

# Annex IV

---

## Authors and reviewers

---

### AIV.1 Authors and Review Editors

#### Technical Summary

##### *Co-ordinating Lead Authors*

Edward Rubin	Carnegie Mellon University, United States
Leo Meyer	TSU IPCC Working Group III, Netherlands Environment Assessment Agency (MNP), Netherlands
Heleen de Coninck	TSU IPCC Working Group III, Energy research Centre of the Netherlands (ECN), Netherlands

##### *Lead Authors*

Juan Carlos Abanades	Instituto Nacional del Carbon (CSIC), Spain
Makoto Akai	National Institute of Advanced Industrial Science and Technology, Japan
Sally Benson	Lawrence Berkeley National Laboratory, United States
Ken Caldeira	Carnegie Institution of Washington, United States
Peter Cook	Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC), Australia
Ogunlade Davidson	Co-chair IPCC Working Group III, Faculty of Engineering, University of Sierra Leone, Sierra Leone
Richard Doctor	Argonne National Laboratory, United States
James Dooley	Battelle, United States
Paul Freund	United Kingdom
John Gale	IEA Greenhouse Gas R&D Programme, United Kingdom
Wolfgang Heidug	Shell International Exploration and Production B.V., Netherlands (Germany)
Howard Herzog	MIT, United States
David Keith	University of Calgary, Canada
Marco Mazzotti	ETH Swiss Federal Institute of Technology Zurich, Switzerland (Italy)
Bert Metz	Co-chair IPCC Working Group III, Netherlands Environment Assessment Agency (MNP), Netherlands
Balgis Osman-Elasha	Higher Council for Environment and Natural Resources, Sudan
Andrew Palmer	University of Cambridge, United Kingdom
Riitta Pipatti	Statistics Finland, Finland
Koen Smekens	Energy research Centre of the Netherlands (ECN), Netherlands (Belgium)
Mohammad Soltanieh	Environmental Research Centre, Dept. of Environment, Climate Change Office, Iran
Kelly (Kailai) Thambimuthu	Centre for Low Emission Technology, CSIRO, Australia (Australia and Canada)
Bob van der Zwaan	Energy research Centre of the Netherlands (ECN), The Netherlands

**Review Editor**

Ismail El Gizouli

IPCC WGIII vice-chair, Higher Council for Environment &amp; Natural Resources, Sudan

**Chapter 1: Introduction****Co-ordinating Lead Author**

Paul Freund

United Kingdom

**Lead Authors**

Anthony Adegbulugbe  
Øyvind Christophersen  
Hisashi Ishitani  
William Moomaw  
Jose Moreira

Centre of Energy Research and Development, Nigeria  
Norwegian Pollution Control Authority, Norway  
School of Media and Governance, Keio University, Japan  
Tufts University, The Fletcher School of Law and Diplomacy, United States  
University of Sao Paulo, National Reference Center on Biomass (CENBIO), Brazil

**Review Editors**

Eduardo Calvo  
Eberhard Jochem

IPCC vice-chair WGIII, Peru  
Fraunhofer Institut/ETH Zürich, Germany/Switzerland (Germany)

**Chapter 2: Sources of CO<sub>2</sub>****Co-ordinating Lead Author**

John Gale

IEA Greenhouse Gas R&amp;D Programme, United Kingdom

**Lead Authors**

John Bradshaw  
Zhenlin Chen  
Amit Garg  
Dario Gomez  
Hans-Holger Rogner  
Dale Simbeck  
Robert Williams

Geoscience Australia, Australia  
China Meteorological Administration, China  
Ministry of Railways, India  
Comision Nacional de Energia Atomica (CNEA), Argentina  
International Atomic Energy Agency (IAEA), Austria (Germany)  
SFA Pacific Inc., United States  
Center for Energy & Environmental Studies, Princeton University, United States

**Contributing Authors**

Ferenc Toth  
Detlef van Vuuren

International Atomic Energy Agency (IAEA), Austria  
Netherlands Environment Assessment Agency (MNP), Netherlands

**Review Editors**

Ismail El Gizouli  
Jürgen Friedrich Hake

IPCC WGIII vice-chair, Sudan  
Forschungszentrum Jülich, Germany

**Chapter 3: Capture****Co-ordinating Lead Authors**

Juan Carlos Abanades  
Mohammad Soltanieh  
Kelly (Kailai) Thambimuthu

Instituto Nacional del Carbon (CSIC), Spain  
Environmental Research Centre, Dept. of Environment, Climate Change Office, Iran  
Centre for Low Emission Technology, CSIRO, Australia (Australia and Canada)

**Lead Authors**

Rodney Allam  
Olav Bolland  
John Davison  
Paul Feron  
Fred Goede  
Alice Herrera

Air Products PLC, United Kingdom  
Norwegian University of Science and Technology, Norway  
IEA Greenhouse Gas R&D Programme, United Kingdom  
TNO Science and Industry, Netherlands  
SHE Centre, Sasol Ltd, South Africa  
Industrial Technology Development Institute, Department of Science and Technology, Philippines

Masaki Iijima	Mitsubishi Heavy Industries, Japan
Daniël Jansen	Energy research Centre of the Netherlands (ECN), Netherlands
Iosif Leites	State Institute for Nitrogen Industry, Russian Federation
Philippe Mathieu	University of Liege, Belgium
Edward Rubin	Carnegie Mellon University, United States (Crosscutting Chair Energy Requirements)
Dale Simbeck	SFA Pacific Inc., United States
Krzysztof Warmuzinski	Polish Academy of Sciences, Institute of Chemical Engineering, Poland
Michael Wilkinson	BP Exploration, United Kingdom
Robert Williams	Center for Energy & Environmental Studies, Princeton University, United States

***Contributing Authors***

Manfred Jaschik	Polish Academy of Sciences, Institute of Chemical Engineering, Poland
Anders Lyngfelt	Chalmers University of Technology, Sweden
Roland Span	Institute for Thermodynamics & Energy Technologies, Germany
Marek Tanczyk	Polish Academy of Sciences, Institute of Chemical Engineering, Poland

***Review Editors***

Ziad Abu-Ghararah	IPCC WGIII vice-chair, Saudi Arabia
Tatsuaki Yashima	Nihon University, Advanced Research Institute for the Sciences and Humanities, Japan

**Chapter 4: Transport of CO<sub>2</sub>*****Co-ordinating Lead Authors***

Richard Doctor	Argonne National Laboratory, Hydrogen and Greenhouse Gas Engineering, United States
Andrew Palmer	University of Cambridge, United Kingdom

***Lead Authors***

David Coleman	Kinder Morgan, United Kingdom
John Davison	IEA Greenhouse Gas R&D Programme, United Kingdom
Chris Hendriks	Ecofys, Netherlands
Olav Kaarstad	Statoil ASA, Industry and Commercialisation, Norway
Masahiko Ozaki	Nagasaki R & D Centre, Mitsubishi Heavy Industries, Ltd., Japan

***Contributing Author***

Michael Austell	Kinder Morgan, United Kingdom
-----------------	-------------------------------

***Review Editors***

Ramon Pichs-Madruga	Centro de Investigaciones de Economia Mundial (CIEM), IPCC WGIII vice-chair, Cuba
Svyatoslav Timashev	Science and Engineering Center, Ural Branch, Russian Academy of Sciences, Russian Federation

**Chapter 5: Underground geological storage*****Co-ordinating Lead Authors***

Sally Benson	Lawrence Berkeley National Laboratory, United States
Peter Cook	Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC), Australia

***Lead Authors***

Jason Anderson	Institute for European Environmental Policy (IEEP), Belgium (United States)
Stefan Bachu	Alberta Energy and Utilities Board, Canada
Hassan Bashir Nimir	University of Khartoum, Sudan
Biswajit Basu	Oil and Natural Gas Corporation Ltd., India
John Bradshaw	Geoscience Australia, Australia
Gota Deguchi	Japan Coal Energy Centre, Japan

John Gale	IEA Greenhouse Gas R&D Programme, United Kingdom
Gabriela von Goerne	Greenpeace, Germany
Bill Gunter	Alberta Research Council, Canada
Wolfgang Heidug	Shell International Exploration and Production B.V., Netherlands (Germany)
Sam Holloway	British Geological Survey, United Kingdom
Rami Kamal	Saudi Aramco, Saudi Arabia
David Keith	University of Calgary, Canada
Philip Lloyd	Energy Research Centre, University of Cape Town, South Africa
Paulo Rocha	Petrobras - Petroleo Brasileiro S.A., Brazil
Bill Senior	DEFRA, United Kingdom
Jolyon Thomson	Defra Legal Services, International Environmental Law, United Kingdom
Tore Torp	Statoil R&D Centre, Norway
Ton Wildenborg	TNO Built Environment and Geosciences, Netherlands
Malcolm Wilson	University of Regina, Canada
Francesco Zarlenga	ENEA-Cr. Casaccia PROT-PREV, Italy
Di Zhou	South China Sea Institute of Oceanology, Chinese Academy of Sciences, China

### ***Contributing Authors***

Michael Celia	Princeton University, United States
Jonathan Ennis King	Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
Erik Lindeberg	SINTEF Petroleum Research, Norway
Salvatore Lombardi	University of Rome “La Sapienza”, Laboratory of Fluid Chemistry, Italy
Curt Oldenburg	Lawrence Berkeley National Laboratory, United States
Karsten Pruess	Lawrence Berkeley National Laboratory, United States
Andy Rigg	CSIRO Petroleum Resources, Australia
Scott Stevens	Advanced Resources International, United States
Elizabeth Wilson	Office of Research and Development / US EPA, United States
Steve Whittaker	Saskatchewan Industry & Resources, Canada

### ***Review Editors***

Günther Borm	GeoForschungsZentrum Potsdam, Germany
David G. Hawkins	Natural Resources Defense Council, United States
Arthur Lee	Chevron Corporation, United States

## **Chapter 6: Ocean storage**

### ***Co-ordinating Lead Authors***

Ken Caldeira	Carnegie Institution of Washington, United States
Makoto Akai	National Institute of Advanced Industrial Science and Technology, Japan

### ***Lead Authors***

Peter Brewer	Monterey Bay Aquarium Research Institute, United States
Baixin Chen	National Institute of Advanced Industrial Science and Technology (AIST), Japan (China)
Peter Haugan	Geophysical Institute, University of Bergen, Norway
Toru Iwama	Seinan Gakuin University, Faculty of Law, Japan
Paul Johnston	Greenpeace Research Laboratories, United Kingdom
Haroon Kheshgi	ExxonMobil Research & Engineering Company, United States
Qingquan Li	National Climate Centre, China Meteorological Administration, China
Takashi Ohsumi	Research Institute of Innovative Technology for the Earth, Japan
Hans Pörtner	Alfred-Wegener-Institute for Polar and Marine Research, Marine Animal Ecophysiology, Germany
Christopher Sabine	Global Carbon Programme; NOAA/PMEL, United States
Yoshihisa Shirayama	Seto Marine Biological Laboratory, Kyoto University, Japan
Jolyon Thomson	Defra Legal Services, International Environmental Law, United Kingdom

**Contributing Authors**

Jim Barry Monterey Bay Aquarium Research Institute, United States  
Lara Hansen WWF, United States

**Review Editors**

Brad De Young Memorial University of Newfoundland, Canada  
Fortunat Joos University of Bern, Switzerland

**Chapter 7: Mineral carbonation and industrial uses of carbon dioxide****Co-ordinating Lead Author**

Marco Mazzotti ETH Swiss Federal Institute of Technology Zurich, Switzerland (Italy)

**Lead Authors**

Juan Carlos Abanades Instituto Nacional del Carbon (CSIC), Spain  
Rodney Allam Air Products PLC, United Kingdom  
Klaus S. Lackner School of Engineering and Applied Sciences, Columbia University, United States  
Francis Meunier CNAM-IFFI, France  
Edward Rubin Carnegie Mellon University, United States  
Juan Carlos Sánchez M. Environmental consultant, Venezuela  
Katsunori Yogo Research Institute of Innovative Technology for the Earth (RITE), Japan  
Ron Zevenhoven Helsinki University of Technology, Finland (The Netherlands)

**Review Editors**

Baldur Eliasson Eliasson & Associates, Switzerland  
R.T.M. Sutamihardja The Office of the State Minister for Environment Republic of Indonesia, Indonesia

**Chapter 8: Costs and economic potential****Co-ordinating Lead Authors**

Howard Herzog MIT, United States  
Koen Smekens Energy research Centre of the Netherlands (ECN), Netherlands (Belgium)

**Lead Authors**

Pradeep Dadhich The Energy Research Institute, India  
James Dooley Battelle, United States  
Yasumasa Fujii School of Frontier Sciences, University of Tokyo, Japan  
Olav Hohmeyer University of Flensburg, Germany  
Keywan Riahi International Institute for Applied Systems Analysis (IIASA), Austria

**Contributing Authors**

Makoto Akai National Institute of Advanced Industrial Science and Technology, Japan  
Chris Hendriks Ecofys, Netherlands  
Klaus Lackner School of Engineering and Applied Sciences, Columbia University, United States  
Ashish Rana National Institute for Environmental Studies, India  
Edward Rubin Carnegie Mellon University, United States  
Leo Schrattenholzer International Institute for Applied Systems Analysis (IIASA), Austria  
Bill Senior DEFRA, United Kingdom

**Review Editors**

John Christensen UNEP Collaborating Centre on Energy and Environment (UCCEE), Denmark  
Greg Tosen Eskom Resources and Strategy, South Africa

**Chapter 9: Implications of carbon dioxide capture and storage for greenhouse gas inventories and accounting*****Co-ordinating Lead Authors***

Balgis Osman-Elasha	Higher Council for Environment and Natural Resources, Sudan
Riitta Pipatti	Statistics Finland, Finland

***Lead Authors***

William Kojo Agyemang-Bonsu	Environmental Protection Agency, Ghana
A.M. Al-Ibrahim	King Abdulaziz City for Science & Technology (KACST), Saudi Arabia
Carlos López	Institute of Meteorology, Cuba
Gregg Marland	Oak Ridge National Laboratory, United States
Huang Shenchu	China Coal Information Institute, China
Oleg Tailakov	International Coal and Methane Research Centre - UGLEMETAN, Russian Federation

***Review Editors***

Takahiko Hiraishi	Institute for Global Environmental Strategies, Japan
José Domingos Miguez	Ministry of Science and Technology, Brazil

**Annex I: Properties of CO<sub>2</sub> and carbon-based fuels*****Co-ordinating Lead Author***

Paul Freund	United Kingdom
-------------	----------------

***Lead Authors***

Stefan Bachu	Alberta Energy and Utilities Board, Canada
Dale Simbeck	SFA Pacific Inc., United States
Kelly (Kailai) Thambimuthu	Centre for Low Emission Technology, CSIRO, Australia (Australia and Canada)

***Contributing Author***

Murlidhar Gupta	CANMET Energy Technology Centre, Natural Resources Canada (India)
-----------------	---

**Annex II: Glossary, acronyms and abbreviations*****Co-ordinating Lead Author***

Philip Lloyd	Energy Research Institute, University of Capetown, South Africa
--------------	---

***Lead Authors***

Peter Brewer	Monterey Bay Aquarium Research Institute, United States
Chris Hendriks	Ecofys, Netherlands
Yasumasa Fujii	School of Frontier Sciences, University of Tokyo, Japan
John Gale	IEA Greenhouse Gas R&D Programme, United Kingdom
Balgis Osman Elasha	Higher Council for Environment and Natural Resources, Sudan
Jose Moreira	University of Sao Paulo, Biomass Users Network (BUN), Brazil
Juan Carlos Sánchez M.	Environmental consultant, Venezuela
Mohammad Soltanieh	Environmental Research Centre, Dept. of Environment, Climate Change Office, Iran
Tore Torp	Statoil R&D Centre, Corporate Strategic Technology, Norway
Ton Wildenborg	TNO Built Environment and Geosciences, Netherlands

***Contributing Authors***

Jason Anderson	Institute for European Environmental Policy (IEEP), Belgium (United States)
Stefan Bachu	Alberta Energy and Utilities Board, Canada
Sally Benson	Ernest Orlando Lawrence Berkeley National Laboratory, United States
Ken Caldeira	Carnegie Institution of Washington, United States
Peter Cook	Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC), Australia
Richard Doctor	Argonne National Laboratory, Hydrogen and Greenhouse Gas Engineering, United States

Paul Freund	United Kingdom
Gabriela von Goerne	Greenpeace, Germany

## **AIV.2 Crosscutting Chairs**

### ***Crosscutting group***

Costs  
Energy requirements  
Legal issues and environmental impacts  
Public perception and risks  
Technical and economic potential

### ***Chair***

Howard Herzog, MIT, United States  
Ed Rubin, Carnegie Mellon University, United States  
Wolfgang Heidug, Shell International Exploration and Production B.V., Netherlands (Germany)  
David Keith, University of Calgary, Canada  
James Dooley, Battelle, United States

## **AIV.3 Expert Reviewers**

### ***Argentina***

Charles Balnaves  
Gustavo Galliano  
Héctor Ginzo  
Martiros Tsarukyan

BHP Petroleum Pty Ltd  
Repsol YPF, Argentina Technology Centre  
Ministry of Foreign Affairs, International Trade and Worship  
Department of Atmosphere protection, Ministry of Nature Protection

### ***Australia***

Barry Hooper  
Bill Koppe  
Brian Evans  
Iain MacGill  
John Torkington  
Jonathan Ennis-King  
Lincoln Paterson  
Peter McNally  
Robert Durie  
Tristy Fairfield

CO2CRC, Department of Chemical and Biomolecular Engineering  
Anglo Coal Australia  
Curtin University  
School of Engineering & Telecommunications  
Chevron Australia Pty Ltd  
CSIRO Petroleum  
CSIRO  
Greenhouse & Climate Change Co-ordinator  
CSIRO, Division of Energy Technology  
Conservation Council of Western Australia

### ***Austria***

Klaus Radunsky  
Margit Kapfer  
Torsten Clemens

Umweltbundesamt  
Denkstatt  
OMV E&P

### ***Belgium***

Aviel Verbruggen  
Ben Laenen  
Dolf Gielen  
Kris Piessens

Universiteit Antwerpen  
VITO  
International Energy Agency  
Geological Survey of Belgium

### ***Benin***

Sabin Guendéhou

Benin Centre of Scientific and Technical Research

### ***Brazil***

Paulo Antônio De Souza  
Paulo Cunha

Companhia Vale do Rio Doce, Department of Environmental and Territorial Management  
Petrobras

### ***Bulgaria***

Teodor Ivanov

Ministry of Environment and Water

**Canada**

Bob Stobbs	Canadian Clean Power Coalition
C.S. Wong	OSAP, Institute of Ocean Sciences
Carolyn Preston	Canmet Energy Technology Centre, Natural Resources
Chris Hawkes	University of Saskatchewan
Don Lawton	University of Calgary, Department of Geology and Geophysics
Steve Whittaker	Saskatchewan Industry and Resources

**China**

Chen-Tung Arthur Chen	National Sun Yat-Sen University
Xiaochun Li	RITE
Xu Huaqing	ERI
Zhang ChengYi	National Climate Center

**Denmark**

Flemming Ole Rasmussen	Danish Energy Authority, Ministry of Economic and Business Affairs
Kim Nissen	Elsam Kraft A/S
Kristian Thor Jakobsen	University of Copenhagen

**Dominican Republic**

Rene Ledesma	Ministry of Environment and Natural Resources
--------------	---

**Egypt**

Mohamed Ahmed Darwish	The Egyptian Meteorological Authority
-----------------------	---------------------------------------

**Finland**

Allan Johansson	Technical Research Centre of Finland
Ilkka Savolainen	VTT Processes, Emission Control - Greenhouse Gases

**France**

Isabelle Czernichowski	BRGM (French Geological Survey)
Jean-Xavier Morin	Alstom
Marc Gillet	Observatoire National sur les Effets du Réchauffement Climatique
Martin Pêcheux	Institut des Foraminifères Symbiotiques
Paul Broutin	IFP-Lyon
Rene Ducroux	Centre of Initiative and Research on Energy and the Environment
Yann Le Gallo	Institut Français du Pétrole

**Germany**

Axel Michaelowa	Hamburg Institute of International Economics
Franz May	Federal Institute for Geosciences and Natural Resources
Gert Müller-Syring	DBI Gas- und Umwelttechnik GmbH
Jochen Harnisch	Ecofys GmbH
Jürgen Engelhardt	Forschung und Entwicklung Rheinbraun AG
Martina Jung	Hamburg Institute of International Economics
Manfred Treber	GermanWatch
Matthias Duwe	Climate Action Network Europe
Peter Markewitz	Forschungszentrum Jülich GmbH
Sven Bode	Hamburg Institute of International Economics
Ulf Riebesell	AWI
Wilhelm Kuckshinrichs	Forschungszentrum Jülich GmbH

**India**

Auro Ashish Saha	Department of Mechanical Engineering, Pondicherry Engineering College
M.M. Kapshe	MANIT



### *Ireland*

Pat Finnegan      Greenhouse Ireland Action Network

## Israel

Martin Halmann                      Weizmann Institute of Science

### Italy

Fedora Quattrocchi  
Umberto Desideri

Institute of Geophysics and Volcanology  
University of Perugia

## Japan

Atsushi Ishimatsu	Nagasaki University
Hitoshi Koide	Waseda University
Imai Nobuo	Mitsubishi Heavy Industries, Ltd.
Koh Harada	Institute for Environmental Management, Institute of Advanced Industrial, Science and Technology
Kozo Sato	Geosystem Engineering, The University of Tokyo
Mikiko Kainuma	NIES, National Institute for Environmental Studies
Shigeo Murai	Research Institute of Innovative Technology for the Earth
Takahisa Yokoyama	CS Promotion Office
Yoichi Kaya	The Japan Committee for IIASA, Research Institute of Innovative Technology for the Earth (RITE )

*Mexico*

Antonio Juarez Alvarado	Directore Energy development, Min of Energy
Aquileo Guzman	National Institute of Ecology
Jose Antonio Benjamin Ordóñez-Díaz	National Autonomous University of Mexico, PhD. Student
Julia Martinez	Instituto Nacional Ecologica
Lourdes Villers-Ruiz	Andador Epigmenio Ibarra

### *The Netherlands*

Annemarie van der Rest	Shell Nederland BV
Bert van der Meer	TNO Built Environment and Geosciences
Bob van der Zwaan	ECN Policy Studies
Dorothee Bakker	University of East Anglia, United Kingdom
Evert Wesker	Shell Global Solutions International, Dept. OGIR
Ipo Ritsema	TNO Built Environment and Geosciences - National Geological Survey
Jos Cozijnsen	Consulting Attorney Energy & Environment
Jos Keurentjes	Eindhoven University of Technology
Karl-Heinz Wolf	Delft University of Technology
Nick ten Asbroek	TNO Science and Industry
Rob Arts	TNO Built Environment and Geosciences
Suzanne Hurter	Shell International Exploration and Production
Wouter Huijgen	ECN Clean Fossil Fuels

## New Zealand

David Darby	Institute of Geological and Nuclear Sciences
Peter Read	Massey University
Wayne Hennessy	CRL Energy Ltd

*Nigeria*

Christopher Ugwu                      Nigeria Society for the Improvement of Rural People (NSIRP), University of Nigeria

### Norway

Asbjørn Torvanger  
Bjorn Kvamme  
Gelein de Koeijer

Centre for International Climate and Environmental Research  
Institute of Physics, University of Bergen  
Statoil ASA

Guttorm Alendal  
Hallvard Fjøsne Svendsen  
Hans Aksel Haugen  
Kristin Rypdal  
Lars Eide  
Lars Golmen  
Martin Hovland  
Todd Allyn Flach

Bergen Centre for Computational Science  
NTNU, Chemical Engineering Department  
Norsk Hydro ASA, Environment and Energy Consulting  
CICERO  
Norsk Hydro  
Norwegian Institute for Water Research (NIVA)  
Statoil ASA  
DNV Research, Energy and Resources, Det Norske Veritas

### ***Philippines***

Flaviana Hilario

Climatology and Agrometeorology Branch

### ***Russian Federation***

Michael Gytarsky

Institute of Global Climate and Ecology

### ***Saudi Arabia***

Ahmad Al-Hazmi

Sabir

### ***Spain***

Pilar Coca  
Angel Maria Gutierrez

ELCOGAS  
NaturCorp Redes, s.a.

### ***Sweden***

Christian Bernstone  
Erlström Anders  
Jerry Jinyue Yan  
Kenneth Möllersten  
Marie Anheden

Vattenfall Utveckling AB  
Geological Survey of Sweden  
Luleå University of Technology  
Swedish Energy Agency Climate Change Division  
Vattenfall Utveckling AB

### ***Switzerland***

Daniel Spreng  
Jose Romero

ETH Swiss Federal Institute of Technology Zürich  
Swiss Agency for the Environment, Forests and Landscape

### ***United Kingdom***

Andy Chadwick  
David Reiner  
John Shepherd  
Jon Gibbins  
Nick Riley  
Paul Zakkour  
Raymond Purdy  
Sevket Durucan  
Simon Eggleston  
Stef Simons  
Stefano Brandani  
Stuart Haszeldine  
William Wilson

British Geological Survey, Geophysics & Marine Geoscience  
University of Cambridge, Judge Institute of Management  
Southampton Oceanography Centre  
Energy Technology for Sustainable Development Group  
Reservoir Geoscience, British Geological Survey  
ERM Energy & Climate Change  
Centre for Law and the Environment, Faculty of Laws, University College London  
Imperial College of Science Technology and Medicine, Royal School of Mines  
IPCC NGGIP Technical Support Unit  
University College London, Centre for CO<sub>2</sub> Technology  
Centre for CO<sub>2</sub> Technology  
University of Edinburgh, Grant Institute  
Cambrensis Ltd.

### ***United States***

Anand Gnanadesikan  
Craig Smith  
David Archer  
Don Seeburger  
Eric Adams  
Franklin Orr  
Granger Morgan

GFDL  
University of Hawaii at Monoa  
University of Chicago  
IPIECA  
MIT  
Stanford University  
Carnegie Mellon University

Grant Bromhal	U.S. Department of Energy, National Energy Technology Laboratory (NETL)
Greg Rau	Institute of Marine Sciences
Hamid Sarv	Babcock & Wilcox Research Center
Jette Findsen	Science Applications International Corporation
Julio Friedman	University of Maryland
Karl Turekian	Yale University
Larry Myer	Lawrence Berkeley National Laboratory
Leonard Bernstein	L.S. Bernstein & Associates, L.L.C.
Neeraj Gupta	Battelle
Neville Holt	EPRI
R.J. Batterham	Rio Tinto
Richard Rhudy	EPRI
Robert Buruss	US Geological Survey
Robert Finley	Illinois State Geological Survey
Robert Fledderman	MeadWestvaco Forestry Division
Robert Socolow	Princeton Environmental Institute, Princeton University
Scott Imbus	IPIECA
Seymour Alpert	Retired
Steve Crookshank	Policy Analysis & Statistics, American Petroleum Institute
Steven Kleespie	Rio Tinto
Susan Rice	Susan A. Rice and Associates, Inc
Tom Marrero	University of Missouri
Vello Kuuskra	Advanced Resources International, Inc.
Veronica Brieno Rankin	Michigan Technological University