, Cambridge University
Douglas Finch, University of Edinburgh
Helen Findlay, Plymouth Marine Laboratory
Declan Finney, University of Edinburgh
Yvonne Firing, National Oceanography Centre
Michael Flynn, University of Manchester
Alex Forryan, University of Southampton
Piers Forster, University of Leeds
Rodney Forster, University of Hull
Hayley Fowler, Newcastle University
Eleanor Frajka-Williams, University of Southampton
Wiebke Frey, University of Manchester
Patricia Frickers, Plymouth Marine Laboratory (retired)
Pierre Friedlingstein, University of Exeter
Rachel Furner, UK Met Office
Catriona Fyffe, University of Worcester
Martin Gallagher, University of Manchester
Anita Ganesan, University of Bristol
E. Elena Garcia-Martin, University of East Anglia
Chiara Giorio, University of Cambridge
Clare Goodess, University of East Anglia
John Gould, National Oceanography Centre
Michael Grant, Plymouth Marine Laboratory
Heather Graven, Imperial College London
Lesley Gray, Oxford University
Jonathan Gregory, University of Reading
Sue Grimmond, University of Reading
Roger Grimshaw, University College London
Karen Guihou, National Oceanography Centre
Liang Guo, University of Reading
Sina Hackenberg, University of York
Ivan Haigh, University of Southampton
Keith Haines, University of Reading
Rob Hall, University of East Anglia
Douglas Hamilton, University of Leeds
John Harries, Imperial College
Neil Harris, University of Cambridge
Chris Harris, UK Met Office
Andy Hartley, UK Met Office Hadley Centre
Ben Harvey, University of Reading

Ed Hawkins, University of Reading
Peter Haynes, University of Cambridge
Dwayne Heard, University of Leeds
Sophie Hebden, University of Leicester
Gabriele Hegerl, University of Edinburgh
Michaela Hegglin, University of Reading
Michael Hemming, University of East Anglia
Stephanie Henson, National Oceanography Centre
Helene Hewitt, UK Met Office Hadley Centre
Karen Heywood, University of East Anglia
Andrew Hind, University of East Anglia
Ruth Hindshaw, University of St. Andrews
Joel Hirschi, National Oceanography Centre
Peter Hitchcock, University of Cambridge
Dan Hodson, NCAS-Climate, University of Reading
Gerrit Holl, University of Reading
Penny Holliday, National Oceanography Centre
Lloyd Hollis, University of Leicester
Chris Holloway, University of Reading
Scott Hosking, British Antarctic Survey
Brian Hoskins, Imperial College London and University of Reading
Loic Houpert, Scottish Association For Marine Science
Joanna House, University of Bristol
Graham Hughes, Imperial College London
Chris Hughes, University of Liverpool and National Oceanography Centre
Herbert Huppert, University of Cambridge
Pat Hyder, UK Met Office
Tim Jickells, University of East Anglia
Viju John, UK Met Office
Martin Johnson, University of East Anglia
Helen Johnson, University of Oxford
Roderic Jones, University of Cambridge
Anthony Jones, University of Exeter
Terry Jones, University of Cambridge
Colin Jones, National Centre for Atmospheric Research and UK Met. Office
Gareth Jones, UK Met Office Hadley Centre
Dan Jones, British Antarctic Survey
Anna Jones, British Antarctic Survey
Manoj Joshi, University of East Anglia
Martin Juckes, STFC
Jorg Kaduk, University of Leicester
Jan Kaiser, University of East Anglia
Markus Kalberer, University of Cambridge
Krista Kemppinen, University of Cambridge
Elizabeth Kent, National Oceanography Centre
Brian King, National Oceanography Centre
Amy King, British Antarctic Survey
Amelie Kirchgassner, British Antarctic Survey
Joakim Kjellsson, British Antarctic Survey
Nicholas Klingaman, NCAS-Climate, University of Reading
Natascha Kljun, Swansea University
Marcus Koehler, University of Cambridge
Simone Kotthaus, University of Reading
Peter Land, Plymouth Marine Laboratory
Julien Landel, University of Cambridge
Johannes Laube, University of East Anglia
Corinne Le Quere, Tyndall Centre University of East Anglia
Geoff Lee, University of East Anglia

Tim Legg, UK Met Office
Oliver Legge, University of East Anglia
Adriano Lemos, University of Leeds
Stephan Lewandowsky, University of Bristol
Ben Loveday, Plymouth Marine Laboratory
Douglas Lowe, University of Manchester
Sambuddha Misra, University of Cambridge
Ian Macadam, Met Office
David Macdonald, British Geological Survey
Erik Mackie, University of Bristol
Claire Mahaffey, University of Liverpool
Penelope Maher, University of Exeter
Gill Malin, University of East Anglia
Helen Mallett, University of East Anglia
Graham Mann, University of Leeds
Andrew Manning, University of East Anglia
Robert Marsh, University of Southampton
Gareth Marshall, British Antarctic Survey
David Marshall, University of Oxford
John Marsham, University of Leeds
Matthew Martin, UK Met Office
Oscar Martinez-Alvarado, National Centre for Atmospheric Science - Atmospheric Physics
Mark Maslin, University College London
Shannon Mason, University of Reading
Adrian Matthews, University of East Anglia
Stephan Matthiesen, University of Edinburgh
Elaine Mawbey, University of Bristol
Amanda Maycock, University of Leeds
Michael McCarthy, University of Cambridge
Niall McConnell, UK Met Office
Michelle McCrystall, University of Cambridge
Elaine McDonagh, National Oceanography Centre
Michael McIntyre, University of Cambridge
Christine McKenna, British Antarctic Survey
Doug McNeill, UK Met Office Hadley Centre
Abigail McQuatters-Gollop, Plymouth university
Carol McSweeney, UK Met Office Hadley Centre
Mohammed Mead, University of Manchester
Andrew Meijers, British Antarctic Survey
Jamie Minaeian, University of York
Alison Ming, University of Cambridge
Jonathan Mittaz, University of Reading
Ben Moat, National Oceanography Centre
Iris Moeller, University of Cambridge
Afiq Mohd Fahmi, Heriot Watt University
John Moncrieff, University of Edinburgh
Paul Monks, University of Leicester
Alberto Naveira Garabato, University of Southampton
Keith Nicholls, British Antarctic Survey
Paul Northrop, University College London
George Nurser, National Oceanography Centre
Simon O'Doherty, University of Bristol
Clare O'Neill, UK Met Office
Kevin Oliver, University of Southampton
Scott Osprey, NCAS, University of Oxford
Clare Ostle, University of East Anglia
Friederike Otto, University of Oxford
Mathew Owens, University of Reading

Tamzin Palmer, UK Met Office
Matthew Palmer, UK Met Office Hadley Centre
Paul Palmer, University of Edinburgh
Tim Palmer, University of Oxford
Steven Palmer, University of Exeter
Rich Pancost, University of Bristol Cabot Institute
Robert Parker, University of Leicester
Mark Parrington, European Centre for Medium-range Weather Forecasts
Tony Payne, University of Bristol
Simon Peatman, University of Reading
Stuart Penkett, University of East Anglia
Christine Pequignet, UK Met Office
Bianca Perren, British Antarctic Survey
Penelope Pickers, University of East Anglia
Raymond Pierrehumbert, University of Oxford
Michael Pilling, University of Leeds
Paola Pisa, The Wellcome Trust Sanger Institute
Joseph Pitt, University of Manchester
Inna Polichtchouk, University of Reading
Debbie Polson, University of Edinburgh
James Pope, British Antarctic Survey
Claire Powell, CEFAS
David Pritchard, University of Strathclyde
Hamish Pritchard, British Antarctic Survey
John Pyle, University of Cambridge
Tristan Quaife, University of Reading
Graham Quartly, Plymouth Marine Laboratory
Ana Queiros, Plymouth Marine Laboratory
Dionysios Raitsos, Plymouth Marine Laboratory
Peter Read, University of Oxford
Claire Reeves, University of East Anglia
Andrew Rickard, University of York
Lesley Rickards, National Oceanography Centre
Hugo Ricketts, National Centre for Atmospheric Science
Matt Rigby, University of Bristol
Tom Rippeth, Bangor University
Chris Roberts, UK Met Office Hadley Centre
Ian Robinson, University of Southampton
Jon Robson, University of Reading
Ruben Rodriguez De Leon, Manchester Metropolitan University
Rafael Rosolem, University of Bristol
Samantha Royston, British Antarctic Survey
David Rundle, UK Met Office
Kate Salmon, UK Met Office
Andrew Sandford, Campbell Scientific Limited
Irina Sandu, ECMWF
Mark Saunders, University College London
Daniel Say, University of Bristol
Reinhard Schiemann, University of Reading
Franziska Schrodtt, University of Brighton
David Schultz, University of Manchester
Andrew Schurer, University of Edinburgh
Vivian Scott, University of Edinburgh
Alistair Sellar, UK Met Office Hadley Centre
Denis Sergeev, University of East Anglia
Len Shaffrey, University of Reading
Sarah Shannon, University of Bristol
Katy Sheen, UK Met Office Hadley Centre

Igor Shevchenko, Imperial College London
Emily Shuckburgh, British Antarctic Survey
John Siddorn, UK Met Office
Martin Siegert, Imperial College London
Joy Singarayer, University of Reading
Julia Slingo, UK Met Office
Robin Smith, University of Reading
Thomas Smith, King's College London
Andrew Sole, University of Sheffield
Hannah Sonderfeld, University of Leicester
Alejandro Souza, National Oceanography Centre
Carl Spingys, University of Liverpool
Meric Srokosz, National Oceanography Centre
Kieran Stanley, University of Bristol
Sarah Steimer, University of Cambridge
David Stevens, University of East Anglia
David Stevenson, University of Edinburgh
Philip Stier, University of Oxford
Peter Stott, UK Met Office Hadley Centre
William Sturges, University of East Anglia
Aneesh Subramanian, University of Oxford
Parv Suntharalingam, University of East Anglia
Luke Surl, University of Edinburgh
Rowan Sutton, University of Reading
Adam Sykulski, University College London
Alessandro Tagliabue, University of Liverpool
Remi Tailleux, University of Reading
Ben Taylor, Plymouth Marine Laboratory
Nicola Telcik, Transport for London
Simon Tett, University of Edinburgh
Max Thomas, University of East Anglia
Martyn Tranter, University of Bristol
Robyn Tuerena, University of Liverpool
Carol Turley, Plymouth Marine Laboratory
Jonathan Turton, UK Met Office
Eithne Tynan, Nature Climate Change
Sabine Undorf, University of Edinburgh
Maria Val Martin, University of Sheffield
Paul Valdes, University of Bristol
Maria Valdivieso, University of Reading
Tina van de Flierdt, Imperial College London
Erik van Sebille, Imperial College London
Alan Vance, UK Met Office
Anne Verhoef, University of Reading
Pier Luigi Vidale, University of Reading
Rebecca Vignols, Cambridge University
Claudia Vitolo, Brunel University London
Thomas Wahl, University of Southampton
Peter Walton, University of Oxford
Helen Ward, University of Reading
Rachel Warren, UK Met Office Hadley Centre
Jennie Waters, UK Met Office
Mark Webb, UK Met Office Hadley Centre
Clare Webster, Northumbria University
Antje Weisheimer, University of Oxford
Neil Wells, University of Southampton
James While, UK Met Office
James Whitehead, University of Manchester

Juliane Wihsgott, University of Liverpool
Laura Wilcox, University of Reading
Kate Willett, UK Met Office Hadley Centre
Ric Williams, University of Liverpool
Charlotte Williams, National Oceanography Center Scientist
Maria Williams, British Antarctic Survey
Mathew Williams, University of Edinburgh
Joanne Williams, National Oceanography Centre
Phillip Williamson, University of East Anglia
Kirsten Wilmer-Becker, UK Met Office
Chris Wilson, National Oceanography Centre
Charlie Wilson, University of East Anglia
Alice Wilson McNeal, Plymouth Marine Laboratory
Eric Wolff, University of Cambridge
Nigel Wood, UK Met Office
Malcolm Woodward, Plymouth Marine Laboratory
Philip Woodworth, National Oceanography Centre (Visiting Scientist)
Tim Woollings, University of Oxford
Steven Woolnough, University of Reading
Gui-Ying Yang, University of Reading
Xin Yang, British Antarctic Survey
Emma Young, British Antarctic Survey
Jan Zika, Imperial College London

United States of America

Waleed Abdalati, CIRES, University of Colorado Boulder
Ryan Abernathy, Lamont Doherty Earth Observatory
Thomas Ackerman, University of Washington
Stephen Ackley, Univ of Texas San Antonio
Henry Adams, Oklahoma State University
Alistair Adcroft, Princeton University
Amir AghaKouchak, University of California, Irvine
Frank Aikman, NOAA, National Ocean Service
Kiran Alapaty, US EPA
Caroline Alden, University of Colorado Boulder
M. Joan Alexander, NorthWest Research Associates
Matthew Alford, Scripps Institution of Oceanography, University of California San Diego
Simone Alin, University of Washington
Matthew Alkire, University of Washington
John Allen, IRI, Columbia University
Katherine Allen, University of Maine
Dillon Amaya, Scripps Institution of Oceanography
Dan Amrhein, Massachusetts Institute of Technology / Woods Hole Oceanographic Institution
Meinrat Andreae, Scripps Institution of Oceanography, University of California San Diego
Arlyn Andrews, US National Oceanic and Atmospheric Administration
Hernan G Arango, Rutgers University
Brian Arbic, University of Michigan
Avelino Arellano, University of Arizona
Kyle Armour, University of Washington
William Armstrong, University of Colorado at Boulder
Kevin Arrigo, Stanford University
Kirsti Ashworth, University of Michigan
Larry Atkinson, Old Dominion University
Marie-Pierre Aubry, Rutgers University
Melody Avery, NASA
Armando Azua-Bustos, Blue Marble Space Institute of Science
Dominique Bachelet, Conservation Biology Institute
David Bailey, National Center for Atmospheric Research

Dennis Baldocchi, University of California Berkeley
Dhruv Balwada, Florida State University
Antara Banerjee, Columbia University
Katherine Barbeau, Scripps Institution of Oceanography, University of California San Diego
Molly Baringer, University of Miami
Mathew Barlow, University of Massachusetts Lowell
Mary Barth, National Centre for Atmospheric Research
Susan Bates, National Center for Atmospheric Research
Tim Bates, University of Washington
John Battles, University of California at Berkeley
Nicholas Beaird, Woods Hole Oceanographic Institution
Lisa Beal, University of Miami
Alisa Beaubien, Scripps Institution of Oceanography, University of California San Diego
Janet Becker, University of Hawaii at Manoa
Karen Bemis, Rutgers University
Noah Ben-Aderet, Scripps Institution of Oceanography, University of California San Diego
Heather Benway, Woods Hole Oceanographic Institution
Nicholas Beres, Desert Research Institute
Jonathan Berger, Scripps Institution of Oceanography, University of California San Diego
Kim Bernard, Oregon State University
Germar Bernhard, Biospherical Instruments Inc.
Joseph Berry, Carnegie Institution for Science
Uma Bhatt, University of Alaska Fairbanks
Joseph Biello, University of California Davis
Frederick Bingham, University of North Carolina Wilmington
Taryn Black, Georgia Institute of Technology
Jean-Francois Blavier, Jet Propulsion Laboratory
Theodore Bohn, Arizona State University
Alan Bol, University Corp for Atmospheric Research
Gary Bolton, University of Wyoming
William Bone, University of California San Diego
Celine Bonfils, Lawrence Livermore National Laboratory
Kat Bormann, Jet Propulsion Laboratory/California Institute of Technology
Adrian Borsa, Scripps Institution of Oceanography, University of California San Diego
Jeff Bowman, Lamont-Doherty Earth Observatory
Kevin Bowman, California Institute of Technology
Annalisa Bracco, Georgia Institute of Technology
Jennifer Brandon, University of California San Diego
Philip Bresnahan, SFEI
Genevieve Brett, Massachusetts Institute of Technology-Woods Hole Oceanographic Institution
Ellen Briggs, Scripps Institution of Oceanography, University of California San Diego
Jerome Brioude, University of Colorado
Eoin Brodie, Lawrence Berkeley National Laboratory
Mary Jo Brodzik, University of Colorado
Yana Bromberg, Rutgers University
Peter Bromirski, Scripps Institution of Oceanography, University of California San Diego
Gordon Bromley, University of Maine
David Bromwich, Ohio State University
Edward Brook, Oregon State University
Shannon Brown, Jet Propulsion Laboratory
Michael Brown, University of Miami
Eleanor Browne, University of Colorado Boulder
Kristen Buck, University of South Florida
Christo Buizert, Oregon State University
John Bullister, University of Washington
George Burba, University of Nebraska
Sean Burns, National Center for Atmospheric Research
Antonio Busalacchi, University of Maryland

Mitch Bushuk, Princeton University
Amy Butler, University of Colorado/CIRES
Martha Butler, Penn State Meteorology
Jarrett Byrnes, University of Massachusetts Boston
Sasha Carter, Scripps Institution of Oceanography, University of California San Diego
Beth Caissie, Iowa State University
Todd Caldwell, University of Texas at Austin
Adrian Callaghan, Scripps Institution of Oceanography, University of California San Diego
Jana Canary, University of Alaska Fairbanks
Mark Cane, Columbia University
Mattias Cape, Woods Hole Oceanographic Institution
Magdalena Carranza, Scripps Institution of Oceanography, University of California San Diego
Jessica Carriere-Garwood, Scripps Institution of Oceanography, University of California San Diego
Brendan Carter, University of Washington
Jose Carvajal, Scripps Institution of Oceanography, University of California San Diego
Federico Castillo, University of California, Berkeley
Frederic Castruccio, National Centre for Atmospheric Research
Jeremy Caves, Stanford University
Corina Ceapa, University of Chicago
Paola Cessi, University of California San Diego
Leon Chafik, NOAA
Don Chambers, University of South Florida
Christopher Chan Miller, Harvard University
Piers Chapman, Texas A&M University
Donna Charlevoix, UNAVCO Inc.
Eric Chassignet, Florida State University
Abhishek Chatterjee, USRA/NASA Goddard Space Flight Center
Mohar Chattopadhyay, NASA
Louise Chavarie, Michigan State University
Dudley Chelton, Oregon State University,
Ru Chen, Scripps Institution of Oceanography, University of California San Diego
Teresa Chereskin, Scripps Institution of Oceanography, University of California San Diego
Yoshimitsu Chikamoto, IPRC, University of Hawaii
Mian Chin, NASA Goddard Space Flight Center
Brent Claassen, University of Nebraska
Maria Paola Clarizia, University of Michigan
Peter Clark, CEOAS, Oregon State University
Jorie Clark, CEOAS, Oregon State University
Allan Clarke, Florida State University
Carol Anne Clayson, Woods Hole Oceanographic Institution
Sophie Clayton, University of Washington
Rachel Clemesha, Scripps Institution of Oceanography, University of California San Diego
Kim Cobb, Georgia Institute of Technology
Judah Cohen, AER
Julia Cole, University of Arizona
William Collins, Lawrence Berkeley Lab & University of California at Berkeley
Julia Collins, University of Colorado
Scott Collis, Argonne National Laboratory
Roisin Commane, Harvard University
Gilbert Compo, CIRES, University of Colorado
Jessica Conroy, University of Illinois Urbana-Champaign
Owen Cooper, University of Colorado
Bryce Corlett, Woods Hole Oceanographic Institution
Matthew Costa, Scripps Institution of Oceanography, University of California San Diego
Robert Crane, Penn State University
Megan Creutzburg, Institute for Natural Resources
Timothy Creyts, Lamont-Doherty Earth Observatory of Columbia University
Meghan Cronin, University of Washington

Andrew Crotwell, University of Colorado
Beata Csatho, University at Buffalo
Heidi Cullen, Climate Central
Enrique Curchitser, Rutgers University
Beth Curry, University of Washington
Ivana Cvijanovic, Lawrence Livermore National Laboratory
Predrag Cvitanovic, Georgia Institute of Technology
Tyler Cyronak, Scripps Institution of Oceanography, University of California San Diego
Ian Dadour, Boston University
Anders Damsgaard, Scripps Institution of Oceanography, University of California San Diego
Gokhan Danabasoglu, National Center for Atmospheric Research
Nicole Davi, Lamont-Doherty & William Paterson University
Eric Davidson, University of Maryland Center for Environmental Science
Kenneth Davis, The Pennsylvania State University
Archana Dayalu, Harvard University
Paul Dayton, Scripps Institution of Oceanography, University of California San Diego
Femke de Jong, Duke University
Simon de Szoeke, Oregon State University
Michael DeFlorio, NASA JPL/CalTech
Langley DeWitt, Massachusetts Institute of Technology
Vincent Debaene, Columbia University
Andrew Delman, Scripps Institution of Oceanography
Thomas Delworth, Princeton University
Delphine Deryng, University of Chicago
Ankur Desai, University of Wisconsin-Madison
Andrew Dessler, Texas A&M University
William Dewar, Florida State University
Paul DiGiacomo, National Oceanic and Atmospheric Administration
Robert Dickinson, University of Texas Austin
Suzanne Dickinson, Applied Physics Lab, Polar Science Center, University of Washington, Seattle
Stephen Diggs, Scripps Institution of Oceanography/University of California San Diego
Rebecca Dillon, Ohio State University
Qinghua Ding, University of Washington
Daniel Dixon, University of Maine
Kathleen Dohan, Earth and Space Research
Sarah Doherty, University of Washington
Shenfu Dong, University of Miami
Adrian Doran, Scripps Institution of Oceanography, University of California San Diego
LeRoy Dorman, Scripps Institute of Oceanography, University of California, San Diego
Elizabeth Douglass, Naval Research Laboratory
Charles Doutriaux, Lawrence Livermore National Laboratory
Clara Draper, NASA Global Modeling and Assimilation Office
Kyla Drushka, University of Washington
Kai Duan, North Carolina State University
Manvendra Dubey, Los Alamos National Laboratory
Ruth Duerr, Ronin Institute for Independent Scholarship
Carolina Dufour, Princeton University
Robert Dunbar, Stanford University
Etienne Dunn-Sigouin, Columbia University
Paul Durack, Lawrence Livermore National Laboratory
Julia Durack, University of California San Francisco
Theodore Durland, Oregon State University
Raphael Dussin, Rutgers University
Pierre Dutrieux, University of Washington
Andrea Dutton, University of Florida
Michael Dyonisius, University of Rochester
William Easterling, Penn State University
Yassir Eddebbbar, Scripps Institution of Oceanography, University of California San Diego

David Edwards, National Center for Atmospheric Research
Stanley Edwin, University of Alaska Fairbanks
Hajo Eicken, International Arctic Research Center, University of Alaska Fairbanks
Shane Elipot, University of Miami
Edwin Eloranta, University of Wisconsin
Guy Emanuele, Scripps Institution of Oceanography, University of California San Diego
William (Bill) Emery, University of Colorado at Boulder
Louisa Emmons, National Center for Atmospheric Research
Markus Enenkel, Columbia University
Dave Ensberg, Scripps Institution of Oceanography, University of California San Diego
Charles Eriksen, University of Washington
Erica Escajeda, University of Washington
Sebastian Essink, Massachusetts Institute of Technology
Eugenie Euskirchen, Institute of Arctic Biology, University of Alaska Fairbanks
Jenni Evans, Pennsylvania State University
Katherine Evans, Oak Ridge National Laboratory
Stuart Evans, Princeton University
Elaine Fang, Stanford University
Troy Farmer, Auburn University
Tom Farrar, Woods Hole Oceanographic Institution
John Fasullo, National Centre for Atmospheric Research
Sha Feng, Penn State University
Ian Fenty, NASA JPL/Caltech
Florence Fetterer, University of Colorado
Barbara Finlayson-Pitts, University of California Irvine
Arlene Fiore, Columbia University
Eric Firing, University of Hawaii
Marc Fischer, Lawrence Berkeley National Laboratory
Rosie Fisher, National Center for Atmospheric Research
Kristin Fitzmorris, Scripps Institution of Oceanography
Pierre Flament, University of Hawaii
Laura Fleming, Massachusetts Institute of Technology
Mar Flexas, California Institute of Technology
Reinhard Flick, Scripps Institution of Oceanography, University of California San Diego
Ryan Fogt, Ohio University
Chris Forest, Pennsylvania State University
Louise Fortmann, University of California at Berkeley
Baylor Fox-Kemper, Brown University
Jennifer Francis, Rutgers University
Jonathan Franklin, Harvard University
Allan Frei, Hunter College, City University of New York
Beverly French, Scripps Institution of Oceanography, University of California San Diego
Mariel Friberg, Georgia Institute of Technology
Helen Fricker, Scripps Institution of Oceanography, University of California San Diego
Dargan Frierson, University of Washington
Steve Frolking, University of New Hampshire
Joshua Xiouhua Fu, University of Hawaii
Heidi Fuchs, Rutgers University
Jose D Fuentes, Eos, Editor (American Geophysical Union)
Ichiro Fukumori, Jet Propulsion Laboratory
John Galetzka, UNAVCO Inc.
Natalya Gallo, Scripps Institution of Oceanography, University of California San Diego
Aaron Galloway, University of Oregon Institute of Marine Biology
Richard Gammon, University of Washington
Rolando Garcia, National Center for Atmospheric Research
Tim Garrett, University of Utah
Florent Gasparin, Scripps Institution of Oceanography, University of California San Diego
David Gassier, Scripps Institution of Oceanography, University of California San Diego

Brian Gaudet, Penn State University
Peter R. Gent, National Center for Atmospheric Research
Pierre Gentine, Columbia University
Edwin Gerber, Courant Institute, New York University
Tobias Gerken, Montana State University
Melissa Gervais, Columbia University
Steven Ghan, Pacific Northwest National Laboratory
Donata Giglio, University of Washington
Sarah Gille, Scripps Institution of Oceanography, University of California San Diego
John Gilson, Scripps Institution of Oceanography, University of California San Diego
Isaac Ginis, University of Rhode Island
James Girton, University of Washington
Holly Given, Scripps Institution of Oceanography, University of California San Diego
Peter Gleckler, Lawrence Livermore National Laboratory
Miram Gleiber, Oregon State University
David Glover, Woods Hole Oceanographic Institution
Dara Goldberg, Scripps Institution of Oceanography, University of California San Diego
Allen Goldstein, University of California at Berkeley
Miguel Goni, Oregon State University
Paula Gonzalez, IRI, Columbia University
Ganesh Gopalakrishnan, Scripps Institution of Oceanography, University of California San Diego
Arnold Gordon, Columbia University
Julie Granger, University of Connecticut
Judith Grassle, Rutgers University
Alison Gray, Princeton University
Helen Greatrex, Columbia University
Andrew Grieshop, North Carolina State University
Stephen Griffies, Princeton University
Alison Grimsdell, NorthWest Research Associates
Sjoerd Groeskamp, Lamont Doherty Earth Observatory, Columbia University
Richard Grotjahn, University of California, Davis
Alex Guenther, University of California, Irvine
Kristen Guirguis, Scripps Institution of Oceanography, University of California San Diego
William Gutowski, Iowa State University
Alex Hall, University of California Los Angeles
Kenneth Hall, University of California, San Diego
Kai Hally-Rosendahl, Scripps Institution of Oceanography, University of California San Diego
Jessica Halofsky, University of Washington
David Halpern, Jet Propulsion Laboratory
Madeleine Hamann, Scripps Institution of Oceanography, University of California San Diego
Sean Haney, Scripps Institution of Oceanography, University of California San Diego
James Hannigan, National Center for Atmospheric Research
Dennis A. Hansell, University of Miami
Matthew Harke, Columbia University - Lamont-Doherty Earth Observatory
Andrew Harris, University of Maryland
John Harrison, Washington State University
Shawn Harrison, U.S. Geological Survey
Bryce Harrop, University of Washington
Dennis Hartmann, University of Washington
Birgit Hassler, University of Colorado at Boulder
Zeke Hausfather, University of California Berkeley
Colette Heald, Massachusetts Institute of Technology
Matthew Hecht, Los Alamos National Laboratory
Arsineh Hecobian Najjari, Colorado State University
Patrick Heimbach, The University of Texas at Austin
Christopher Hein, Virginia Institute of Marine Science
John Helly, Scripps Institution of Oceanography, San Diego Supercomputer Center
Myrl Hendershott, Scripps Institution of Oceanography

Stephen Henderson, Washington State University
George Hendrey, City University of New York
Amy Hendricks, University of Alaska Fairbanks
Albert Hermann, University of Washington, Joint Institute for the Study of the Atmosphere and Oceans
Mary Heskell, Marine Biological Laboratory, Woods Hole Oceanographic Institution
Sean Higgins, Columbia University
Jess Hillman, Ohio State University
Laura Hinkelman, University of Washington
Allison Hogikyan, University of Michigan
Shane Hogle, Scripps Institution of Oceanography, University of California San Diego
Marika Holland, National Center for Atmospheric Research
Ryan Holmes, Stanford University
James Holmes, Scripps Institution of Oceanography/University of California San Diego
Ashleigh Hood, Yale University
Raleigh Hood, University of Maryland
Roger Hooke, University of Maine
John Horel, University of Utah
Thomas Horst, National Center for Atmospheric Research
Christopher Horvat, Harvard University
Christopher House, Penn State University
Robert Howarth, Cornell University
Hristina Hristova, University of Hawaii
Lu Hu, Harvard University
Chuanmin Hu, University of South Florida
Pincelli Hull, Yale University
Elizabeth Hunke, Los Alamos National Laboratory
Dale Hurst, University of Colorado
Matthew Hurteau, University of New Mexico
Jennifer Hutchings, Oregon State University
Peter Huybers, Harvard University
Alastair Iles, Environmental Science, Policy & Management, University of California at Berkeley
Jorg Imberger, RSMAS, Univ of Miami
Laura Iraci, NASA Ames Research Center
Taka Ito, Georgia Institute of Technology
Erik Ivins, Jet Propulsion Lab, California Institute of Technology
Diane Ivy, Massachusetts Institute of Technology
Rebecca Jackson, Woods Hole Oceanographic Institution
Peter Jacobs, George Mason University
Andrew Jacobson, University of Colorado
Peter Jacques, Political Science and the Florida Climate Institute, University of Central Florida
Daniel Jaffe, University of Washington
Carol Janzen, Alaska Ocean Observing System
Nicole Jeffery, Los Alamos National Laboratory
Stephanie Jenouvrier, Woods Hole Oceanographic Institution
Olaf Jensen, Rutgers University
Jorgen Jensen, National Centre for Atmospheric Research
Fei-Fei Jin, University of Hawaii at Manoa
Bill Johns, RSMAS, University of Miami
Gregory C. Johnson, University of Washington
Matthew Johnson, NASA Ames Research Center
Shaun Johnston, Scripps Institution of Oceanography, University of California San Diego
Tuija Jokinen, University of California Irvine
C. Spencer Jones, Scripps Institution of Oceanography, University of California San Diego
Bethan Jones, Oregon State University
Holly Jones, Northern Illinois University
Alexandra Jonko, Los Alamos National Laboratory
Bror Jonsson, Princeton University
Samantha Joye, University of Georgia

Karen Junge, University of Washington
Youichi Kamae, Scripps Institution of Oceanography, University of California San Diego
Igor Kamenkovich, RSMAS, University of Miami
Alexey Kaplan, Lamont-Doherty Earth Observatory, Columbia University
Gabriel Katul, Duke University
Maria` Kavanaugh, Woods Hole Oceanographic Institution
Kelly Kearney, University of Washington, JISAO
Victoria Keener, East-West Center
Charles Kennel, Scripps Institution of Oceanography, University of California San Diego
Adam Kent, Oregon State University
Gretchen Keppel-Aleks, University of Michigan
William Kessler, University of Washington
Tanvir Khan, Michigan Technological University
Jenan Kharbush, Harvard University
Jeffrey Kiehl, National Center for Atmospheric Research
Thomas Kilpatrick, University of California, San Diego
Jooil Kim, Scripps Institution of Oceanography, University of California San Diego
Daehyun Kim, University of Washington
Hey Jin Kim, Scripps Institution of Oceanography, University of California San Diego
Doug Kinnison, National Centre for Atmospheric Research
Paul Kintner, University of Washington
Anna Klene, University of Montana
Joan Kleypas, National Center for Atmospheric Research
Katherine Knowland, Universities Space Research Association
Robert Knox, Scripps Institution of Oceanography, University of California San Diego
Adam Kochanski, University of Utah
John Kochendorfer, University of California Davis
Robert Kopp, Rutgers University
J. Anthony Koslow, Scripps Institution of Oceanography, University of California San Diego
P. Michael Kosro, Oregon State University
Tihomir Kostadinov, University of Richmond
Villy Kourafalou, University of Miami
Michelle Koutnik, University of Washington
Charles Koven, Lawrence Berkeley National Laboratory
Susan Kram, Scripps Institution of Oceanography
Sergey Kravtsov, University of Wisconsin-Milwaukee
Steven Krueger, University of Utah
Rajesh Kumar, National Centre for Atmospheric Research
Lee Kump, Penn State University
Douglas Kurtze, Saint Joseph's University
Michael Kurylo, Universities Space Research Association/GESTAR
Yochanan Kushnir, Lamont-Doherty Earth Observatory, Columbia University
Ron Kwok, Jet Propulsion Laboratory, California Institute of Technology
Young-Oh Kwon, Woods Hole Oceanographic Institution
Tristan L'Ecuyer, University of Wisconsin-Madison
Chris Laber, Rutgers University
Rick Lader, University of Alaska Fairbanks
Felix Landerer, Jet Propulsion Laboratory, California Institute of Technology
Laura Landrum, National Center for Atmospheric Research
Erik Larson, University of Colorado
Gabi Laske, Scripps Institution of Oceanography University of California San Diego
Jonathan Lauderdale, Massachusetts Institute of Technology
Lucas Laurindo, University of Miami
Kara Lavender Law, Sea Education Association
Beverly Law, Oregon State University
Isabela Le Bras, MIT-WHOI Joint Program
Samuel LeBlanc, NASA Ames Research Center
Bob Leben, University of Colorado Boulder

Craig Lee, Applied Physics Laboratory, University of Washington
Tong Lee, Jet Propulsion Laboratory, California Institute of Technology
David Lee, Los Alamos National Laboratory
Dong Eun Lee, Lamont-Doherty Earth Observatory, Columbia University
Sonya Legg, Princeton University
Johannes Lehmann, Cornell University
Flavio Lehner, National Center for Atmospheric Research
Eric Leibensperger, State University of New York at Plattsburgh
Anita Leinweber, University of California Los Angeles
Donald Lenschow, National Center for Atmospheric Research
Ricardo M Letelier, CEOAS - Oregon State University
Lisa Levin, Scripps Institute of Oceanography, University of California San Diego
Gad Levy, NorthWest Research Associates
Joanna Lewis, Georgetown University
Laifang Li, Woods Hole Oceanographic Institution
Linhai Li, University of California San Diego
Xinfeng Liang, University of South Florida
Xin-Zhong Liang, University of Maryland
Bonnie Light, Polar Science Center, University of Washington
Jonathan Lilly, NorthWest Research Associates
Lauraq Lilly, Scripps Institution of Oceanography, University of California San Diego
Guangxing Lin, Pacific Northwest National Laboratory
John Lin, University of Utah
Jakob Lindaas, Colorado State University
Keith Lindsay, National Center for Atmospheric Research
Ron Lindsay, Polar Science Center, University of Washington
John Linford, ParaTools, Inc.
Benjamin Lintner, Rutgers University
Marianna Linz, Massachusetts Institute of Technology
Jessica Liptak, University of Michigan
Chris Little, Atmospheric and Environmental Research
Marcy Litvak, University of New Mexico
W. Timothy Liu, Jet Propulsion Laboratory, California Institute of Technology
Haibo Liu, Columbia University
Xiao-Jun Allen Liu, Northern Arizona University
Zheng Liu, University of Washington
Zhengyu Liu, University of Wisconsin-Madison
Hongyu Liu, National Institute of Aerospace
Stefan Llewellyn Smith, University of California San Diego
Fiona Lo, Northwest Research Associates
Jennifer Logan, Harvard University
Brice Loose, University of Rhode Island
Laura Lorenzoni, University of South Florida
Kaitlyn Lowder, University of California, San Diego
Susan Lozier, Duke University
Dan Lubin, Scripps Institution of Oceanography, University of California San Diego
Stuart Ludsin, Ohio State University
Gan Luo, Atmospheric Science Research Center, State University of New York at Albany
Amanda Lynch, Brown University
Bradfield Lyon, University of Maine
Parker MacCready, University of Washington
Jennifer MacKinnon, Scripps Institution of Oceanography, University of California San Diego
Jennifer Macalady, Pennsylvania State University
Alison Macdonald, Woods Hole Oceanographic Institution
Sasha Madronich, National Center for Atmospheric Research
Salil Mahajan, Oak Ridge National Laboratory
Sarah Maher, Scripps Institute of Oceanography, University of California San Diego
Sharan Majumdar, University of Miami

Maria Malyk, Rutgers University
Manfredi Manizza, Scripps Institution of Oceanography, University of California San Diego
Michael Mann, Penn State University
Gloria Manney, NorthWest Research Associates
Roger Marchand, University of Washington
Tetyana Margolina, Naval Postgraduate School
Arthur J. Mariano, RSMAS, University of Miami
Irina Marinov, University of Pennsylvania
Jennifer Marlon, Yale University
Gustavo Marques, Princeton University
John Marston, Boston University
Seelye Martin, University of Washington
Ellen Martin, University of Florida
Elinor Martin, University of Oklahoma
Paige Martin, University of Michigan,
Kim Martini, University of Washington
Douglas Martinson, Columbia University
Kate Marvel, Columbia University
Samantha Mascuch, Georgia Institute of Technology
Wieslaw Maslowski, Naval Postgraduate School
Dallas Masters, University of Colorado
Ricardo Matano, Oregon State University
Guillaume Mauger, University of Washington
Nikolai Maximenko, University of Hawaii
Matthew Mazloff, Scripps Institution of Oceanography, University of California San Diego
Claudio Mazzoleni, Michigan Technical University
James McCarthy, Harvard University
Julie McClean, Scripps Institution of Oceanography, University of California San Diego
Michael McClellan, Massachusetts Institute of Technology
Daniel McCorkle, Woods Hole Oceanographic Institution
Lillian McCormick, Scripps Institution of Oceanography, University of California San Diego
Sophie McCoy, Florida State University
Daniel McCoy, University of Washington
Julian McCreary, University of Hawaii
Melanie McDermott, Sustainability Institute, The College of New Jersey
Richard McGovern, University of Washington
Galen McKinley, University of Wisconsin - Madison
Karen McKinnon, National Center for Atmospheric Research
John McManus, University of Miami
Michael McPhaden, University of Washington
Jacqueline McSweeney, Rutgers University
James McWilliams, University of California Los Angeles
Jodi Mead, Boise State University
Sabine Mecking, University of Washington
Gerald Meehl, National Centre for Atmospheric Research
Andrew Meigs, Oregon State University
Megan Melamed, IGAC, University of Colorado
Maximo Menchaca, University of Washington
Dimitris Menemenlis, Jet Propulsion Laboratory, California Institute of Technology
Viviane Menezes, Woods Hole Oceanographic Institution
Mark Merrifield, University of Hawaii
Sophia Merrifield, Woods Hole Oceanographic Institution
Anna Merrifield, Scripps Institution of Oceanography, University of California San Diego
Stefan Metzger, National Ecological Observatory Network
Art Miller, Scripps Institution of Oceanography, University of California San Diego
Melissa Miller, Scripps Institution of Oceanography, University of California San Diego
Dylan Millet, University of Minnesota
Yi Ming, Princeton University

Jean Bernard Minster, Scripps Institution of Oceanography, University of California San Diego
Gary Mitchum, University of South Florida
Paola Moffa Sanchez, Rutgers University
Russell Moll, Scripps Institution of Oceanography, University of California San Diego (retired)
Alvaro Montenegro, Ohio State University
Steve Montzka, CIRES, University of Colorado
Twila Moon, University of Oregon
Dennis Moore, University of Washington and University of Hawaii
Andrew Moore, University of California Santa Cruz
Joel Moore, Towson University
James Morison, Polar Science Center, University of Washington
Adele Morrison, Princeton University
Amy Mueller, University of Washington
Jens Muhle, University of California, San Diego
Les Muir, Yale University
Esther Mullens, South Central Climate Science Center
Stephanie Mumma, Scripps Institute of Oceanography, University of California San Diego
Walter Munk, Scripps Institution of Oceanography, University of California San Diego
Angel G Munoz, Princeton University
Hiroyuki Murakami, Princeton University
David Murphy, Sea-Bird Scientific Ltd.
Balu Nadiga, Los Alamos National Laboratory
Kusum Naithani, University of Arkansas
Raymond Najjar, Pennsylvania State University
Jennifer Nakamura, Lamont Doherty Earth Observatory, Columbia University
Noboru Nakamura, University of Chicago
Yoshihiro Nakayama, University of California Irvine
Laura Naranjo, University of Colorado Boulder
Jonathan Nash, Oregon State University
Alexander Nassikas, Woods Hole Research Center
Susan Natali, Woods Hole Research Center
Mark Nearing, University of Arizona
David Neelin, University of California Los Angeles
Peter Neff, University of Rochester
Doreen Neil, NASA
Norman Nelson, University of California, Santa Barbara
Naresh Neupane, Georgetown University
Jan Newton, University of Washington
Robert Nicholas, Pennsylvania State University
Hannah Nissan, Columbia University
Jozef Nissimov, Rutgers University
Frank Nitsche, Lamont-Doherty Earth Observatory, Columbia University
Ian Noble, World Bank (retired)
Doron Nof, Florida State University
Richard Nolthenius, Cabrillo College, Santa Cruz California
Asko Noormets, North Carolina State University
Michael Notaro, University of Wisconsin-Madison
Paul Novelli, GMD/ESRL/NOAA
Liliana Nunez, Scripps Institution of Oceanography at University of California San Diego
Larry O'Neill, Oregon State University
Amanda O'Rourke, University of Michigan
Beth O'Shea, University of San Diego
Tom Oda, Universities Space Research Association
John Ogren, NOAA (retired)
Kirsten Oleson, University of Hawaii Manoa
John Orcutt, Scripps Institution of Oceanography, University of California San Diego
Ben Orlove, Columbia University
Alejandro Orsi, Texas A&M University

W Brechner Owens, Woods Hole Oceanographic Institution
Tamay Ozgokmen, University of Miami
Laurence Padman, Earth and Space Research
Pardeep Pall, Lawrence Berkeley National Laboratory
Jaime Palter, University of Rhode Island
Lee Panetta, Texas A&M University
David Parrish, CIRES, University of Colorado
Gino Passalacqua, Scripps Institution of Oceanography, University of California San Diego
Gilberto Pastorello, Lawrence Berkeley National Laboratory
William Patzert, Jet Propulsion Laboratory, California Institute of Technology
Suzanne Paulson, University of California at Los Angeles
Kerstin Paulsson, Scripps Institution of Oceanography, University of California San Diego
Olivier Pauluis, New York University
Joseph Pedlosky, Woods Hole Oceanographic Institution
Daniel Peppe, Baylor University
Cecilia Peralta-Ferriz, University of Washington
Renellys Perez, University of Miami/CIMAS
Larry Peterson, University of Miami
Vasilii Petrenko, University of Rochester
Irina Petropavlovskikh, CIRES, University of Colorado
Glenn Pezzoli, Scripps Institution of Oceanography, University of California San Diego
Robert Pickart, Woods Hole Oceanographic Institution
Christopher Picuch, Atmospheric and Environmental Research Inc.
Jeffrey Pierce, Colorado State University
Robert Pinkel, Scripps Institution of Oceanography, University of California San Diego
Kristina Pistone, NASA Ames Research Center
Nicholas Pizzo, Scripps Institution of Oceanography, University of California San Diego
Albert Plueddemann, Woods Hole Oceanographic Institution
Kristin Poinar, NASA Goddard Space Flight Center
James Pollock, Scripps Institution of Oceanography, University of California San Diego
Kurt Polzin, Woods Hole Oceanographic Institution
Rui Ponte, Atmospheric and Environmental Research Inc.
David Porinchu, University of Georgia
James Potemra, University of Hawaii
Shelley Pressley, Washington State University
Benjamin Preston, Oak Ridge National Laboratory
Stephen Price, Los Alamos National Laboratory
Francois Primeau, University of California, Irvine
Ronald Prinn, Massachusetts Institute of Technology
Alexander Purcell, University of California, Berkeley
Sarah Purkey, Lamont Doherty Earth Observatory, Columbia University
Bo Qiu, University of Hawaii
Patrick Rafter, University of California Irvine
Thom Rahn, Los Alamos National Laboratory
Luc Rainville, University of Washington
Mark Raleigh, University of Colorado
Nandini Ramesh, Columbia University
William Randel, National Center for Atmospheric Research
Cynthia Randles, Morgan State University and NASA GSFC
Marilyn Raphael, University of California Los Angeles
Tammo Reichgelt, Columbia University
Jeffrey Reid, Naval Research Laboratory
Laure Resplandy, Scripps Institution of Oceanography, University of California San Diego
Juan Restrepo, Oregon State University
Jennie Rheuban, Woods Hole Oceanographic Institution
Robert Rhew, University of California Berkeley
Peter Rhines, University of Washington
Tom Richard, Penn State University

Kelvin Richards, University of Hawaii
Edward Richards, Scripps Institution of Oceanography, University of California San Diego
Philip Richardson, Woods Hole Oceanographic Institution
Brian Ridley, National Centre for Atmospheric Research
Stephen Riser, University of Washington
Christopher Roach, International Pacific Research Center, University of Hawaii
Gregory Roberts, Scripps Institution of Oceanography, University of California San Diego
Andrew Roberts, Naval Postgraduate School
Andrew Robertson, IRI, Columbia University
Walter Robinson, North Carolina State University
Keith Rodgers, Princeton University
Carmen Rodriguez, University of Miami
Dean Roemmich, Scripps Institution of Oceanography, University of California San Diego
Brendan Rogers, Woods Hole Research Center
Rebecca Rolph, University of Alaska Fairbanks
Anastasia Romanou, Columbia University and NASA-GISS
Salvador Romo, University of Miami
Richard Rood, University of Michigan
Nan Rosenbloom, National Center for Atmospheric Research
Erica Rosenblu, University of California, Berkeley
Erica Rosenblum, Scripps Institution of Oceanography, University of California San Diego
Thomas Rossby, University of Rhode Island
Isabella Rosso, Scripps Institution of Oceanography, University of California San Diego
Lewis Rothstein, University of Rhode Island Graduate School of Oceanography
Cecile Rousseaux, Universities Space Research Association/GESTAR
Shellie Rowe, University of Wisconsin-Madison
Penny Rowe, NorthWest Research Associates
Daniel Rudnick, Scripps Institution of Oceanography, University of California San Diego
Steven Running, University of Montana
Joellen Russell, University of Arizona
Ann Russell, University of California, Davis
Steven Rutledge, Colorado State University
Michael Ryan, NREL, Colorado State University
Ryan Rykaczewski, University of South Carolina
Katherine Saad, California Institute of Technology
Grace Saba, Rutgers University
Casey Saenger, University of Washington
Peter Salameh, Scripps Institution of Oceanography, University of California San Diego
Nick Saliendra, United States Department of Agriculture/ARS
Roger Samelson, Oregon State University
Kevin Sanchez, Scripps Institution of Oceanography, University of California San Diego
Jonathan Sanderman, Woods Hole Research Center (former CSIRO scientist)
Jennifer Sanderson, Scripps Institution of Oceanography, University of California San Diego
Benjamin Santer, Lawrence Livermore National Laboratory
Jorge L. Sarmiento, Princeton University
Anna Savage, University of Michigan
Matthew Savoie, University of Colorado
Megan Scanderbeg, Scripps Institution of Oceanography, University of California San Diego
John Schade, St. Olaf College Minnesota
Irene Schaperdoth, Pennsylvania State University
Sue Schauffler, National Center for Atmospheric Research
Jacob Scheff, Columbia University
David Schimel, Jet Propulsion Laboratory California Institute of Technology
Christine Schirmer, University of Arizona
Raymond Schmitt, Woods Hole Oceanographic Institution
David Schneider, National Center for Atmospheric Research
Edwin Schneider, George Mason University
Siegfried Schobesberger, University of Washington

Oscar Schofield, Rutgers University
Erika Schreiber, University of Colorado
Kenneth Schuldt, NOAA/CIRES
Cristina Schultz, Woods Hole Oceanographic Institution
Michal Segal Rozenhaimer, Bay Area Environmental Research Institute
Alan Seltzer, Scripps Institution of Oceanography, University of California San Diego
Albert Semtner, Naval Postgraduate School
Olga Sergienko, Princeton University
Viral Shah, University of Washington
Timothy Shaw, Rutgers University, NJ
Roger Shaw, University of California
David Shean, University of Washington
Hayley Shen, Clarkson University
Jeff Sherman, Scripps Institution of Oceanography, University of California San Diego
Amelia Shevenell, University of South Florida
Lauren Shipp, Salk Institute for Biological Studies
Hampton Shirer, Pennsylvania State University
C K Shum, Ohio State University
Greta Shum, Climate Central
Elizabeth Sibert, Scripps Institution of Oceanography, University of California San Diego
Matthew Siegfried, Scripps Institution of Oceanography, University of California San Diego
Elisabeth Sikes, Rutgers University
Isobel Simpson, University of California Irvine
Martin Singh, Harvard University
Ramesh Singh, Chapman University, Orange, California
Deepti Singh, Lamont Doherty Earth Observatory, Columbia University
Andrew Slater, University of Colorado
Jerome Smith, Scripps Institution of Oceanography, University of California San Diego
Robert Smith, Oregon State University
Adam Sobel, Columbia University
Susan Solomon, Massachusetts Institute of Technology
Richard Somerville, University of California, San Diego
Todd Sowers, Pennsylvania State University
Michael Spall, Woods Hole Oceanographic Institution
Jaclyn Specht, Rutgers University
Kenneth Sperber, Lawrence Livermore National Laboratory
Janet Sprintall, Scripps Institution of Oceanography, University of California San Diego
Rachel Stanley, Wellesley College
Tim Stanton, Naval Postgraduate School
Hubert Staudigel, Scripps Institution of Oceanography, University of California San Diego
Leigh Stearns, University of Kansas
Amy Steiker, University of Colorado
David Stensrud, Pennsylvania State University
Britton Stephens, National Center for Atmospheric Research
Laura Stevens, Massachusetts Institute of Technology
Samantha Stevenson, National Center for Atmospheric Research
Andrew Stewart, University of California Los Angeles
John Stires, Scripps Institution of Oceanography, University of California San Diego
Karen Stocks, Scripps Institution of Oceanography, University of California San Diego
Curt Storlazzi, U.S. Geological Survey
Achim Stossel, Texas A&M University
Paul Stoy, Montana State University
Fiamma Straneo, Woods Hole Oceanographic Institution
Malte Stuecker, University of Hawaii at Manoa
Cove Sturtevant, National Ecological Observatory Network
James Stutz, Ohio State University
Sutara Suanda, Scripps Institution of Oceanography, University of California San Diego
Peter Sullivan, National Center for Atmospheric Research

Benjamin Sulman, Princeton University
Jielun Sun, National Center for Atmospheric Research
Jason Surratt, University of North Carolina at Chapel Hill
Adrienne Sutton, University of Washington
Abigail Swann, University of Washington
James Swift, Scripps Institution of Oceanography, University of California San Diego
Zoltan Szuts, Applied Physics Lab, University of Washington
Yuichiro Takeshita, Carnegie Institution for Science
Lynne Talley, University of California San Diego
David Talmy, Massachusetts Institute of Technology
Veronica Tamsitt, Scripps Institution of Oceanography, University of California San Diego
Amit Tandon, University of Massachusetts, Dartmouth
Mingjin Tang, University of Iowa
Karl Taylor, Program for Climate Model Diagnosis and Intercomparison
Claudia Tebaldi, National Centre for Atmospheric Research
Marco Tedesco, Columbia University
Ellen Thomas, Yale University
Matthew Thomas, Yale University
Leif Thomas, Stanford University
LuAnne Thompson, University of Washington
Andrew Thompson, California Institute of Technology
Jeffery Thompson, University of Colorado, Boulder
Hanqin Tian, Auburn University
Axel Timmermann, International Pacific Research Center, SOEST, University of Hawaii
Masako Tominaga, Texas A&M University
Claudia Toro, Washington State University
Omar Torres, National Aeronautics and Space Administration
Erin Towler, National Centre for Atmospheric Research
Katherine Travis, Harvard University
Kevin Trenberth, National Centre for Atmospheric Research
David Trossman, NASA GESTAR/Johns Hopkins University
Kostas Tsigaridis, Columbia University/NASA GISS
Alexander Turner, Harvard University
R. Eugene Turner, Louisiana State University
Neal Turner, Jet Propulsion Laboratory, California Institute of Technology
Scott Tyler, University of Nevada
Geoffrey Tyndall, National Center for Atmospheric Research
Mary Tyree, Scripps Institution of Oceanography, University of California San Diego
Eli Tziperman, Harvard University
Caroline Ummenhofer, Woods Hole Oceanographic Institution
Nadine Unger, Yale University
Nathan Urban, Los Alamos National Laboratory
John Van Leer, RSMAS, University of Miami
Andrea Vander Woude, University of Michigan
Adam Varble, University of Utah
Anthony Vastano, Rutgers University
Bruce Vaughn, INSTAAR, University of Colorado
Scott Veirs, Beam Reach Marine Science and Sustainability School
Milena Veneziani, Los Alamos National Laboratory
Daniel Vimont, University of Wisconsin-Madison
Natasha Vizcarra, National Snow and Ice Data Center
Gunnar Voet, Scripps Institution of Oceanography/RSMAS
Amanda Waite, University of Florida
Duane Waliser, Jet Propulsion Laboratory, California Institute of Technology
James Wang, Universities Space Research Association
Jinbo Wang, Jet Propulsion Laboratory, California Institute of Technology
Simon S.-Y. Wang, Utah State University
Weile Wang, California State University Monterey Bay

John Ware, University of Michigan
Mark Warner, University of Washington
Stephen Warren, University of Washington
Jeff Warren, Oak Ridge National Laboratory
Rebecca Washenfelder, University of Colorado
Amy Waterhouse, Scripps Institution of Oceanography, University of California San Diego
D. Randolph Watts, University of Rhode Island
Darryn Waugh, Johns Hopkins University
Peter Webster, Georgia Institute of Technology
Michael Wehner, Lawrence Berkeley National Laboratory
Emily Wei, Scripps Institution of Oceanography, University of California San Diego
Wilbert Weijer, Los Alamos National Laboratory
Judith Weis, Rutgers University
Ray Weiss, Scripps Institution of Oceanography, University of California San Diego
Robert Weller, Woods Hole Oceanographic Institution
Gary Wellwood, Scripps Institution of Oceanography, University of California San Diego
Paul Wennberg, California Institute of Technology
Sonia Wharton, Lawrence Livermore National Laboratory
Mary Whelan, Carnegie Institution for Science
Timothy White, Pennsylvania State University
James White, University of Colorado
Rachel White, University of Washington
Christine Wiedinmyer, National Center for Atmospheric Research
Nico Wienders, Florida State University
Peter Wilf, Pennsylvania State University
John Wilkin, Rutgers University
Claude Williams, National Centers for Environmental Information
Christopher Williams, Clark University, Massachusetts
David Williamson, National Center for Atmospheric Research
Josh Willis, Jet Propulsion Laboratory, California Institute of Technology
Kevin Wilson, Lawrence Berkeley National Laboratory
Oliver Wingenter, New Mexico Tech, New Mexico
Peter Winsor, University of Alaska
Kraig Winters, Scripps Institution of Oceanography University of California San Diego
Matthew Woelfle, University of Washington
Blair Wolf, University of New Mexico
Michael Wolovick, Princeton University
Eric Wood, Princeton University
Robert Wood, University of Washington
Rebecca Woodgate, University of Washington
Dominic Woolf, Cornell University
Tim Wootton, University of Chicago
Peter Worcester, Scripps Institution of Oceanography University of California San Diego
Helen Worden, National Centre for Atmospheric Research
Steven Worley, National Center for Atmospheric Research
Shiliang Wu, Michigan Technological University
Carl Wunsch, Harvard University/Massachusetts Institute of Technology
Hongjie Xie, The University of Texas at San Antonio
Shang-Ping Xie, University of California San Diego
Liukang Xu, LI-COR Biosciences
Xiaobiao Xu, Florida State University
Anastasia Yanchilina, Lamont Doherty Earth Observatory, Columbia University
Xi Yang, Brown University
Robert Yantosca, Harvard University
Stephen Yeager, National Center for Atmospheric Research
Chuxiang Yi, Queens College of City University of New York
James Yoder, Woods Hole Oceanographic Institution
Jin-Ho Yoon, Pacific Northwest National Laboratory

William Young, Scripps Institution of Oceanography, University of California San Diego
Jodi Young, University of Washington
Joanna Young, University of Alaska Fairbanks
Madeleine Youngs, Massachusetts Institute of Technology/ Woods Hole Oceanographic Institution
Lisan Yu, Woods Hole Oceanographic Institution
Jin-Yi Yu, University of California Irvine
Mark Zahniser, Aerodyne Research Inc.
Lauren Zamora, NASA
Hannah Zanowski, Princeton University
Mark Zelinka, Lawrence Livermore National Laboratory
Ping Zhai, Princeton University
Yongxin Zhang, National Center for Atmospheric Research
Xiangdong Zhang, University of Alaska Fairbanks
Chidong Zhang, University of Miami
Rong Zhang, Princeton University
Nathalie Zilberman, Scripps Institution of Oceanography, University of California San Diego
Richard Zimmerman, Old Dominion University
Victor Zlotnicki, NASA Jet Propulsion Laboratory
Paquita Zuidema, University of Miami

USA/Italy

Andrew Paul Gutierrez, University of California at Berkeley

Ukraine

Svitlana Krakovska, Ukrainian Hydrometeorological Institute
Oleg Skrynyk, Ukrainian Hydrometeorological Institute

United Arab Emirates

Amna Jrrar, CSLC, NYU Abu Dhabi

Uruguay

Marcelo Barreiro, Universidad de la Republica