



**ANTARCTIC TREATY SUMMIT:
SCIENCE-POLICY INTERACTIONS IN INTERNATIONAL GOVERNANCE**

AGENDA

ANTARCTIC TREATY

Signed: Washington, D.C. – December 1, 1959

Entered into Force: June 23, 1961

THE ANTARCTIC TREATY SUMMIT will celebrate the development and resilience of the Antarctic Treaty on the 50th anniversary of its signature day in the city where it was signed “*with the interests of science and the progress of all mankind.*” Invited keynote presentations and panel discussions will draw out lessons learned from the first fifty years of international governance of Antarctica that will be applied in focused workshops on the final day. This international, interdisciplinary and inclusive event is open to all to explore, share and utilize lessons from the Antarctic Treaty experience that have practical value for the governance of international spaces beyond national jurisdictions across nearly 75% of the Earth. The “*Forever Declaration*” was signed on December 1, 2009 by HSH Prince Albert II, the International Board for the Antarctic Treaty Summit and other dignitaries and is open for digital signature by anyone anywhere in our world (www.atsummit50.aq).

WE THANK OUR SPONSORS

The Antarctic Treaty Summit is made possible with tremendous support around the world from: associations, foundations, government agencies, international institutions, non-governmental organizations, programmes, societies, unions and universities. In particular, the International Board for the Antarctic Treaty Summit, acknowledges with gratitude our:

Summit Benefactors: The Tinker Foundation, Smithsonian Institution and Prince Albert II of Monaco Foundation (Monaco)

Summit Patrons: Eisenhower Institute, Prince Albert II of Monaco Foundation (United States), TransPolar (a Raytheon / AECOM Company), US National Science Foundation, US Marine Mammal Commission and the US-UK Fulbright Commission

Summit Sponsors and Endorsements: Please see www.atsummit50.aq

***FOREVER DECLARATION* – Open for Signature
PLEASE SEE www.atsummit50.aq**

DAY 1 – MONDAY, 30 NOVEMBER 2009

SCIENCE AS A TOOL OF DIPLOMACY IN THE ANTARCTIC TREATY SYSTEM

The first day will explore the origin, evolution and resilience of the Antarctic Treaty System that emerged from the success of the International Geophysical Year. Recognizing that the Antarctic Treaty has grown from a purely intergovernmental meeting to one with a much wider range of participants, the following sessions present a number of key themes and through discussion and posters will explore interactions among the diverse Antarctic stakeholders in the global community.

08:00-17:00 NATIONAL MUSEUM OF NATURAL HISTORY, BAIRD AUDITORIUM

08:00 REGISTRATION

08:45 OPENING CEREMONIES – Chaired by Professor Paul Berkman (Chair of the International Board for the Antarctic Treaty Summit)

- Welcome from Officials
 - **Dr. G. Wayne Clough** (Secretary of the Smithsonian Institution, United States)
 - **Dr. Nina Fedoroff** (Science & Technology Adviser to the Secretary of State, Department of State, United States)

09:15 KEYNOTE OPENING ADDRESS

- “Humankind and Our Polar Regions” – **HSH Prince Albert II of Monaco**

10:00 COFFEE

- **Group Photo with Speakers and Panellists**
-

10:30 PLENARY 1 – ORIGIN OF THE ANTARCTIC TREATY: Chaired by Dr. Olav Orheim (Senior Adviser, Research Council of Norway and Former Chair of the Committee on Environmental Protection, Norway)

- “Historic Perspectives of Antarctic Claimant and Non-claimant Nations” – **Professor Gillian Triggs** (Dean of Law School, University of Sydney, Australia)
- “Parallel Agendas for the International Geophysical Year ” – **Dr. Cornelia Lüdecke**, (Privatdozent, Centre for the History of Science, University of Hamburg, Germany)
- “President Eisenhower and the Antarctic Treaty” – **Professor Paul Berkman** (Head of Arctic Ocean Geopolitics Programme, Scott Polar Research Institute, University of Cambridge, United Kingdom; Research Professor, Bren School of Environmental Science and Management, University of California Santa Barbara, United States)

11:45 PANEL 1 – Moderated Panel Discussion

CHAIR – Dr. Olav Orheim (Norway)

PANELLISTS –, Professor Paul Berkman (United States), **Professor Aant Elzinga** (Professor Emeritus, Department of Theory of Science, University of Gothenburg, Sweden), **Dr. Roger D. Launius** (Senior Curator of the NASM Division of Space History Smithsonian Institution, United States), **Dr. Cornelia Lüdecke** (Germany), **Dr. Ernest Frederick Roots** (Science Advisor Emeritus to Environment Canada, Canada), **Professor Gillian Triggs** (Australia)

12:25 YOUNG SCHOLAR ESSAY: Ms. Jaehee Kim (Minjok Leadership Academy, South Korea) – 3rd Place Winner of the Association of Polar Early Career Scientists (APECS) Essay Contest

12:30 LUNCH

13:30 PLENARY 2 – DEVELOPMENT OF THE ANTARCTIC TREATY SYSTEM: Chaired by Dr. Michael Richardson (Former Head of Polar Regions Section, Foreign & Commonwealth Office, United Kingdom)

- “Building the International Legal Framework for Antarctica” – **Dr. Marie Jacobsson**, (Principal Legal Advisor on International Law, Ministry for Foreign Affairs, Sweden)

- “Development of Antarctic Governance” – **Ambassador R. Tucker Scully** (Former Director, Office of Ocean Affairs, Department of State, and Chair of the 32nd Antarctic Treaty Consultative Meeting, United States)
- “International Antarctic Science: The Scientific Committee on Antarctic Research” – **Professor David Walton** (Professor Emeritus, British Antarctic Survey, Cambridge, United Kingdom)

14:45 COFFEE

15:15 **PANEL 2 – Interactive Panel Discussion with Questions from the Audience**

CHAIR – **Dr. Michael Richardson** (United Kingdom)

PANELLISTS – **Professor Hugo Declair** (Professor Emeritus, Department of Geography Faculty of Sciences, Vrije Universiteit, Belgium), **Dr. Marie Jacobsson** (Sweden), **Ambassador R. Tucker Scully** (United States), **Professor David Walton** (United Kingdom)

16:15 **OPEN DISCUSSION TO FINALIZE THE *FOREVER DECLARATION*: Chaired by: His Excellency Ambassador Jorge Berguño** (Council for Antarctic Policy, Ministry of Foreign Affairs and Former Ambassador to the United Nations, Chile); **Dr. Michael Richardson** (United Kingdom); and **Judge Rüdiger Wolfrum** (Director, Max Planck Institute for Comparative Public Law and International Law and Former President, International Tribunal for the Law of the Sea, Germany)

17:00 **PERFORMANCE – Keystone State Boychoir** (Pennsylvania, United States)

DAY 2 – TUESDAY, 1 DECEMBER 2009

SCIENCE-POLICY INTERFACE IN THE ANTARCTIC TREATY SYSTEM

The second day – the 50th anniversary of the signing of the Antarctic Treaty – will celebrate this unique international agreement and offer participants the chance to sign the *For Ever Declaration that Antarctica is a Beacon of Peace*. The sessions will explore some of critical contributions of the Antarctic Treaty System to global science, examine its remarkable levels of international co-operation at all levels and discuss some of its challenges for the future.

08:00-17:00 **NATIONAL MUSEUM OF NATURAL HISTORY, BAIRD AUDITORIUM**

08:45 **VIDEO MESSAGE ON THE 50TH ANNIVERSARY OF THE SIGNING OF THE ANTARCTIC TREATY: His Excellency Ban Ki-moon** (Secretary-General of the United Nations)

08:55 **CELEBRATORY SIGNING OF THE *FOREVER DECLARATION*: Chaired by His Excellency Ambassador Jorge Berguño** (Council for Antarctic Policy, Ministry of Foreign Affairs and Former Ambassador to the United Nations, Chile)

- Initial Signatories: HSH Prince Albert II of Monaco; Members of the International Board for the Antarctic Treaty Summit; and the Declaration Drafting Committee
- Open for Digital Signature by Anyone Anywhere in the World (www.atsummit50.aq)

09:15 **PLENARY 3 – ANTARCTICA’S ROLE IN GLOBAL SCIENCE: Chaired by Dr. Sergio Marensi** (Director of Science, Argentine Antarctic Institute, Argentina)

- “The Ozone Hole and its Implications” – **Dr. Susan Solomon** (Senior Scientist, National Oceanic and Atmospheric Administration, United States)
- “Antarctica’s Role in Global Climate over Different Time Scales” – **Dr. Jean-Robert Petit**, Directeur de Recherche, Center National de la Recherche, France
- “Cosmology from Antarctica” – **Dr. Antony Stark** (Scientist, Harvard-Smithsonian Center for Astrophysics)
- “Southern Ocean in the Earth System” – **Dr. Stephen Rintoul** (CSIRO Fellow, Commonwealth Scientific and Industrial Research Organisation, Australia)

10:45 COFFEE

- **Group Photo with All Summit Participants**

11:15	PANEL 3 – Interactive Panel Discussion with Questions from the Audience CHAIR – Dr. Sergio Marensi (Argentina) PANELLISTS –Dr. Anders Karlqvist (Director, Swedish Polar Research Secretariat, Sweden), Dr. Jean-Robert Petit (France), Dr. Stephen Rintoul (Australia), Dr. Susan Solomon (United States), Dr. Antony Stark (United States); Professor Jörn Thiede (Former Director, Alfred-Wegener Institutes for Polar and Marine Research, Germany; Former President, Scientific Committee on Antarctic Research, Germany),
11:55	YOUNG SCHOLAR ESSAY: Ms. Kate Harris (Massachusetts Institute of Technology, United States) – 1 st Place Winner of the APECS Essay Contest and Winner of The Explorers Club Sponsorship
12:00	LUNCH
<hr/>	
13:00	PLENARY 4 – SCIENTIFIC ADVICE IN THE ANTARCTIC TREATY SYSTEM: Chaired by Dr. Yeadong Kim (Former Director of the Korean Polar Research Institute, Republic of Korea) <ul style="list-style-type: none"> • “Sustainable Management in the Southern Ocean” – Professor Denzil Miller, (Institute of Antarctic and Southern Ocean Studies, University of Tasmania, Hobart Australia) • “Managing the Antarctic Environment – National and International Responsibilities” – Dr. Olav Orheim (Senior Adviser, Research Council of Norway and Former Chair of the Committee on Environmental Protection, Norway) • “New Frontiers and Future Directions in Antarctic Research” – Professor Mahlon C. Kennicutt II (Professor, Department of Oceanography, Texas A & M University and President, Scientific Committee on Antarctic Research, United States)
14:15	PANEL 4 – Interactive Panel Discussion with Questions from the Audience CHAIR – Dr. Yeadong Kim (Director Emeritus, Korean Polar Research Institute, Republic of Korea) PANELLISTS – Professor Mahlon C. Kennicutt II (United States), Mr. Michael Lang (Director, Smithsonian Marine Science Network; Director, Smithsonian Scientific Diving program; Office of the Under Secretary for Science, Smithsonian Institution, United States); Professor Denzil Miller (Australia), Dr. Olav Orheim (Norway); Dr. Peter Prokosch (Managing Director, United Nations Environmental Programme / GRID-Arendal, Norway)
15:00	COFFEE
<hr/>	
15:30	PLENARY 5 – INTERNATIONAL COOPERATION IN ANTARCTICA: Chaired by Professor A.H. Zakri (Director of the Centre on Global Sustainability Studies, Universiti Sains; Vice President, Third World Academy of Sciences; Former Director, United Nations University – Institute of Advanced Studies, Malaysia) <ul style="list-style-type: none"> • "Addressing Global Science Questions Through International Collaboration" – Dr. Karl Erb (Director, Office of Polar Programs, National Science Foundation, United States) • “The importance of Logistics and the role of COMNAP” – Dr. José Retamales, (Director, Chilean Antarctic Institute and Chair of the Council of Managers of National Antarctic Programs – COMNAP, Chile) • “The ATCM: Where is it Headed after Establishment of the Antarctic Treaty Secretariat?” – Mr. Jan Huber (Former Executive Secretary, Antarctic Treaty Secretariat, The Netherlands) • “Public Participation in Antarctica: Role of Non-Governmental Organizations” – Dr. Harlan Cohen (Advisor on Ocean Governance and International Institutions, International Union for the Conservation of Nature, United States)
16:45	PANEL 5 – Interactive Panel Discussion with Questions from the Audience CHAIR – Professor A.H. Zakri (Malaysia) PANELLISTS –Dr. Harlan Cohen (New Zealand), Dr. Karl Erb (United States), Mr. Jan Huber (Netherlands), Ms. Denise Landau (Former Executive Director, International Association of Antarctica Tour Operators, United States), Dr. Timothy McCoy (Curator-in-Charge, National Meteorite Collection, Smithsonian Institution, United States), Dr. José Retamales (Chile)
<hr/>	
19:30-22:00	NATIONAL AIR AND SPACE MUSEUM

- 19:30-22:00 GOLDEN ANNIVERSARY GALA FOR THE ANTARCTIC TREATY – SPONSORED BY TRANSPOLAR (A RAYTHEON / AECOM COMPANY) AND THE EISENHOWER INSTITUTE OF GETTYSBURG COLLEGE**
- 20:15-20:35 GALA PRESENTATIONS**
- **Introductions – Professor Paul Berkman** (Chair, International Board for the Antarctic Treaty Summit)
 - **Race for Space Hall of the National Air and Space Museum – Dr. Roger D. Launius** (Senior Curator of the NASM Division of Space History Smithsonian Institution)
 - **Smithsonian Institution Welcome – Dr. Scott Miller** (Acting Under Secretary for Science, Smithsonian Institution)
 - **Summit Sponsor Welcome - Mr. Sam Feola** (President, TransPolar)
 - **Reminisces of President Dwight D. Eisenhower – Ms. Susan Eisenhower** (Chairman Emeritus of the Eisenhower Institute and Grand-daughter of President Eisenhower)
 - **Tinker Foundation – Martha Muse Prize for Antarctic Policy and Research – Ms. Renate Rennie** (Chairman and President, The Tinker Foundation)
- 19:30-22:00 POSTER SESSION – SPONSORED BY THE UNITED STATES NATIONAL SCIENCE FOUNDATION**
- 19:30-22:00 ANTARCTIC MUSIC BY RIVE GAUCHE – SPONSORED BY THE UNITED STATES GEOLOGICAL SURVEY AND STANFORD UNIVERSITY SCHOOL OF EARTH SCIENCES**

DAY 3 – WEDNESDAY, 2 DECEMBER 2009

SCIENCE AND THE GOVERNANCE OF INTERNATIONAL COMMONS

These sessions will explore the interplay of the Antarctic Treaty and other international institutions that are being adopted to manage human activities on a planetary scale, consider the lessons from the Antarctic Treaty, and recognize the importance of science in providing a sound basis for managing our future.

09:00-17:30 NATIONAL MUSEUM OF NATURAL HISTORY BAIRD AUDITORIUM

- 09:00 PLENARY 6 – INSTITUTIONAL INTERPLAY: INTERACTIONS BETWEEN THE ANTARCTIC TREATY SYSTEM AND OTHER INTERNATIONAL REGIMES: Chaired by Professor Takashi Yamanouchi** (Head of International Affairs Section and Polar Data Center, National Institute of Polar Research; Member, ICSU/WMO Joint Committee for the International Polar Year, Japan)
- “Ocean Dumping and the Antarctic: Tangled Legal Currents, Sea of Challenges” – **Professor David VanderZwaag** (Chair of Ocean Law and Governance, Dalhousie University, Canada)
 - “Natural Resources: International Convention for the Regulation of Whaling” – **Dr. Nicola Grandy** (Secretary, International Whaling Commission, United Kingdom)
 - “Global Change: Montreal Protocol on Substances that Deplete the Ozone Layer.” **Mr. Stephen O. Andersen** (Co-Chair, Technology & Economic Assessment Panel, Vienna Convention for the Protection of the Ozone Layer and the Montreal Protocol, United States)
- 10:15 COFFEE**
- 10:45 PANEL 6 – Interactive Panel Discussion with Questions from the Audience**
CHAIR – Professor Takashi Yamanouchi (Japan)
PANELLISTS – Ambassador Jorge Berguño (Chile), **Dr. Nicola Grandy** (United Kingdom), **Mr. Stephen O. Andersen** (United States), **Professor David VanderZwaag** (Canada), **Professor Hanling Wang** (International Law and Marine Affairs, Chinese Academy of Social Sciences, China)

11:40	YOUNG SCHOLAR ESSAY: Ms. Indi Hodgson-Johnston (Institute of Antarctic and Southern Ocean Studies, University of Tasmania, Australia) – 2 nd Place Winner of the APECS Essay Contest)
11:45	LUNCH
<hr/>	
12:45	<p>PLENARY 7 – GOVERNING INTERNATIONAL SPACES: LESSONS FROM ANTARCTICA: Chaired by Professor Oran Young (Professor, Bren School of Environmental Science & Management, University of California Santa Barbara and Chair of the International Human Dimensions Programme on Global Environmental Change, United States)</p> <ul style="list-style-type: none"> • “Outer Space as International Space” – Professor Armel Kerrest (Head, Department of Public Law, University of Western Brittany, France) • “Earth System Information and Common Concerns of Humanity” – Dr. Robert Chen (Director, Center for International Earth System Information Network at Columbia University; Secretary General, Committee on Data for Science and Technology, United States) • “Common Interests in the Oceans” – Judge Rüdiger Wolfrum (Director, Max Planck Institute for Comparative Public Law and International Law and Former President, International Tribunal for the Law of the Sea, Germany)
14:00	<p>PANEL 7 – Moderated Panel Discussion CHAIR – Professor Oran Young (United States), PANELLISTS – Dr. Robert Chen (United States); Judge Vladimir Golitsyn (Judge, International Tribunal for the Law of the Sea, Russian Federation); Professor Armel Kerrest (France), Judge Rüdiger Wolfrum (Germany)</p>
15:00	COFFEE
<hr/>	
15:30	<p>SUMMIT PLENARY SYNTHESIS – ANTARCTICA AND GLOBAL STEWARDSHIP CHAIR – Dr. Robert Corell (Director Global Change Program, H. John Heinz Center for Science, Economics and the Environment and Chair of the Arctic Climate Impact Assessment, Arctic Council and International Arctic Science Committee, United States) PANELLISTS – Mr. James Barnes (Executive Director, Antarctic Southern Ocean Coalition, France), Professor Christopher Joyner (Professor of Government and Foreign Service, Georgetown University, United States); Ambassador Helena Odmark (Ambassador for Arctic and Antarctic, Senior Arctic Official of Sweden, Ministry for Foreign Affairs, Sweden), Professor Jörn Thiede (Former Director, Alfred-Wegener Institutes for Polar and Marine Research, Germany; Former President, Scientific Committee on Antarctic Research, Germany)</p>

DAY 4 – THURSDAY, 3 DECEMBER 2009

APPLYING LESSONS LEARNED FROM THE ANTARCTIC TREATY SUMMIT

Two workshops and a luncheon dialogue will begin to integrate lessons learned from the *Antarctic Treaty Summit* plenaries with regard to topics and regions of international governance that have immediate and legacy value for all humanity.

08:00-17:00	PARALLEL WORKSHOPS (GRAND HYATT WASHINGTON)
<hr/>	
09:00-17:00	WORKSHOP 1: ARCTIC GOVERNANCE: LESSONS FROM THE ANTARCTIC Convened by the Aspen Institute (Arctic Dialogue and Commission) and Arctic Governance Project in Cooperation with the Royal Society
09:00-17:00	WORKSHOP 2: HISTORY OF INTERNATIONAL SPACES Convened by the Scientific Committee on Antarctic Research – History Action Group and the American Geophysical Union – History Section
12:30-14:00	LUNCHEON DIALOGUE: SCIENCE-POLICY COMMUNICATION PATHS Convened by the Association of Polar Early Career Scientists

WORKSHOP

“History of International Spaces”

Antarctic Treaty Summit

Washington, D.C., 3 December 2009

In connection with the Antarctic Treaty Summit celebrating the 50th Anniversary of the Antarctic Treaty, the History Action Group of the Scientific Committee on Antarctic Research and History Committee of the American Geophysical Union invite papers to be presented on the theme “History of International Spaces” at a workshop to be held in Washington, D.C., on 3 December 2009. The joint workshop is open for any presentation on the history of international spaces, history of polar research or history of geophysics.

People have divided the earth geographically for millennia. Some of the divisions have been political, as when nations set their boundaries and then extend those boundaries to create empires. Scientists have also divided the earth into spaces depending on a number of attributes or purposes including magnetic fields, temperature and humidity distributions, geomorphology, flight paths, and ocean currents. However, fifty years ago, Antarctica and the high seas were the only international spaces beyond national jurisdictions. Since then we have also seen the designation of outer space and the deep sea as other regions beyond sovereign jurisdictions. The future will bring additional solutions for international spaces and other strategies for solving transboundary issues to be shared and examined by all peoples without national claims. It is in this spirit, that we encourage papers that address scientific discovery, particularly geophysical, that surpasses national boundaries and takes place in international spaces.

ORGANIZERS

Dr. Cornelia Luedecke – Scientific Committee on Antarctic Research / History Group and Centre for the History of Science, University of Hamburg, Germany (C.Luedecke@lrz.uni-muenchen.de)

Prof.. Kristine Harper – American Geophysical Union / History Group and Department of History, Florida State University, United States (kcharper@fsu.edu)

WORKSHOP

“Arctic Governance: Drawing Lessons from the Antarctic”

Antarctic Treaty Summit

Washington, D.C., 3 December 2009

In connection with the Antarctic Treaty Summit celebrating the 50th Anniversary of the Antarctic Treaty, the Aspen Institute and Arctic Governance Project in cooperation with the Royal Society invite papers to be presented on the theme “Arctic Governance: Drawing Lessons from the Antarctic” at a workshop to be held in Washington, D.C., on 3 December 2009. The workshop is open for brief (10 minute) presentations on: (1) parallel or differing aspects regarding the development and implementation of the Antarctic Treaty and current Arctic governance; (2) lessons learned from Antarctic governance that could be applied in the Arctic; or (3) other aspects that can be drawn from the political, legal or ecological management of the Antarctic that are relevant to inform Arctic governance.

The circumpolar Arctic is experiencing significant ecological change related to climate change, and will likely face transformative impacts over the next century that will significantly expand the scope of activities that are currently present in the Arctic. Realization of this fact has prompted intensifying international discussion as to whether the existing Arctic governance arrangements are adequate to manage these changes in an equitable and sustainable manner. The five coastal Arctic States have affirmed their support for the United Nations Convention on the Law of the Seas as the primary arbiter for international law in the Arctic, and have rejected calls for a new international treaty to govern the Arctic Ocean. However, some in the international community and other civil society groups continue to support the potential for a new international treaty, or for the very least, for new international arrangements that are sufficient to govern the Arctic with regards to the use, management and research of the Arctic ecosystem. Understanding the primary differences between the Arctic and the Antarctic, namely that the Arctic Ocean is bounded by sovereign nations, we invite papers that address key similarities and differences between the Antarctic and the Arctic that may inform ongoing discussions regarding Arctic governance.

ORGANIZERS

Mr. David Monsma – Executive Director, Energy and Environment Program, The Aspen Institute, United States (david.monsma@aspeninstitute.org)

Prof. Oran Young – Bren School of Environmental Science & Management, University of California Santa Barbara, United States (young@bren.ucsb.edu).

LUNCHEON DIALOGUE

“Building Bridges: Communicating Science with Policy-Makers”

Antarctic Treaty Summit

Washington, D.C., 3 December 2009

How can researchers best engage with Antarctic policy and policy-makers? An interdisciplinary panel of experts who have successfully transcended the barriers between science and policy will address this and other questions during this luncheon organized by the Association of Polar Early Career Scientists (APECS).

Because Antarctic policy is determined by a complex, multilateral system of international governance, rather than a single national government, many young scientists and scholars are uncertain how they can become involved in policy-making, or how their research can inform policy decisions. The panellists will share their experiences and insights about: (a) fostering practical and productive dialogues between researchers and policy-makers; (b) facilitating policy decisions in sensitive political climates; and (c) communicating science more effectively to the public.

This luncheon will provide a forum for young scholars to meet and learn from policy-makers, senior scientists already engaged in policy and others who are actively contributing to the cooperative governance of this unique international commons. Participants also may raise questions about the Arctic and other extant or potential venues for international governance.

The workshop will open with brief introductory statements from each panel member followed by an active interchange of ideas and questions with the audience. Participants are strongly encouraged to come with questions prepared. This session will take place during the lunch break on December 3, making it possible to sign up for both this luncheon and the Antarctic Treaty Summit workshops.

APECS ORGANIZERS:

Mr. Jason Davis – Department of Geography and Byrd Polar Research Center, The Ohio State University, United States (bigjmdavis@gmail.com);

Ms. Kate Harris – Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology, United States (kjharris@mit.edu);

Ms. Indi Hodgson-Johnston – School of Law & School of Government, University of Tasmania, Australia (ihodgson@postoffice.utas.edu.au);

Ms. Jaehee Kim – Korean Minjok Leadership Academy, South Korea (jaeheekim11@yahoo.com);

Dr. Daniela Haaase Liggett – Department of Geography & Gateway Antarctica, University of Canterbury, New Zealand (daniela.haase@canterbury.ac.nz)