



Appendices

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IPY Joint Committee Members Biographies

Invited Members

Ian Allison (*JC Co-Chair, 2004–2009*) is a research scientist and leader of the Ice, Ocean, Atmosphere and Climate Program of the Australian Antarctic Division (retired). He has studied the Antarctic for over 40 years, participated in or led more than 25 research expeditions to the Antarctic, and published over 100 papers on Antarctic science. His research interests include the interaction of sea ice with the atmosphere and ocean; the dynamics and mass budget of the East Antarctic ice sheet; melt, freezing, and ocean circulation beneath floating ice shelves; and Antarctic weather and climate (Australian Antarctic Division and Antarctic Climate Ecosystems Cooperative Research Centre, Hobart, Australia).



Michel Béland (*JC Co-Chair, 2004–2010*) is a meteorologist specializing in the field of atmospheric dynamics and numerical weather prediction. From January 1973 until his retirement in July 2008, he was with Environment Canada—first as a meteorologist, then as a research scientist in the field of predictability and global atmospheric modelling, and eventually as Director General, Atmospheric Science and Technology. He served in many leadership positions on the Commission of Atmospheric Sciences of the World Meteorological Organization and was re-elected as its President in November 2009. He is a past President (1995) of the Canadian Meteorological and Oceanographic Society. His interests are in the field of environmental prediction and seamless or integrated modelling (Science and Technology Branch Environment Canada, Montreal, Canada).



Jerónimo López-Martínez (*JC Co-Chair, 2009–2010*) is an Antarctic geologist and Professor of Geology at the Universidad Autónoma de Madrid. He has been involved in Antarctic research since 1989, and has participated in nine field expeditions. His current research interest is in the evolution of relief, linking neotectonics and geomorphology, as well as recent and active geological processes in the Antarctic Peninsula region. He is President of the Spanish National Committee for the Scientific Committee on Antarctic Research (SCAR). He served as Past Vice-President of SCAR and has occupied several positions in the European Polar Board, Council of Managers of National Antarctic Programs (COMNAP), and the Committee of Environmental Protection of the Antarctic Treaty (Faculty of Sciences, Universidad Autónoma de Madrid, Madrid, Spain).





Robin Bell is a Doherty Senior Research Scientist at Columbia University Lamont-Doherty Earth Observatory. She received her doctorate in marine geophysics from Columbia University. Bell has coordinated eight major aero-geophysical expeditions to Antarctica, studying what makes ice sheets collapse. Using data collected from small ski-equipped aircraft and satellite data she has discovered a volcano beneath the West Antarctic ice sheet. Working with colleagues from the National Aeronautics and Space Administration and the University of New Hampshire, she identified several new lakes. During IPY 2007–2008, she led the Antarctica's Gamburtsev Province (AGAP) expedition to the Gamburtsev Mountains and the top of the East Antarctic ice sheet (Lamont-Doherty Earth Observatory, Columbia University, New York, U.S.A.).



Kjell Danell is an animal ecologist and professor at the Swedish University of Agricultural Sciences in Umeå. He has spent most of his life in the North with a great interest in the boreal forest and tundra ecosystems. His scientific focus is on plant-herbivore-human interactions, especially issues on conservation and sustainable use of forests, wildlife, and fish resources. He has done field research in Fennoscandia, the Canadian and Russian Arctic, Alaska and Kamchatka, and participated in international activities such as the Arctic Climate Impact Assessment and the Millennium Ecosystem Assessment (Department of Wildlife, Fish and Environmental Studies, Swedish University of Agricultural Sciences, Umeå, Sweden).



Eberhard Fahrbach is an oceanographer, head of the Observational Oceanography at the Alfred Wegener Institute, and scientific coordinator of RV *Polarstern*. He studied Physics at the University of Heidelberg and later Physical Oceanography in Kiel. After working in a programme on coastal and equatorial upwelling processes, he obtained his doctorate in 1984 with a thesis on the heat budget of the equatorial Atlantic. In 1986, Dr. Fahrbach moved to the Alfred Wegener Institute in Bremerhaven, Germany where he investigated circulation and water mass formation in polar oceans with many cruises to the Greenland and Weddell Seas (Alfred Wegener Institute, Bremerhaven, Germany).



Edith Fanta (1944–2008) served as a member of the IPY Joint Committee from 2004 and until her death in May 2008. She was marine biologist specializing in fishes, and she was Chair of the Scientific Committee of the Commission for the Conservation of Antarctic Marine Living Resources. In 2005, she organised the 9th SCAR International Biology Symposium at the Universidade Federal do Paraná, the first such meeting in South America. In addition to her activities in various international committees, she led Working Group 5 of SCAR's Scientific Research Programme on Evolution and Biodiversity in the Antarctic, which deals with the impact of past, current, and predicted environmental change on biodiversity and ecosystem function (Universidade Federal do Paraná, Curitiba, Brazil).

Yoshiyuki Fujii is Director General of the National Institute of Polar Research, Japan and a climatologist with interest in changes in global climate and environment through ice core from Antarctica, Arctic and high mountains, including volcanic signals in ice cores, their effects on climate, and geochemical cycles in polar region. He has been the Head of Arctic Environment Research Center, National Institute of Polar Research (1997–2004) and the Science Adviser to the Japanese Ministry of Education, Culture, Sports, Science and Technology (in 2000–2006). He has worked on research projects in Antarctica, Siberia, Svalbard, Greenland, Nepal Himalayas, and Alaska. He served on the IPY Joint Committee in 2005–2006 (National Institute of Polar Research, Tokyo, Japan).



Grete Kaare Hovelsrud is an anthropologist and a senior researcher at the Center for International Climate and Environmental Research-Oslo (CICERO). She has worked in the Arctic for more than 25 years in a number of disciplines (quaternary geology, reindeer ecology, marine geology, and social anthropology). After a number of years as General Secretary to the North Atlantic Marine Mammal Commission, she began her research on the consequences of climate change on local communities in the Arctic. She is a member of the International Arctic Social Sciences Association (IASSA) Council, as well as the Norwegian IPY National Committee (Center for International Climate and Environmental Research, Oslo, Norway).



Vladimir Kotlyakov is Professor of Geography, Director of the Institute of Geography, and also a member of the Russian Academy of Sciences. He is polar glaciologist and geographer, and has studied icesheets, glaciers, sea ice, permafrost, and other elements of glaciology in the Arctic and the Antarctic for more than 50 years. He was a member of the Russian team during the International Geophysical Year 1957–1958 and has received numerous honours and honorary degrees in Russia and from international scientific academies and geographical societies. Professor Kotlyakov is honorary President of the Russian Geographical Society (Institute of Geography, Russian Academy of Sciences, Moscow, Russia).



Igor Krupnik is a cultural anthropologist and curator of Arctic ethnological collections at the Smithsonian Institution in Washington, DC. Trained as physical geographer and ecological anthropologist, he conducted fieldwork in Alaska and along the Russian Arctic coast. His interests include traditional ecological knowledge, social systems, and cultural heritage of Arctic people; climate change and indigenous observations of the sea ice and ecosystem dynamics, primarily in the Western Arctic. He coordinated several projects on the impacts of climate change, preservation of cultural heritage, and ecological observations of Arctic people. He was a founding member of IASSA and served on the IASSA Council in 2004–2008 to foster IASSA's involvement in IPY (Arctic Studies Center, Smithsonian Institution, Washington, D.C., U.S.A.).





Tillmann Mohr is a mathematician, physicist, and meteorologist. He joined the Deutscher Wetterdienst in 1965 and was appointed its President in 1992. His involvement in satellite activities started in 1971 with the European Space Research Organisation, later with the European Space Agency as member and chairman of working groups and programme boards of the METEOSAT Programme. After the establishment of EUMETSAT in 1986, he headed the German delegation to the EUMETSAT Council and was the chairman of the Policy Advisory Committee of EUMETSAT. In 1995–2004, he served as Director-General of EUMETSAT; then as Special Advisor to the Secretary-General of WMO on Satellite Matters, and in 2010, as Special Advisor on the Global Framework for Climate Services (European Organisation for the Exploitation of Meteorological Satellites, retired, Germany).



Dahe Qin specializes in physical processes and biogeochemistry in snow and ice. He developed his career by studying snow-ice processes on glaciers and the Antarctic ice sheet. In 1995, he was elected as a Lead Author for the Intergovernmental Panel on Climate Change (IPCC) and, in 2002, was elected as Co-Chair of IPCC Working Group I for the Fourth Assessment Report (AR4). Dr. Qin has published ca. 250 papers and received many awards. He has been Director General of the Laboratory of Ice Core and Cold Regions Environment in the Chinese Academy of Sciences since 1992. In 2000, he became the Administrator of the China Meteorological Administration and the Permanent Representative of China to WMO (China Meteorological Administration, Beijing, China).



Chris Rapley is Director of the Science Museum London and Professor of Climate Science at University College London. This follows a decade as Director of the British Antarctic Survey, and four years as Executive Director of the International Geosphere-Biosphere Programme (IGBP) at the Royal Swedish Academy of Sciences in Stockholm. Prior to that, he was Professor of Remote Sensing at University College London. His interests are in climate change and Earth system science. He served as President of the Scientific Committee for Antarctic Research and as Chair of the ICSU Planning Group for International Polar Year in 2003-2004. He was awarded an honorary D.Sc. from the University of Bristol and received the 2008 Edinburgh Science Medal (The Science Museum, London, U.K.).



Takashi Yamanouchi is Vice-Director and Professor in atmospheric science and polar climatology at the National Institute of Polar Research. He is also a professor in the Department of Polar Science at the Graduate University for Advanced Studies. He has wintered in the Antarctic three times as a member of Japanese Antarctic expeditions, and is a leader of the 52nd Expedition in 2010-11. In addition, Dr. Yamanouchi has coordinated Arctic research observation projects such as the Arctic Study of Tropospheric Aerosol and Radiation. His research interests are in radiation, material cycling, atmospheric circulation, and cloud and sea ice climatology with satellite remote sensing. He is currently the Japanese Delegate to SCAR (National Institute of Polar Research, Tokyo, Japan).

Ex officio members:

Keith Alverson (IOC) is Director of the Global Ocean Observing System (GOOS) program office and head of ocean observations and services section at the Intergovernmental Oceanographic Commission (IOC) of UNESCO in Paris, France. He received his Ph.D. in Physical Oceanography from the Massachusetts Institute of Technology-Woods Hole Joint Program in 1995. Dr. Alverson has participated in several ocean field expeditions, including to the Arctic and Antarctic, and carried out modelling, statistical, and synthesis studies in physical oceanography and paleoclimatology. He was previously Director of the Past Global Changes project of IGBP (Intergovernmental Oceanographic Commission, Paris, France).



Paul Cutler (ICSU) is a geomorphologist, meteorologist, and Quaternary geologist and has conducted research in elevated and cold parts of Asia, North America, Europe, and Antarctica. As Science Officer with ICSU, he is responsible for scientific planning and review across the breadth of ICSU-sponsored activities and in particular for ICSU's engagement in IPY 2007–2008. He joined ICSU in 2007 from the U.S. National Academy of Sciences where he directed projects in polar, atmospheric, and Earth sciences. Dr. Cutler's earlier research in geology and geophysics involved numerical modelling of quaternary ice sheets and permafrost, sedimentology of glacial deposits, and climate-water-ice dynamics in modern glacial environments (International Council for Science, Paris, France).



Leah Goldfarb (ICSU) is an atmospheric scientist and a Science Officer with ICSU working on issues related to the environment and sustainable development. She coordinates among the ICSU environmental bodies, e.g. the Global Environmental Change Programmes, has represented the scientific and technological community at international fora, and liaises with the United Nations Environment Programme. Before joining ICSU in 2002, she performed atmospheric research in the U.S. and Europe. Dr. Goldfarb represented ICSU on the IPY Joint Committee in 2005–2006 (International Council for Science, Paris, France).



Mahlon C. (Chuck) Kennicutt II (SCAR) is Professor of Chemical Oceanography and Director (1997–2004) of the Geochemical and Environmental Research Group at Texas A&M University. He was to Antarctica six times, participated in six submersible dives, and has a project at McMurdo Station, Antarctica. He is the U.S. Delegate to SCAR and was elected as President of SCAR for 2008–2012. He has held various offices, including SCAR Vice President for Finance and Scientific Affairs, Chair of the Delegates Committee on Scientific Affairs, and Secretary of the SCAR Scientific Research Program on Subglacial Antarctic Lake Environments. He also served as a science advisor to the U.S. Department of State Antarctic Treaty Delegations since 2002 (Texas A&M University, College Station, TX, U.S.A.).





Volker Rachold (IASC) is a geochemist with a Ph.D from Göttingen University, Germany. From 1994 he worked at the Alfred Wegener Institute in Potsdam and Bremerhaven, Germany, and led eight land- and ship-based Russian-German expeditions. His research focused on land-ocean interactions in the Siberian Arctic. In 2006, he became Executive Secretary of the International Arctic Science Committee (IASC) (International Arctic Science Committee, Potsdam, Germany).



Eduard Sarukhanian (WMO) graduated from the State Marine Academy in Leningrad/St. Petersburg, Russia as an oceanographer. He started his polar career at the Arctic research observatory in Tiksi, Russia, and has continued studies of the polar regions at the Arctic and Antarctic Research Institute in St. Petersburg, as a research scientist at the ice-drifting station “North Pole-19” (1969-70), head of three Russian Arctic and Antarctic marine expeditions, and head of the Soviet-American expedition “Weddell Polynia” in 1981. In 1984, Dr. Sarukhanian moved to the WMO Secretariat in Geneva where he worked as chief of the Observing System division and Director of World Weather Watch–Applications Department. Since 2004, he served as Special Adviser to the WMO Secretary-General on IPY (World Meteorological Organization, Geneva, Switzerland).



Colin Summerhayes (SCAR) is an oceanographer and marine geologist and was the Executive Director of SCAR from 2004 to 2010. He is President of the Society for Underwater Technology, Vice President of the Geological Society of London, and an Emeritus Associate of the Scott Polar Research Institute of Cambridge University. Prior to his position with SCAR, Dr. Summerhayes worked in academia, government, and industry in several countries, and for UNESCO in Paris. He has served on many national and international scientific management committees, and is a past Member of the Steering Committee for the Global Climate Observing System (Scientific Committee on Antarctic Research, retired, Cambridge, U.K.).



Odd Rogne (IASC) came into polar research in 1979 as Deputy Director of the Norwegian Polar Institute (Norsk Polarinstitutt) in Tromsø, Norway, with a background in economics and naval operations. He served as the Institute Director in 1983–1991. He was one of the founders of COMNAP, FARO and he played crucial role in the creation of IASC in 1990. He served as the Executive Secretary of IASC from 1990 until 2006 and was also the Norwegian delegate to SCAR for several years. He represented IASC on the Joint Committee until 2006 and subsequently served as Senior Advisor to IPY IPO (Arctic Monitoring and Assessment Programme Secretariat, retired, Oslo, Norway).

Observers:

Johannes Huber (ATCM) was the Executive Secretary of the Antarctic Treaty Secretariat until 2009. After pursuing an educational career that led him from physics via political science to Chinese history, he joined the Netherlands Foreign Service in 1979. From 1997 to 2004 he was the Dutch representative in the Antarctic Treaty Consultative Meeting (ATCM) and the Arctic Council, and from 2004 and until his retirement in 2009 he served as the first Executive Secretary of the Antarctic Treaty Secretariat in Buenos Aires, Argentina. He served as the ATCM Observer on the JC in 2005–2008.



Helena Ödmark (AC) is a Swedish diplomat. After graduating from Stockholm School of Economics, she served in various positions at the Foreign Ministry and at diplomatic missions abroad, including as ambassador to Mozambique and Swaziland. In 2003, she was appointed “Senior Arctic Official” for Sweden in the Arctic Council. She also leads the Swedish delegations to the Antarctic Treaty Consultative Meetings and the Commission on the Conservation of Antarctic Marine Living Resources. Ambassador Ödmark chaired the Scientific Advisory Board for the Abisko Scientific Research Station of the Royal Swedish Academy of Sciences 2004–2008 and was a member of the Swedish national IPY committee. In 2007, she took over from ambassador Vitaly Churkin of Russia as the AC Observer on the JC (Ministry for Foreign Affairs, Stockholm, Sweden).



Manfred Reinke (ATCM) is Executive Secretary of the Antarctic Treaty Secretariat in Buenos Aires, Argentina (since April 2009). He has a Ph.D. in marine biology and started his polar career at the Institute for Polar Ecology in Kiel, Germany. He worked at the Alfred Wegener Institute for Polar and Marine Research (AWI), in Bremerhaven, Germany, in 1986–2009 and was one of the designers of the ‘Publishing Network for Geoscientific and Environmental Data’ (PANGAEA) used by the World Data Center for Marine Environmental Sciences as a repository. He was a member of the SCAR *ad hoc* Planning Group on Antarctic Data Management and later of the Joint Committee on Antarctic Data Management (JCADM) within SCAR; he also served on various European and international data management committees.



IPY Endorsed Projects as of May 2010

(231 in total, of which 3 have been withdrawn (those highlighted in red)).

Activity ID	Title	Geographical Focus	Category
6	Dynamic Social Strategies in Arctic Environments: Long-term Perspectives on Movement and Communication	Arctic	people
8	Synoptic Antarctic Shelf-Slope Interactions Study	Antarctic	ocean
10	Large Scale Historical Industrial Exploitation of Polar Areas	Bipolar	people
11	Arctic Wildlife Observatories Linking Vulnerable EcoSystems	Arctic	land
13	Sea level and tidal science in the polar oceans	Bipolar	ocean
14	Integrated Arctic Ocean Observing System	Arctic	ocean
16	Hydro-sensor-FLOWS Arctic and antarctic glacier hydrosystems as natural sensors for recent climatic variations	Bipolar	ice
19	Metal pollution in Canadian High Arctic: Pollution trend reconstruction of noble metals (Pd and Pt)	Arctic	atmos
20	Air-Ice Chemical Interactions – IPY coordinated studies	Bipolar	ice
21	U.S. National Park Service. Understanding environmental change and its biological, physical, social, subsistence and cultural effects in national parks and protected areas of Alaska, Chukotka, and the Yukon, through research, monitoring, education and outreach	Arctic	land
22	POLARSTERN expedition “HERMES - the Nordic margin” in the framework of the EU funded Integrated Project HERMES (Hotspot Ecosystem Research on the Margins of European Seas)	Arctic	ocean
23	Bipolar Atlantic Thermohaline Circulation	Bipolar	ocean
26	The Pan Arctic cluster for Climate forcing of the Arctic Marine Ecosystem	Arctic	ocean
27	Changing Trends in Polar Research as Reflected in the History of the International Polar Years	Bipolar	people
28	Climate of the Arctic and its role for Europe/Arctic System Reanalysis	Arctic	atmos
29	The Bering Strait, Rapid Change, and Land Bridge Paleoecology	Arctic	land
30	Representations of Sami in Nineteenth Century Polar Literature: The Arctic ‘Other’	Arctic	people
32	POLar study using Aircraft, Remote sensing, surface measurements and modelling of Climate, chemistry, Aerosols and Transport (POLARCAT)	Arctic	atmos
33	Antarctic and sub-Antarctic Permafrost, Periglacial and Soil Environments	Antarctic	land
34	Impact of CLimate induced glacial melting on marine and terrestrial COastal communities on a gradient along the Western Antarctic PENinsula	Antarctic	ocean
35	International Polar Year GEOTRACES: An international study of the biogeochemical cycles of Trace Elements and Isotopes in the Arctic and Southern Oceans	Bipolar	ocean
36	ARCTIC OCEAN WARMING IN THE PAST	Arctic	ice
37	The dynamic response of Arctic glaciers to global warming	Arctic	ice
38	Ocean-Atmosphere-Sea Ice-Snowpack Interactions affecting Atmospheric Biogeochemistry and Ecosystems in the Arctic	Arctic	ice
39	Arctic Palaeoclimate and its EXtremes	Arctic	ice
40	Developing Arctic Modelling and Observing Capabilities for Long-term Environmental Studies	Arctic	ocean
41	Concordia, a new French-Italian facility for international and long-term scientific activities on the Antarctic Plateau	Antarctic	atmos

Activity ID	Title	Geographical Focus	Category
42	Subglacial Antarctic Lake Environments – Unified International Team for Exploration and Discovery	Antarctic	ice
45	POLAR: WMT Paving the way for Online Learning in Arctic Regions using Wireless & Mobile Technologies	Arctic	education
46	Traditional Indigenous Land Use Areas in the Nenets Autonomous Okrug, Northwest Russia	Arctic	people
48	International Study of Arctic Change	Arctic	ocean
49	International Polar Year (IPY) Data and Information Service (DIS) for Distributed Data Management	Bipolar	data
50	Permafrost Observatory Project: A Contribution to the Thermal State of Permafrost (TSP-125)	Bipolar	land
51	International Polar Year Publications Database	Bipolar	education
52	Antarctic Biological And Earthquake Science (ABES): Southern Ocean Broadband Seismo/Acoustic Observatories	Antarctic	ocean
53	A Census of Antarctic Marine Life	Antarctic	ocean
54	Antarctic Climate Evolution	Antarctic	land
55	Microbiological and Ecological Responses to Global Environmental Changes in Polar Regions	Bipolar	land
56	Quantifying the relationship of solar variability with the atmosphere, weather and climate (particularly via the global electric circuit and ozone variability associated with solar activity)	Bipolar	space
58	Change and variability of Arctic Systems Nordaustlandet, Svalbard	Arctic	ice
59	Terrestrial ecosystems in ARctic and ANtarctic: Effects of UV Light, Liquefying ice, and Ascending temperatures	Bipolar	land
63	ICESTAR/IHY – Interhemispheric Conjugacy in Geospace Phenomena and their Heliospheric Drivers	Bipolar	space
66	ANDEEP – SYSTCO (Antarctic benthic DEEP-sea biodiversity: colonisation history and recent community patterns – SYSTem COupling)	Bipolar	ocean
67	Origin, evolution and setting of the Gamburtsev subglacial highlands: Exploring an unknown Antarctic territory	Antarctic	land
69	International Congress of Arctic Social Sciences VI in Nuuk, 2007–2008.	Arctic	education
70	Monitoring of the upper ocean circulation, transport and water masses between Africa and Antarctica.	Antarctic	ocean
71	Polar Aquatic Microbial Ecology	Bipolar	ocean
72	Network for ARctic Climate and Biological DIVERSity Studies	Arctic	land
76	Atmospheric Monitoring Network for Anthropogenic Pollution in Polar Regions	Bipolar	atmos
77	Plate Tectonics and Polar Gateways in Earth History	Bipolar	land
78	Synchronized observations of Polar Mesospheric Clouds (PMC), Aurora, and other large-scale polar phenomena from the International Space Station (ISS) and ground sites.	Bipolar	space
79	IPY book series on environmental research	Bipolar	education
80	Determining breeding and exposition conditions for selected Arctic and Antarctic marine organisms at the Gdynia Aquarium in Gdynia, Poland.	Bipolar	education
81	Collaborative Research into Antarctic Calving and Iceberg Evolution	Antarctic	ice
82	LICHEN: The Linguistic and Cultural Heritage Electronic Network	Arctic	education
83	SCAR-MarBIN: the information dimension of Antarctic Marine Biodiversity	Antarctic	ocean

Activity ID	Title	Geographical Focus	Category
86	U.S. Geological Survey participation in the International Polar Year	Bipolar	land
88	Antarctic Surface Accumulation and Ice Discharge (ASAIID)	Antarctic	ice
90	Arctic Circum-Polar Coastal Observatory Network	Arctic	land
91	Global Inter-agency IPY Polar Snapshot Year (GIIPSY)	Bipolar	space
92	Integrated analyses of circumpolar Climate interactions and Ecosystem Dynamics in the Southern Ocean—International Polar Year	Antarctic	ocean
93	International Collaborative Expedition to collect and study Fish Indigenous to Sub-Antarctic Habitats, 2007	Antarctic	ocean
95	The state of the Arctic sea ice cover: Physical and biological properties and processes in a changing environment	Arctic	ice
96	Go Polar! An International Network of Children's Museums to Bring Polar Science to Children and Families	Bipolar	education
97	Investigating the Cryospheric Evolution of the Central Antarctic Plate (ICECAP): Internationally coordinated long-range aerogeophysics over Dome A, Dome C and the Aurora Subglacial Basin of East Antarctica	Antarctic	land
99	Ozone layer and UV radiation in a changing climate evaluated during IPY	Bipolar	atmos
100	'Polar Field Stations and IPY History: Culture, Heritage, Governance (1882-Present)'	Bipolar	people
104	The Arctic Hydrological Cycle Monitoring, Modelling and Assessment Program	Arctic	land
105	The State and Fate of the Cryosphere	Bipolar	ice
107	IPY in the Antarctic Peninsula – Ice and Climate [The APY, APICS, GLABENAP, and TRAPIS Expressions of Intent]	Antarctic	ice
108	Sea Ice from Space for IPY (Eol no. 921) Parent Activity: iA00S (Eol no. 80)	Arctic	ice
109	Geodynamics of the West Antarctic Rift System (WARS) in Remote Ellsworth Land and its implications for the stability of the West Antarctic Ice Sheet	Antarctic	land
110	Antarctic Mission: multi-media exploration of the science of climate change in Antarctica	Antarctic	education
112	Circumpolar Center for Learning and Indigenous Knowledge Systems	Arctic	education
113	Understanding deep permafrost: Interdisciplinary studies related to understanding the structure, geology, microbiology, thermal state, physical properties, and fluid fluxes in thick permafrost leading to a long term observatory.	Arctic	land
114	Climate change in the Arctic with special emphasis on Alaska	Arctic	ice
116	The Royal Society of Victoria's Two INTERNATIONAL Research Expedition Polar Inter-Disciplinary Voyages.	Antarctic	education
117	International Partnerships in Ice Core Science (IPICS)-International Polar Year Initiative	Bipolar	ice
118	The Greenland Ice Sheet; Stability, History and Evolution	Arctic	ice
120	Northern High Latitude Climate variability during the past 2000 years: implications for human settlement.	Arctic (sub)	ice
121	Improved numerical weather forecasting and climate simulations by exploitation of in-situ, airborne remote-sensing and satellite data, advanced modelling systems and basic research into polar processes and into polar-global interactions.	Primarily Arctic, but also Antarctic and western Pacific. The later is to investigate polar-global connections.	atmos
122	ECOSYSTEM WEST GREENLAND	Arctic	ocean
123	Glocalization – Language, Literature and Media among Inuit and Sami people 1. Language Planning, 2. Computer Assisted Linguistics, 3. From Oral Tradition to Rap, 4. Citizenship, Consumerism and Media	Arctic	people

Activity ID	Title	Geographical Focus	Category
124	Astronomy from the Polar Plateaus	Bipolar	space
125	Ice and snow mass change of Arctic and Antarctic polar regions using GRACE satellite gravimetry	Bipolar	ice
130	Bipolar Climate Machinery - A study of the interplay of northern and southern polar processes in driving and amplifying global climate as recorded in paleoclimate archives and their significance for the generation of realistic estimates of future climate	Bipolar	ocean
131	Integrated circumpolar studies of Antarctic marine ecosystems to the conservation of living resources	Antarctic	ocean
132	Climate of Antarctica and the Southern Ocean – Ocean Circulation Cluster	Antarctic	ocean
133	Circumpolar Biodiversity Monitoring Program	Arctic	land
134	Polar bear (<i>Ursus maritimus</i>) circumpolar health assessment in relation to toxicants and climate change	Arctic	ocean
135	A multidisciplinary and international conference with presentations focussed on technical and administrative issues associated with the protection and preservation of historic scientific bases and in particular earlier IPY stations in polar regions and taking the form of a series of presentations and discussions that will ultimately be published for distribution in book and electronic form.	Bipolar	education
137	Evolution and Biodiversity in the Antarctic: the Response of Life to Change	Antarctic	ocean
138	Cold Land Processes in the Northern Hemisphere continents and their Coastal Zone: Regional and Global Climate and Societal-Ecosystem Linkages and Interactions	Arctic	land
139	GREENING OF THE ARCTIC: CIRCUMPOLAR BIOMASS:	Arctic	land
140	Hydrological Impact of Arctic Aerosols	Arctic	atmos
141	Antarctic Sea Ice in International Polar Year	Antarctic	ice
142	The development of a polar-based photobioreactor for the production of bioactive compounds by indigenous micro-algae and cyanobacteria.	Arctic	ocean
145	Workshop / Conference summarizing the results of the Arctic Monitoring and Assessment Program's Human Health Assessment Group (AMAP HHAG Research Program (2002 – 2008).	Arctic	education
147	International Antarctic Institute	Antarctic	education
151	Present day processes, Past changes, and Spatiotemporal variability of biotic, abiotic and socio-environmental conditions and resource components along and across the Arctic delimitation zone.	Arctic	land
152	Trans-Antarctic Scientific Traverses Expeditions – Ice Divide of East Antarctica	Antarctic	land
153	Marine Mammal Exploration of the Oceans Pole to Pole	Bipolar	ocean
155	Ecosystem Studies of Subarctic and Arctic Regions	Arctic	ocean
156	Geomatics for the North - Circumpolar Conference on Basic Geospatial Information for Northern Development	Arctic	education
157	Community Adaptation and Vulnerability in Arctic Regions	Arctic	people
158	Comparative Studies of Marine Arctic and Antarctic Ecosystems and the Potential Consequences of Climate Change	Bipolar	education
160	Arctic Change: An Interdisciplinary Dialog Between the Academy, Northern Peoples, and Policy Makers	Arctic	education
162	Starting the clock for the CARMA Network: Impacts on Human-Rangifer Systems in the Circumarctic.	Arctic	land
164	Inuit and Scientific Descriptions of the Narwhal, Connecting Parallel Perceptions: Inter-disciplinary Studies of the Narwhal with a Focus on Tusk Function.	Arctic	ocean

Activity ID	Title	Geographical Focus	Category
166	Sea Ice Knowledge and Use: Assessing Arctic Environmental and Social Change	Arctic	people
167	Arctic Human Health Initiative	Arctic	people
168	International Polar Year Youth Steering Committee (IPY YSC)	Bipolar	education
169	Network for present and future circumpolar freshwater lake research and data management	Arctic	land
170	Aliens in Antarctica	Antarctic	land
171	POLAR-AOD: a network to characterize the means, variability, and trends of the climate-forcing properties of aerosols in polar regions	Bipolar	atmos
172	Health of Arctic and Antarctic bird populations	Bipolar	land
173	Biogeography and Geological Diversity of Hydrothermal Venting on the Ultra-Slow Spreading Arctic Mid-Ocean Ridge	Arctic	land
175	Fate, uptake and effects of contaminants in the Arctic and Antarctic ecosystem	Bipolar	atmos
176	A Polar Atlas for Education and Outreach based on a Spatial Data Infrastructure Framework (extension of Eol 645)	Bipolar	education
179	Extending IPY Themes to the Undergraduate Earth System Science Education Community	Bipolar	education
180	Antarctic Climate and Atmospheric Circulation	Antarctic	atmos
183	Arctic Resiliency and Diversity: Community Response to Change.	Arctic	people
185	Polar Earth Observing Network	Bipolar	land
186	Engaging communities in the monitoring of zoonoses, country food safety and wildlife health.	Arctic	people
187	Exchange for Local Observations and Knowledge of the Arctic (formerly APOC (Arctic Peoples Observations Center), no. 358)	Arctic	people
188	International Tundra Experiment (ITEX): impacts of long-term experimental warming and climate variability on tundra ecosystems	Arctic	land
189	The University of the Arctic: Providing Higher Education and Outreach Programs for the International Polar Year	Arctic	education
191	The Sixth Continent Initiative - Capacity Building in Antarctic Scientific Research	Antarctic	education
196	International Arctic Systems for Observing the Atmosphere	Arctic	atmos
201	Northern Material Culture through International Polar Year Collections, Then and Now: In the Footsteps of Murdoch and Turner	Arctic	people
202	Arctic Freshwater Biodiversity Monitoring and Research Network	Arctic	land
206	Legal and Constitutional Frameworks for Protecting Traditional Ecological Knowledge in Northern Canada	Arctic	people
208	Remote Sensibility - a multimedia project exploring and reflecting the immaterial relationship global industrial culture has with the circumpolar north.	Arctic	education
210	Global Change - Social Challenges Processes of socio-economic changes in the Circumpolar North, with focus on gender and inter and intra-generational relations.	Arctic	people
213	Environmental baselines, processes, changes and Impacts on people in sub-arctic Sweden and the Nordic Arctic Regions	Arctic	land
214	Retrospective and Prospective Vegetation Change in the Polar Regions: Back to the Future	Bipolar	land
217	The Structure and Evolution of the Polar Stratosphere and Mesosphere and Links to the Troposphere during IPY.	Bipolar	space
227	The Political Economy of Northern Development	Arctic	people

Activity ID	Title	Geographical Focus	Category
244	Antarctic Anthology. A collaborative book incorporating literary, visual and scientific representations of the continent, to commemorate this IPY.	Antarctic	education
246	Arctic Biosphere-Atmosphere Coupling across multiple Scales	Arctic	land
247	Bering Sea Sub-Network of Community-Based Environmental Monitoring, Observation and Information Stations	Arctic	people
248	Arctic Indigenous Community-based Monitoring and Information Stations Network: Arctic Community-based Research Alliance	Arctic	people
251	Circumpolar monitoring of the biology of key-species in relation to environmental changes	Antarctic	ocean
256	Antarctic continental margin drilling to investigate Antarctica's role in global environmental change	Antarctic	land
257	Wildlife Health: Assessing the Cumulative Impacts of Multiple Stressors REVISION TO IPY FULL PROPOSAL no. 192	Arctic	ocean
258	Multidisciplinary Study of the Amundsen Sea Embayment	Antarctic	ice
259	Conservation Hunting in the Arctic: An Analysis of Constraints and Opportunities	Arctic	people
262	Response of Arctic and Subarctic soils in a changing Earth: dynamic and frontier studies	Arctic	land
266	Remote sensing monitoring and forecast of surging glaciers' evolution with the investigation of modern fluctuations of surging glaciers of the Alaska, Svalbard and high elevated Asia glaciers	Arctic	ice
267	Comprehensive Meteorological dataset of active IPY Antarctic measurement phase for Scientific and applied Studies	Antarctic	atmos
275	Polar Disturbance and Ecosystem Services: Links between Climate and Human Well-being	Arctic	people
276	Initial Human Colonization of Arctic in Changing Palaeoenvironments	Arctic	people
282	The Nunavut Arctic Research and Educational Base Camp	Arctic	education
284	Development of a system of complex monitoring and elaboration of information-analytical system on protected natural areas of the Polar zone	Arctic	land
285	Northern Genealogies: Development of an ethnodemographic informational system on the peoples of Siberia and the Russian North	Arctic	people
293	Arctic Shelf Tracking and Physics Array	Arctic	ocean
294	International Polar Year Circumpolar Exchanges – proposed exchanges of students and young northern professionals from Canada and other circumpolar countries during International Polar Year 2007–2008	Arctic	education
295	Popularization of Northern Scholarly Articles for Public Interest (EOI 1057)	Bipolar	education
296	IPY Histories: International Polar Year Activities Past and Present, Museum and Virtual Exhibitions	Bipolar	education
299	International summit and working group conference on the development and deployment of energy resources in the arctic including remote and rural villages	Arctic	education
300	Arctic Biodiversity of Chars – Network for Monitoring and Research (revised)	Arctic	land
304	SEASonality of the DRAKE Passage pelagic ecosystem: BIOdiversity, food webs, environmental change and human impact. Present and Past	Antarctic	ocean
305	Consortium for coordination of Observation and Monitoring of the Arctic for Assessment and Research	Arctic	ocean
310	The Impacts of Oil and Gas Activity on Peoples in the Arctic Using a Multiple Securities Perspective	Arctic	people
313	The Prydz Bay, Amery Ice Shelf and Dome A Observatories – A Chinese Key International Program for IPY	Antarctic	ice

Activity ID	Title	Geographical Focus	Category
315	Tectonic Map of the Earth's Polar Regions	Bipolar	education
318	TUNU-Programme: MARINE FISHES OF NE GREENLAND – diversity and adaptation	Arctic	ocean
322	International Polar Year - A multitracers approach to study heat and salt fluxes through sea ice, pollutant transport and surface ocean hydrography	Arctic	ice
325	Marine and estuarine ecosystems in the eastern, central and western Canadian Arctic	Arctic	ocean
327	INterContinental Atmospheric Transport of Anthropogenic Pollutants to the Arctic	Arctic	atmos
328	Integrated Communication, Education and Evaluation	Bipolar	education
329	The Canadian Antarctic Research Program	Antarctic	land
330	International Polar Year: The search for the Franklin expedition: a new perspective based on Inuit oral tradition	Arctic	education
333	Arctic Ocean Diversity (ArcOD)	Arctic	ocean
336	IPY Global Snowflake Network (GSN)	Bipolar	education
337	Dynamics of Circumpolar Land Use and Ethnicity	Arctic	people
338	Arctic Quest - Northwest passage 100 Year Celebration	Arctic	education
339	Measurement and Attribution of recent Greenland Ice sheet chaNgeS (MARGINS)	Arctic	ice
341	Taking the Antarctic Arctic Polar Pulse-IPY 2007-8 Human Biology and Medicine Research	Bipolar	people
342	ANTARCTIC TREATY SUMMIT: SCIENCE-POLICY INTERACTIONS IN INTERNATIONAL GOVERNANCE	Antarctic	
343	Students on Ice - IPY Youth Expeditions to the Arctic and Antarctic	Bipolar	education
349	Course in Arctic Wildlife Medicine and Welfare	Arctic	education
355	The Economy of the North	Arctic	people
357	Spitsbergen Climate System Current Status – SCSCS.	Arctic	atmos
367	NEOGENE ICE STREAMS AND SEDIMENTARY PROCESSES ON HIGH-LATITUDE CONTINENTAL MARGINS	Bipolar	ice
372	Polar View: The Polar Information Centre	Bipolar	space
373	CARBON POOLS IN PERMAFROST REGIONS	Bipolar	land
378	Impact Assessment with Indigenous Perspectives	Arctic	education
379	IPY Operational Oceanography for the Arctic Ocean and adjacent seas	Arctic	ocean
384	Integrity of the Traditional Food System and Environmental Health in the Circumpolar North	Arctic	people
385	Towards an international astronomical observatory at Dome C in Antarctica	Antarctic	space
386	Survey of Living Conditions in the Arctic, SLICA - Remote Access Analysis System	Arctic	people
388	ARCTIC PORTAL DEVELOPED BY ARCTIC COUNCIL AND AFFILIATES	Arctic	education
389	Yukon IPY Community Liaison	Arctic	education
390	Biodiversity and Climate Induced Lifecycle Changes of Arctic Spiders	Arctic	land
395	Building the next generation of polar scientists, engineers and logisticians by engaging youth from Nunavut and the Northwest Territories in International Polar Year activities	Arctic	education
396	Indigenous Peoples' Forum on Environmental Monitoring in the Arctic	Arctic	education
397	International Polar Year 2007–2008 @ Grand Valley State University	Bipolar	education
399	Reindeer Herders Vulnerability Network Study: Reindeer Pastoralism in a Changing Climate	Arctic	people
400	ANTLER Network Secretariat and Workshop Series	Arctic	education

Activity ID	Title	Geographical Focus	Category
402	International School Education on Polar issues	Bipolar	education
405	Meltdown 3D/2D, A National Geographic Giant Screen Film	Bipolar	education
408	Social-science migrating field station: monitoring the Human-Rangifer link by following herd migration	Arctic	land
410	Inuit Voices: Observations of Environmental Change	Arctic	education
411	Norwegian and Russian Arctic Resources: Prospects for Social and Economic Development	Arctic	people
417	INTERPOLAR Transnational Art Science Consortium	Bipolar	education
423	Pan-Arctic Lake Ice Cover Under Contemporary and Future Climate Conditions	Arctic	land
430	Pan-Arctic Tracking of Belugas	Arctic	ocean
431	ARCTEC: A Cumulative Effects Toolbox for Northern Ecological and Social Systems	Arctic	people
432	The Phoenix Mars Polar Lander and Antarctic Analog Studies	Bipolar	land
433	Pressures and Impacts on the Health and Well-being of Indigenous People of the Arctic: Invitational International Symposium and Symposium Publication	Arctic	education
435	Culturally and Scientifically Significant Materials Recovered from Melting Ice and Cryosols: Recovery, Research, Stabilization and Community Education	Arctic	people
436	Moved by the State: Perspectives on Relocation and Resettlement in the Circumpolar North	Arctic	people
438	International Polar Year Arctic Nations Exhibition and Activities including Symposia, Seminars, Workshops, Residencies, Documentation and Event Coordination	Arctic	education
439	Temporal and spatial distribution of mercury and methylmercury source types, transfer and impact in the North American arctic and sub-arctic food web using seabird eggs and feathers.	Arctic	ocean
440	IPY Books	Bipolar	education
441	Bringing the Poles to Life	Bipolar	education
443	The Use of Radionuclides and Other Contaminants as Tracers of Climate Change Effects in the North.	Bipolar	atmos
446	Circumpolar Indigenous Youth Conservation Project	Arctic	education
448	People and wilderness resources in arctic. Is local subsistence harvest and exclusive wilderness tourism a road to sustainable well-being or a source of conflict	Arctic	people
451	Antarctic Touring Exhibition	Antarctic	education
452	Internationally coordinated studies on Antarctic environmental status, biodiversity and ecosystems	Antarctic	land
453	IPY POLAR GATEWAYS: IPY Education and Outreach Centres in Polar Communities	Bipolar	education
454	Enhancing the Environmental Legacy of the IPY in Antarctica	Bipolar	education
455	IGLO (International action on GLObal warming).	Bipolar	education
456	Practical Applications for Sustainable Development in Arctic Communities	Arctic	people
457	Ice Stories: Educational Resources for the International Polar Year	Bipolar	education
459	IceCube South Pole Neutrino Observatory	Antarctic	space
460	Cape Farewell's youth, science and cultural expeditions to the High Arctic in September 2007 will continue our work in Climate Change education and address the causes and physical effect Climate Change is having on the High Arctic.	Arctic	education
461	Landsat Image Mosaic of Antarctica (LIMA)	Antarctic	space
462	Arctic Social Indicators	Arctic	people

Joint Committee Meetings, 2005–2010

First Meeting of the IPY Joint Committee (JC-1)

March 7-9, 2005, ICSU, Paris, France

PARTICIPANTS

JC Invited Members

Ian Allison (Co-Chair)
 Michel Béland (Co-Chair)
 Yoshiyuki Fujii
 Jerónimo López-Martínez
 Grete Hovelsrud-Broda
 Chris Rapley
 Robin Bell
 Vladimir Kotlyakov
 Tillmann Mohr
 Kjell Danell
 Igor Krupnik
 Edith Fanta
 Qin Dahe

Ex officio Members

Keith Alverson (IOC)
 Eduard Sarukhanian (WMO)
 Leah Goldfarb (ICSU)
 Colin Summerhayes (SCAR)
 Odd Rogne (IASC)

Apologies

Eberhard Fahrback (JC Member)

Other Attendees

Hong Yan (Deputy Secretary-General, WMO)
 Thomas Rosswall (Executive Director, ICSU)
 Cynan Ellis-Evans (Interim Director, IPO)
 Tim Moffatt (JC Minutes)

AGENDA

1. Welcome and Introductions
 - 1.1 ICSU (Prof. Thomas Rosswall)
 - 1.2 WMO (Prof. Yan Hong)
 - 1.3 IPY Co-Chairs (Ian Allison and Michel Béland)
 - 1.4 Introduction of JC members and their backgrounds
 - 1.5 Terms of Reference for JC
 - 1.6 Purpose and Objectives of the Meeting
2. Review IPY planning to date inc. "Framework" Document/ 6 Themes
 - 2.1 Progress and activities since PG-4 meeting
 - 2.2 Identifying tasks left over from the Planning Group 4 meeting
3. Activities of the IPO
 - 3.1 Selection of IPO Director
 - 3.2 IPY Websites
 - 3.3 IPY logo and badging
 - 3.4 WMO "project office" activities
4. Expressions of Intent
 - 4.1 Analysis of Eol's across entire database/ developing clusters
 - 4.2 JC assessments of Eols
 - 4.2.1 Breakdown for individual categories based on JC skill set
 - 4.2.2 Clumping and Cross-referencing between the categories
5. Programme structure at project level
 - 5.1 Structure and role of Project Steering Committees (refer to Science Plan)
 - 5.2 Developing links and collaboration between Eols
 - 5.3 Identifying cross cutting issues
 - 5.4 Identifying gaps
6. Development of Full Proposals
 - 6.1 Format, procedure and timetable for full IPY Proposals
 - 6.2 Process for assessment and identification of final IPY projects
 - 6.3 Interactions with funding and logistic agencies
 - 6.4 Interactions with National Committees

Second Meeting of the IPY Joint Committee (JC-2)

November 15 - 17, 2005, Geneva, Switzerland

PARTICIPANTS

JC Invited Members

Ian Allison (Co-Chair)
Michel Béland (Co-Chair)
Jerónimo López-Martínez
Robin Bell
Kjell Danell
Eberhard Fahrback
Tillmann Mohr
Vladimir Kotlyakov
Igor Krupnik
Qin Dahe
Chris Rapley
Grete Hovelsrud-Broda

Ex officio Members

Leah Goldfarb (ICSU)
Odd Rogne (IASC)
Eduard Sarukhanian (WMO)
Colin Summerhayes (SCAR)

Observers

Vitaly I. Churkin (Arctic Council)
Johannes Huber (Antarctic Treaty)

International Programme Office
David Carlson (Director)
Cynan Ellis Evans
Nicola Munro (Minutes)

Invitees

Mark Parsons, Taco de Bruin – Co-Chairs, Data
Policy and Management Subcommittee

Apologies

Keith Alverson (Ex officio Member)
Edith Fanta (JC Member)
Yoshiyuki Fujii (JC Member)

AGENDA

1. Opening of the session (welcome, addresses, presentation of participants, approval of agenda)
2. Role of JC members and the role of Observers
3. Updates on IPY related activities
 - 3.1 Report from ICSU General Assembly
 - 3.2 Report on WMO Intercommission Task Group
 - 3.3 Report on IPO activities
4. Reports on recent IPY activities from international agencies and programmes
 - 4.1 IPY Discussion Forum (Copenhagen, 13 November 2005)
 - 4.2 EPB-ESF meeting (9 November 2005)
 - 4.3-9 IPY-related reports: AC; ATCM; WCRP (including CliC); ICARP; SCAR; IASC; IASSA
 - 4.10 International years (IHY, eGY, Planet Earth)
5. IPY preparation
 - 5.1 Project proposals process and look forward
 - 5.2 Next JC activities: IPY science programme and key events for the next 18 months
 - 5.3 Role of the subcommittees
 - (a) Subcommittee on Observations
 - (b) Subcommittee on Data Policy
 - (c) Subcommittee on Education, Outreach and Communications
6. Linking with logistical organisations (FARO, COMNAP, etc)
 - 6.1 Proposed Eurasian sub-office for IPY
 - 6.2 Support for CRYOSAT
7. Linking with funding agencies and general IPY fund raising, including funding of IPY Subcommittees
 - 7.1 Trust Fund for IPY
8. Brief statements from JC members and observers and National Committees.
 - 8.1 AC and ATCM representatives
 - 8.2 JC Members
9. IPO Future activities (websites, Subcommittees organisational support, volunteers)

Third Meeting of the IPY Joint Committee (JC-3)

April 20 - 22, 2006, Cambridge, U.K.

PARTICIPANTS

JC Invited Members

Ian Allison (Co-Chair)
Michel Béland (Co-Chair)
Jerónimo López-Martínez
Robin Bell
Kjell Danell
Eberhard Fahrback
Tillmann Mohr
Vladimir Kotlyakov
Igor Krupnik
Qin Dahe
Chris Rapley
Edith Fanta

Ex officio Members

Laurie Geller (ICSU)
Eduard Sarukhanian (WMO)
Colin Summerhayes (SCAR)
Keith Alverson (IOC)
Volker Rachold (IASC)

Observers

Johannes Huber (Antarctic Treaty)

International Programme Office

David Carlson (Director)
Cynan Ellis-Evans
Odd Rogne
Nicola Munro (Minutes)

Invitees

Taco de Bruin – Data Policy Subcommittee
Margarete Pauls – EOC Subcommittee
(via conference call)

Apologies

Grete Hovelsrud (JC Member)
Yoshiyuki Fujii (JC Member)

AGENDA

1-3. Opening: agenda, JC-2 minutes and Action items

4. Updates on IPY-related activities
 - (a) IPO
 - (b) Subcommittees
 - Data Management
 - Education and Outreach
 - Observations
 - Youth
 - (c) Other (EPB)
5. IPY Proposals
 - (a) Processing of January 2006 proposals
 - (b) Revised chart
 - (c) Managing IPY information
6. Reports from logistical organisations (FARO, COMNAP, etc)
7. Funding
 - (a) National funding
 - (b) IPO and subcommittees
 - (c) Project Coordinator funding
 - (d) Commercial partnerships
8. Integration processes
 - (a) Within clusters; Among/across clusters
 - (b) Accelerating the IPY impact
9. Brief statements
 - (a) AC and ATCM representatives
 - (b) JC Members
10. IPO future activities
 - (a) Launch activities/planning
 - (b) Existing and special science events
11. Action item review
12. OCF at SCAR Hobart
13. Next JC meeting
14. Assessment of the session

Fourth Meeting of the IPY Joint Committee (JC-4)

September 26-28, 2006, Longyearbyen, Svalbard

PARTICIPANTS

JC Invited members

Ian Allison (Co-Chair)
Michel Béland (Co-Chair)
Jerónimo López-Martínez
Kjell Danell
Eberhard Fahrback
Grete Hovelsrud
Vladimir Kotlyakov
Igor Krupnik
Chris Rapley
Edith Fanta

Ex officio Members

Gisbert Glaser (ICSU)
Eduard Sarukhanian (WMO)
Colin Summerhayes (SCAR)
Keith Alverson (IOC)
Volker Rachold (IASC)

Observers

Johannes Huber (Antarctic Treaty)

International Programme Office

David Carlson (Director)
Cynan Ellis-Evans
Odd Rogne
Rhian Salmon
Nicola Munro (Minutes)

Apologies

Qin Dahe (JC Member)
Tillmann Mohr (JC Member)
Yoshiyuki Fujii (JC Member)

AGENDA

1-3. Opening; agenda, JC-3 minutes and Action items

4. Updates on IPY-related activities
 - (a) Hobart Consultative Forum
 - (b) ESA IPY Solicitation
 - (c) Polar Sessions at ESSP

- (d) IPO
 - (i) Project update
- (e) National reports
- (f) Upcoming IPY secretariats meeting

5. Funding
 - (a) National funding
 - (b) Project funding
 - (c) IPO and subcommittee funding
 - (d) Project coordinator funding
 - (e) Other
6. Reports from Subcommittees
 - (a) Data Management
 - (b) Observations
 - (c) Youth
 - (d) Education and Outreach
 - (i) Media summaries
 - (ii) Website
7. Joint Committee Outreach
 - (a) Science Plan
 - (b) Outreach Articles
 - (c) Other activities
 - (i) Event Planning
8. IPY Issues
 - (a) Ethics and Environmental Guidelines
 - (b) JC Term of Reference
9. Brief statements
 - (a) AC and ATCM representatives
 - (b) JC Members

10. Interactions with Norwegian IPY National Committee

11. Action item review

12. Next JC meeting

13. Assessment of the session

Fifth Meeting of the IPY Joint Committee (JC-5)

28th February to 2nd March, 2007, Paris, France

PARTICIPANTS

JC Invited members

Ian Allison (Co-Chair)
Michel Béland (Co-Chair)
Jerónimo López-Martínez
Kjell Danell
Eberhard Fahrbach
Grete Hovelsrud
Vladimir Kotlyakov
Igor Krupnik
Tillmann Mohr
Chris Rapley
Robin Bell
Qin Dahe

Ex officio Members

Carthage Smith (ICSU)
Eduard Sarukhanian (WMO)
Colin Summerhayes (SCAR)
Tom Gross (alternate IOC)
Volker Rachold (IASC)

Observers

Johannes Huber (Antarctic Treaty)

Apologies

Edith Fanta (JC Member)
Yoshiyuki Fujii (JC Member)
Keith Alverson (IOC)
Karsten Klepšvik (Arctic Council, Observer)

International Programme Office

David Carlson (Director)
Cynan Ellis-Evans
Odd Rogne
Nicola Munro (Minutes)

Invited Participants

Mark Parsons (Data Management Subcommittee)
Taco de Bruin (Data Management Subcommittee)
Sandra Zicus (EOC Subcommittee)
Chen Zhenlin (CMA)

AGENDA

- 1-4. Opening (agenda, JC-4 minutes, Action Items;
Chair's remarks)
5. Status of IPY Project Funding
6. Status of National Funding (JC role with
respect to national IPY funding process)
7. Post-IPY events and conferences
8. Forging stronger links among IPY projects
9. Launch Ceremony
10. Subcommittees reports
 - 10.1 Education and Outreach Subcommittee
 - 10.2 Subcommittee on Observations and Space
Task Group (STG)
 - 10.3 Youth Steering Committee (YSC)
11. JC activities to maintain IPY momentum
12. Data Management and Policy
13. IPY Legacy (JC role)
 - 13.1 Proposed legacy planning activities etc
14. Reports: SCAR, IASC, Arctic Council, Antarctic
Treaty Secretariats
15. National Committee reports (Austria, Canada,
Portugal, Spain, U.K.)
16. Update on IPO activities (funding, work plan)
17. Assessment of meeting

Sixth Meeting of the IPY Joint Committee (JC-6)

25th-26th October 2007, Québec City, Canada

PARTICIPANTS

JC Invited Members

Ian Allison (Co-Chair)
Michel Béland (Co-Chair)
Kjell Danell
Eberhard Fahrbach
Igor Krupnik
Tillmann Mohr
Robin Bell
Takashi Yamanouchi

Ex officio Members

Paul Cutler (ICSU)
Eduard Sarukhanian (WMO)
Colin Summerhayes (SCAR)
Keith Alverson (IOC)
Volker Rachold (IASC)

Observers

Johannes Huber (Antarctic Treaty)
Helena Ödmark (Arctic Council)

International Programme Office

David Carlson (Director)
Cynan Ellis-Evans
Odd Rogne
Rhian Salmon
Nicola Munro (Minutes)

Invited Participants

Mark Parsons (Data Management Subcommittee)
Sandra Zicus (EOC Subcommittee)
Margarete Pauls (EOC Subcommittee)

Apologies

Edith Fanta (JC Member)
Chris Rapley (JC Member)
Vladimir Kotlyakov (JC Member)
Jerónimo López-Martínez (JC Member)
Grete Hovelsrud (JC Member)
Qin Dahe (JC Member)
Taco de Bruin (Data Management Subcommittee)

AGENDA

- 1-4. Opening (meeting agenda; JC-5 minutes, JC-5 Action Items; Chair's Remarks)
 - 5.1 Observers' Reports (ATCM, Arctic Council)
 - 5.2 IASC
 - 5.3 Other (IOC, ICSU, WMO),
 - 5.4 IPO
 - 5.5 Data Subcommittee
 - 5.6 EOC Subcommittee
6. Session with Canadian IPY National Committee
7. IPY Status and Assessment
 - 7.1 Funding
 - 7.2 National Committees
 - 7.3 Project Coordinators
 - 7.4 IPY Assessment Report
 - 7.5 Extension/Termination options
 - 7.6 Publications
8. National Committees Reports (India, Japan New Zealand, Poland, Spain, Ukraine, U.K., Sweden, U.S.A, Portugal)
 - 8.1 APECS Report
9. IPY Legacies
 - 9.1 Observations; WMO Global Cryosphere Watch
 - 9.2 Data Integrations and Assessments
 - 9.3 Science infrastructure and cooperation
 - 9.4 SCAR-IASC Cooperation
 - 9.5 Cryosphere Coordinating group
10. Meetings, Event Planning
 - 10.1 SCAR-IASC Open Science Conference, 2008
 - 10.2 ATCM 32
 - 10.3 IPY Early Science Conference, Oslo 2010
 - 10.4 Other major science events
 - 10.5 Letter from Canada, IPY 2012 conference
 - 10.6 IPY conference in Salekhard (proposal)
 - 10.7 Extension of Term of JC
11. Other Business

Seventh Meeting of the IPY Joint Committee (JC-7)

4th – 5th July, 2008, St Petersburg, Russia

PARTICIPANTS

JC Invited Members

Ian Allison (Co-Chair)
Michel Béland (Co-Chair)
Robin Bell
Kjell Danell
Grete Hovelsrud
Vladimir Kotlyakov
Jerónimo López Martínez
Tillmann Mohr
Chris Rapley
Takashi Yamanouchi

Ex officio Members

Paul Cutler (ICSU)
Eduard Sarukhanian (WMO)
Colin Summerhayes (SCAR)
Keith Alverson (IOC)

Observers

Johannes Huber (Antarctic Treaty)
Helena Ödmark (Arctic Council)

International Programme Office (IPO)

David Carlson (Director) (DC)
Odd Rogne (OR)
Rhian Salmon (RS)
Nicola Munro (Minutes) (NM)

Invited Participants

Taco de Bruin (Data Management Subcommittee)
Sandra Zicus (EOC Subcommittee)
Margarete Pauls (EOC Subcommittee)
Kriss Rokkan Iversen (APECS)
Sergey Priamikov (Eurasian Arctic Sub-Office)
Olav Orheim (Research Council of Norway)

Apologies

Qin Dahe (JC Member)
Eberhard Fahrback (JC Member)
Igor Krupnik (JC Member)
Volker Rachold (Ex officio, IASC)
Cynan Ellis-Evans (IPO)
Mark Parsons (Data Management Subcommittee)

AGENDA

- 1.1 Welcome and Introductions
- 1.2 Review JC6 Agenda
- 1.3 Accept Minutes from JC 6
- 1.4 Review JC-6 Action Items
- 1.5 Chair Opening Remarks
2. Reports
 - 2.1 Data – coordinator, progress, outlook for archives, report from subcommittee
 - 2.2 EOC – written report from Subcommittee
 - 2.3 APECS – written report from APECS
 - 2.4 SCOBS/STG – written report from Subcommittee
 - 2.5 SCAR/IASC report on bipolar working group
 - 2.6 Report from IPO Eurasian Sub-office (EASO)
 - 2.7 National Reports
 - 2.8 Reports from AC and ATS
 - 2.9 Report from HAIS
 - 2.10 Reports from ICSU, WMO, IOC, IASC
3. Events around 1 March 2009
 - 3.1 Plans for February 2009
 - 3.2 “State of Polar Research” JC Statement
4. IPY Legacy – Legacy plans, large and small
5. Events
 - 5.1 IPY Oslo Science Conference, June 2010
 - 5.2 IPY Canada Science Conference, 2012
6. JC and IPO
 - 6.1 JC beyond 2009
 - 6.2 IPO beyond 2009
7. IPY Consultative Forum, July, 2008
8. Next Meeting
9. AOB

Eighth Meeting of the IPY Joint Committee (JC-8)

23rd – 24th February, 2009, WMO Headquarters, Geneva, Switzerland

PARTICIPANTS

JC Invited members

Ian Allison (Co-Chair)
Michel Béland (Co-Chair)
Robin Bell
Kjell Danell
Eberhard Fahrback
Grete Hovelsrud
Vladimir Kotlyakov
Igor Krupnik
Jerónimo López Martínez
Tillmann Mohr
Chris Rapley
Takashi Yamanouchi

Ex officio Members

Paul Cutler (ICSU)
Eduard Sarukhanian (WMO)
Keith Alverson (IOC)
Volker Rachold (IASC)
Colin Summerhayes (SCAR)

Observers

Helena Ödmark (Arctic Council)

International Programme Office (IPO)

David Carlson (Director)
Odd Rogne
Nicola Munro (Minutes)

Invited Participants

Taco de Bruin (Data Management Subcommittee)
Mark Parsons (Data Management Subcommittee)
Sandra Zicus (EOC Subcommittee)
Daniela Haase (APECS)
Olav Orheim (Research Council of Norway)
Patrick Borbey (Indian and Northern Affairs, Canada)
David Hik (Canadian IPY Secretariat)

Apologies

Qin Dahe (JC Member)
Cynan Ellis-Evans (IPO)
Johannes Huber (Antarctic Treaty)

AGENDA

1. Opening; review agenda; Chair's remarks
 - 1.1 JC-7 Minutes, Action Items
 - 1.2. 'The State of Polar Research' document
2. IPY Assessments and Integration efforts
 - 2.1 SWIPA, SCAR ACCE
 - 2.2 JC "Synthesis" document on IPY
 - 2.3 Arctic Council Legacy Activities
 - 2.4 SCAR/IASC Bipolar Working Group
 - 2.5 JC role in coordinating existing activities
 - 2.5.1 Changes necessary to the JC ToR
 - 2.6 IPY History project – status report
 - 2.7 JC expression of thanks to IPY partners
 - 2.8 Maximising the 2010 and 2012 IPY conferences
 - 2.9 Plans and action items
3. Observational systems, facilities and infrastructure
 - 3.1-3 WMO roadmap; SAON; PAntOS
4. Data Management
 - 4.1 Letters sent to national committees
 - 4.2 Plans from Data Management Committee
5. APECS Report; other next generation activities
 - 6.1 Oslo IPY Conference 2010
 - 6.2 Canada IPY Conference 2012
 - 6.3 Other key conferences
7. EOC report (including forthcoming activities)
 - 7.1 Long-term partnerships
8. Other Reports
 - 8.1 HAIS
 - 8.2 AC
 - 8.3 ATCM
 - 8.4 WMO and ICSU
 - 8.5 ISAC, SCAR, UNESCO
9. Status and tasks of IPO; archival processes
10. International Polar Decade

Ninth Meeting of the IPY Joint Committee (JC-9)

7th June 2010, Oslo, Norway

PARTICIPANTS

JC Invited Members

Michel Béland (Co-Chair)
Jerónimo López-Martínez (Co-Chair)
Ian Allison
Robin Bell
Eberhard Fahrbach
Grete K. Hoveslrud
Vladimir Kotlyakov
Igor Krupnik
Tillmann Mohr
Colin Summerhayes
Takashi Yamanouchi

Ex officio Members

Paul Cutler (ICSU)
Eduard Sarukhanian (WMO)
Keith Alverson (IOC)
Chuck Kennicott (SCAR)
Volker Rachold (IASC)

Observers

Helena Ödmark (Arctic Council)
Manfred Reinke (Antarctic Treaty)

International Programme Office

David Carlson (Director)
Melissa Deets (Minutes)
Odd Rogne

Apologies

Kjell Danell
Qin Dahe
Chris Rapley

Subcommittee Members

Mark Drinkwater (Subcommittee on observations)
Taco de Bruin (Data management subcommittee)
Sandra Zicus (EOC Subcommittee)

Invited Participants

Kathleen Fischer (Canada IPY Federal Program Office)
Olav Orheim (Research Council of Norway)

David Hik (Canadian IPY Secretariat)

Barry Goodison (WMO)

Jenny Baeseman (APECS)

Deliang Chen (ICSU)

AGENDA

1. Opening of the session (approval of agenda; chair's opening remarks, etc.)
2. JC 'Summary Report' on IPY 2007–2008
 - 2.1. Status of the Report, 6 June 2010
 - 2.2. Actions needed
 - 2.3. Planning for Report completion and publication
3. IPY 2010 Oslo Science Conference
4. IPY 2012 Canada Science Conference
5. International Polar Decade
6. Preliminary science achievements of IPY
 - 6.1. 'Status' Theme
 - 6.2. 'Change' Theme
 - 6.3. 'Global Connections' Theme
 - 6.4. 'Frontiers' Theme
 - 6.5. 'Vantage Point' Theme
 - 6.6. 'Human Dimensions' Theme
7. Unfinished business: How to complete IPY?
 - 7.1. Publication database and IPY bibliography
 - 7.2. Archiving IPY materials and records
 - 7.3. Opening JC minutes for public use (online)
8. Summaries from subcommittees and partners
 - 8.1. Subcommittee on observations
 - 8.2. Subcommittee on data management
 - 8.3. EOC subcommittee
 - 8.4-7 Final statements: IASC, SCAR, AC, ATCM
9. Concluding remarks
 - 9.1 JC Co-Chairs and IPO
 - 9.2 ICSU (Deliang Chang)
 - 9.3 WMO (Ed Sarukhanian)

IPY Proposal Evaluation Form Used by the JC, 2005–2006

Altogether 422 ‘full proposals’ were received by the IPO by three subsequent submission deadlines: 30 June 2005, 30 September 2005, and 31 January 2006, with 337 being scientific or data management proposals, and 85 being for education and outreach activities. The number of proposals received in each round was 109, 92 and 209 respectively, and 12 later submissions were also accepted. Each was independently reviewed by three to four JC members and assessed against 15 IPY criteria, six being ‘primary’ criteria and nine other

listed as ‘additional’ criteria. (After the second round, education and outreach submissions were reviewed by the EOC committee rather than the JC). Proposals that were assessed by the JC members as meeting the requested criteria became ‘endorsed IPY projects’ and were added to the emerging IPY 2007–2008 project chart (Appendix 5). All submitted ‘full proposals’ were made openly accessible on the IPO website (<http://classic.ipy.org/development/eoi/proposals.php>).

	Criteria	Deficient	Acceptable	Excellent
P	1. Significant Contribution			
P	2. Addresses IPY theme with Contribution			
P	3. Targets IPY geographic area			
P	4. Targets IPY timeframe			
P	5. Evidence of International Collaboration			
P	6. Clear Plans for project management			
A	1. Provides essential infrastructure or other support			
A	2. Non-polar nations involvement			
A	3. Evidence of Legacy			
A	4. Builds on existing initiatives, where appropriate			
A	5. Evidence of links to other clusters			
A	6. Evidence of Interdisciplinarity			
A	7. Clear plans for data management			
A	8. Will this activity develop the next generation			
A	9. Is there a plan for Education, Outreach?			
	Category			
	Comments on Proposal			

Subcommittees

Subcommittee for Education and Outreach

Margarete Pauls, Alfred Wegener Institute, Germany (Co-Chair)

Sandra Zicus, International Antarctic Institute, Australia (Co-Chair)

Khadijah Abdul Rahman Sinclair, Yayasan Anak Warsan Alam (YAWA), Malaysia

Miriam Almeida, Teacher, Brazil

Linda Capper, British Antarctic Survey, U.K.

Jean de Pomereu, International Polar Foundation, France

Geoff Green, Students on Ice, Canada

Rachel Hazell, Hazell Designs Books, U.K.

Louise Huffman, ANDRILL, U.S.A.

Tove Kolset, CICERO, Norway

Lars Kullerud, University of the Arctic, Norway

Zhang Le, China Meteorological Administration, China

Linda Mackey, Polar Artists Group, Canada

Rene Malherbe, Consultant, The Netherlands

Mark McCaffrey, U.S.A.

Liz Murphy, Squizmix, Australia

Birgit Kleist Pedersen, University of Greenland, Greenland

Jennifer Pink, Science North, Canada

Melanie Raymond, APECS Education, Outreach Communication representative, Denmark

Elena Sparrow, International Arctic Research Center, U.S.A.

Rodion Sulyandziga, Center for Support of Indigenous Peoples of the North, Russia

Pattie Virtue, University of Tasmania, Australia

Ex officio Members:

Representatives from the International Programme Office, IPY Youth Steering Committee, International Council for Science, World Meteorological Organisation

Subcommittee for Data Policy and Management

Mark Parsons, National Snow and Ice Data Center, U.S.A. (Co-Chair)

Taco de Bruin, Royal Netherlands Institute for Sea Research, The Netherlands (Co-Chair)

Scott Tomlinson, Canadian IPY Federal Programme Office, Canada

Nathan Bindoff, Antarctic Climate and Ecosystems CRC, Australia

Joan Eamer, GRID-Arendal, Australia

Kim Finney, Australian Antarctic Division Australia

Hannes Grobe, WDC-MARE World Data Center for Marine Environmental Services, AWI, Germany

Ray Harris, Department of Geography, University College London, U.K.

Ellsworth LeDrew, Department of Geography, University of Waterloo, U.S.A.

Xin Li, WDC for Glaciology and Geocryology, Chinese Academy of Sciences, China

Hakan Olsson, Swedish University of Agricultural Sciences, Umea, Sweden

Vladimir Papitahivili, Department of Atmospheric, Oceanic and Space Sciences, University of Michigan, U.S.A.

Birger Poppel, University of Greenland, Greenland

Alexander Sterin, Russian Research Institute for Hydrometeorological Information-World Data Centre B, Russia

Subcommittee for Observations

Wenijan Zhang, China Meteorological Administration, Chair

Jan Bottenheim, *Science and Technology Branch, Environment Canada, Canada*

Peter Dexter, *Australian Government Bureau of Meteorology, Australia*

Mark Drinkwater, *European Space Agency, The Netherlands*

Ken Jezek, *Ohio State University, U.S.A.*

Lene Kielsen Holm, *Representative of Indigenous Peoples community, Greenland*

Antoni Meloni, *Istituto Nazionale di fisica e Vulcanologia, Italy*

Arni Snorrason, *Icelandic Meteorological Office, Iceland*

Craig Tweedie, *University of El Paso, Texas, U.S.A.*

Tatiana Vlassova, *Institute of Geography, Russia*

David Williams, *British National Space Centre, U.K.*

Space Task Group

Mark Drinkwater, European Space Agency, The Netherlands (Co-Chair)

David Williams, British National Space Centre, U.K. (Co-Chair)

Vasilii Asmus, *Russian Federal Service for Hydrometeorology and Environmental Monitoring, Russia*

Pablo Clemente-Colon, *National Oceanic and Atmospheric Administration, U.S.A.*

Yves Crevier, *Canadian Space Agency, Canada*

Craig Dobson, *National Aeronautics and Space Administration, U.S.A.*

Battista Fabrizio, *Agenzia Spaziale Italiana, Italy*

Oystein Godoy, *Norwegian Meteorological Institute, Norway*

Manfred Gottwald, *German Aerospace Centre, Germany*

Kenneth Holmlund, *European Organisation for the Exploitation of Meteorological Satellites*

Chu Ishida, *Japan Aerospace Exploration Agency, Japan*

Jeffrey Key, *National Oceanic and Atmospheric Administration, U.S.A.*

Henri Laur, *European Space Agency, The Netherlands*

Seelya Martin, *National Aeronautics and Space Administration, U.S.A.*

Alberto Setzer, *Instituto Nacional de Pesquisas Espaciais, Brazil*

Masanobu Shimada, *Japan Aerospace Exploration Agency, Japan*

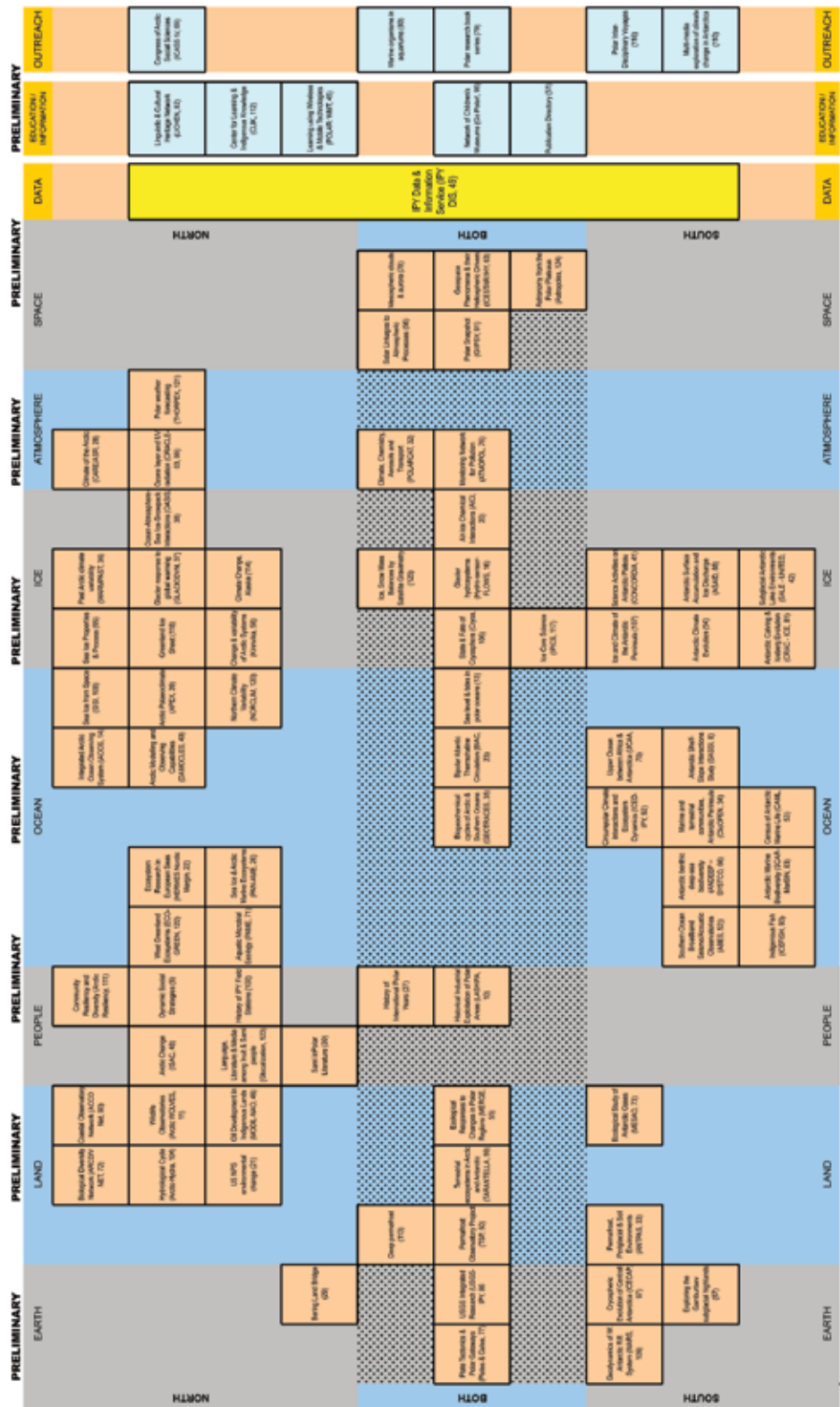
Eric Thouvenot, *Centre National d'Etudes Spatiales, France*

Licheng Zhao, *China Meteorological Administration, China*

IPY Project Charts, 2005–2010

The set of evolving IPY project charts (known as IPY 'honeycomb' planning chart) illustrate the growing numbers and various features of the international projects planned during IPY 2007–2008 and endorsed by the IPY Joint Committee. Each honeycomb chart shows how the approved IPY projects are distributed between the Arctic and the Antarctic, with some being bipolar, and how the projects are clustered into eight fields dealing with the solid Earth, the Land, the People living in the polar regions, the Oceans, Ice, the Atmosphere, Outer space, Education and Outreach and Data Management. The number in each cell refers to the proposal ID number in the IPY Full Proposal database. The IPY honeycomb charts were created by David Carlson (courtesy IPO).

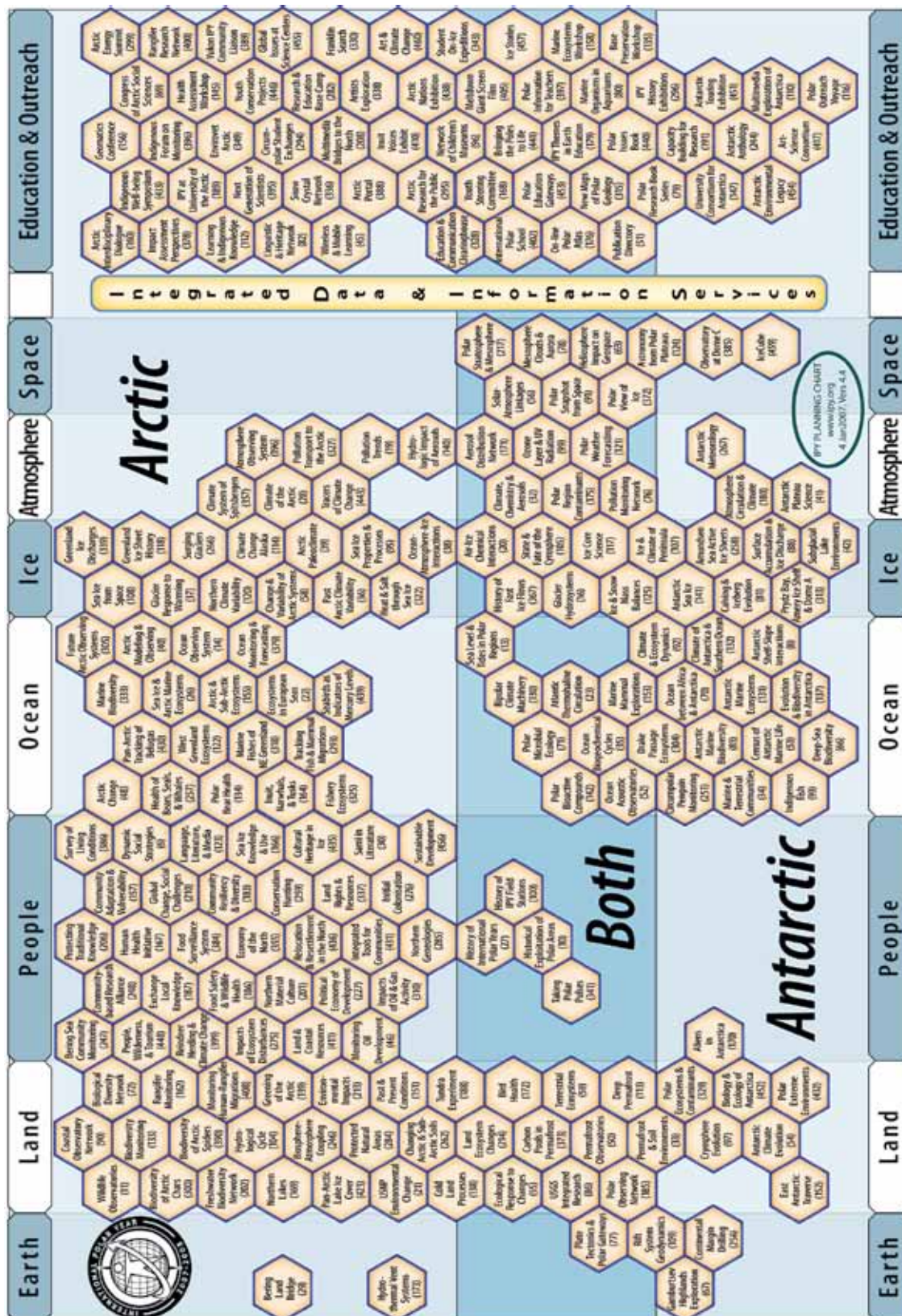
Appendix 6 Fig.1. IPY project chart, version 1, August 2005, lists 85 projects that were endorsed by the IPY Joint Committee following the first round of IPY 'full proposal' submission in June 2005.



Note: Based on initial assessments, subject to change and improvement. 86 proposals

664 IPY 2007–2008





Appendix 6 Fig.4.
Version 4.4, January
2007 presents
228 endorsed IPY
proposals: 166 in
science and 52
in education and
outreach. It was
published in The
*Scope of Science for IPY
2007–2008* (Allison et
al., 2007) prior to the
official launch of IPY
in March 2007.

Appendix 6 Fig.5.
Version 6.4, May 2008
features reported
level of funding
for the endorsed
IPY projects:
'substantially funded'
(dark blue), 'partially
funded' (light
blue), 'no funding'
or 'funding status
unknown' (original
cell color), withdrawn
(black color).



List of the National IPY Committees

Argentina

IPY National Committee for Argentina

Chair: Sergio Marensi
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Australia

IPY National Committee for Australia

Chair: Amanda Lynch
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Australian Academy of Science, GPO Box
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Austria

IPY National Committee for Austria

POC: Wolfgang Schöner
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Austria

Belgium

IPY National Committee for Belgium

Chair: Hugo Declair
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Brazil

IPY National Committee for Brazil

Chair: A.C. Rocha-Campos
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Bulgaria

IPY National Committee for Bulgaria

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IPY National Committee for Canada

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IPY National Committee for Czech Republic

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IPY National Committee for Denmark

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IPY National Committee for Finland

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IPY National Committee for France

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Germany

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Co-Chair: Arthur Chilingarov
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11600, Uruguay

Ethical Principles for the Conduct of IPY Research

At the JC-5 meeting (March 2007), the ICSU-WMO Joint Committee for International Polar Year 2007–2008 has established the following ethical guidelines for IPY researchers. These were posted on the main IPY website on 22 May 2007 (www.ipy.org/links-a-resources/item/796-ethical-principles-for-the-conduct-of-ipy-2007–2008-research)

All researchers working in Polar regions have an ethical responsibility to avoid harming the environment and to respect and avoid disruption to the lifestyles and livelihoods of Polar peoples. These responsibilities are entrained in a variety of international, national and regional laws, guidelines and codes-of-conduct, and researchers have a duty to be familiar with these before commencing their projects.

Every endorsed IPY 2007–2008 project will operate under and comply with the guidelines and policies determined by a combination of the location and subject of their work, the source of their research funds and their professional training and affiliation. This includes obtaining all necessary permits for their research and strictly complying with the conditions of these.

Those projects taking place in the Antarctic will be subject to the requirements of the Antarctic Treaty system, including those of the Convention on Antarctic Seals, the Convention on the Conservation of Antarctic Marine Living Resources, the Protocol on Environmental Protection to the Antarctic Treaty and the relevant measures of the Antarctic Treaty Consultative Meeting (ATCM) and the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR).

Projects in the Arctic will abide with the national laws and regulations on access, permits, environmental regulations and other obligations. The IPY Joint Committee urges researchers not only to satisfy the legal requirements which are obligatory in many polar

nations, but to comply with the relevant ethical principles for the conduct of research in Polar regions in every aspect of IPY-endorsed activities. Examples of the type of guidelines that should be followed include:

- The Ethical Principles adopted by the International Arctic Social Sciences Association (IASSA), *Guiding Principles for the Conduct of Research* (1998; www.iassa.org/about-iassa/research-principles).
- The U.S. National Science Foundation Office of Polar Projects (NSF-OPP) "Principles for the Conduct of Research in the Arctic." A more detailed discussion of these principles is presented in *People and the Arctic. A Prospectus for Research on the Human Dimensions of the Arctic System* (1997; www.arcus.org/harc/HARC_Prospectus.pdf).
- The Canadian *Ethical Principles for the Conduct of Research in the North* (1997; <http://ycdl4.yukoncolleg.yk.ca/~agraham/ethics/ethics/htm>). See also *An Overview of Conflicting Concerns and Ideas about Northern Research* by Amanda Graham (1997).
- The Alaska Native Knowledge Network (ANKN) guidelines, *Alaska Federation of Natives Guidelines for Research* (1993; www.ankn.uaf.edu/IKS/afnguide.html).

All IPY 2007–2008 biomedical research on human subjects should be conducted in accord with the Declaration of Helsinki on Ethical Principles for Medical Research Involving Human Subjects (1964, amended in 1975, 1983, 1989, etc., 2008; www.wma.net/en/30publications/10policies/b3/index.html).

IPY Timeline 1997–2010

Compiled by Amanda Graham

Edited by Igor Krupnik and Nicola Munro

The 'Chronological List of IPY 2007–2008 Events' (IPY Timeline) was originally developed by Amanda Graham, coordinator and instructor of the University of the Arctic at the Yukon College in Whitehorse, Canada for her online class on the International Polar Years. The course continued until December 2009 under the title 'International Polar Year IV: Context and promises (Northern Studies 216 – see <http://ycdl4.yukoncolleg.yk.ca/frontier/files/ipy/yukoncollegeipycoursenost216.pdf>). By April 2007, the IPY Timeline, which was a part of the IPY course materials, featured over 150 events from 1999 till spring 2007. The list was arranged as an excel spreadsheet and included both international and national activities, conferences, publications, and online and published sources for each item. It was by far the largest and the most detailed chronology of activities associated with IPY 2007–2008 then available to the IPY students and general public.

In November 2007, Igor Krupnik added scores of other IPY-related dates and documents, primarily from the time of the early planning for IPY 2007–2008. Other online sources were searched, including the original IPY website (<http://classic.ipy.org/news/index.php>, <http://classic.ipy.org/about/events>) and the U.S. national IPY website (www.ipy.gov); both featured several important events associated with the early IPY planning and implementation. Amanda Graham continued to update her 'IPY Timeline,' so that by November 2009 it included more than 950 entries. At this time it was agreed to publish the Timeline as an Appendix to the forthcoming JC Summary IPY 2007–2008.

The present list contains more than 300 events, a fraction of the 2009 completed timeline, mostly those associated with the activities of the IPY Joint Committee and its Subcommittees, other international groups active in IPY, major international meetings and publications. For this version we surveyed the news entries featured in the electronic issues of the IPY Monthly Report produced by the IPO from May 2007 to May 2010 and in the IPY 'news archives' posted on the main IPY website between December 2006 and September 2010 (www.ipy.org/news-a-announcements). We also deleted references to most online and published sources, as many are featured in the chapters of this Report. Ian Allison, Jerónimo López-Martínez, Volker Rachold, Eduard Sarukhanian and Colin Summerhayes made valuable additions to the list. The timeline ends on 30 September 2010, the day the IPY International Programme Office was closed.

Igor Krupnik

1. Origination Phase, 1997–August 2003

1997

Chris Rapley, Executive Director of the International Geosphere-Biosphere Programme (IGBP) in Stockholm sends a letter to the ICSU Secretariat arguing for a major celebration event to be organized for the 50th anniversary of IGY in 2007

Late 1990s (?)

Several letters by Leonard Johnson, former Director of the Arctic program, U.S. Office of Naval Research, to the IASC Secretariat in Oslo, Norway inquiring about the prospects for a new International Polar Year in 2007

1999

July 28. 22nd General Assembly of the International Union of Geodesy and Geophysics (IUGG) in Birmingham, U.K. (18–30 July); International Association of Geomagnetism and Aeronomy (IAGA) adopts resolution suggested by the Scientific Committee On Solar-Terrestrial Physics (SCOSTEP) on commemorating the 50th anniversary of IGY 1957–1958 in 2007

???? SCOSTEP Bureau (Scientific Committee on Solar-Terrestrial Physics) adopts a proposal for 'IGY+50' event by Dan Baker, University of Colorado

2000

July 10. ICSU Secretariat receives the first 'IGY+50' proposal from SCOSTEP based upon Dan Baker's plan for 'IGY+50' endorsed by the SCOSTEP Bureau in 1999; the proposal, 'The IGY plus 50 years: New Perspectives for the Next Millennium' argues for a worldwide program of research into the geophysics, geochemistry, biology, and the dynamics of the solar-terrestrial and solar-planetary systems in 2003–2008

July 17. SCAR XXVI biannual meeting in Tokyo, Japan (17–21 July); the delegates are briefed about the recommendation of the XII COMNAP (Council of Managers of National Antarctic Programmes) meeting a week prior 'to prepare for recognition of the 50th anniversary of the International Geophysical Year in 2007–08'

December 15. European Polar Board Executive Committee discusses the forthcoming celebration of the 50th anniversary of IGY 1957–1958 in 2007 as a "long term issue" (15–16 December, Paris)

2001

February. First proposal for an 'International Heliophysical Year' (Joseph Davila, Arthur Poland, and Richard Harrison) to commemorate the 50th anniversary of IGY in 2007

April 22. Arctic Science Summit Week (ASSW) in Iqaluit, Canada (22–29 April); the possibility of a new IPY is discussed briefly by the European Polar Board (EPB), Forum of Arctic Research Operators (FARO), and IASC Executive Council; no actions taken

June 24. International Symposium "Perspectives of Modern Polar Research" Bad Durkeim, Germany (24–26 June) to celebrate 175th anniversary of the birth of Georg von Neumayer; strong consensus from the participant discussion that an international program should be launched to commemorate the 125th anniversary of the first IPY in 2007

July 31. IUGG (International Union of Geodesy and Geophysics) Bureau Meeting on 'IGY+50' to discuss plans for the 50th anniversary of International Geophysical Year (IGY) in 2007

August 19. IAGA Executive Committee meeting in Hanoi, Vietnam (19–25 August) to discuss the 'celebration of the 50th anniversary of the International Geophysical Year in 2007'; the idea of an "Electronic Geophysical Year" is also suggested

August 22. Joint SCAR/COMNAP meeting discusses possible activities that may be promoted to celebrate the 50th anniversary of the International Geophysical Year in 2007–2008

October 25. International workshop with EU-Russia-Canada-U.S. participation, "A Common Approach to Collaborative Technological Research for Arctic Development" organized by the EU Joint Research Centre in Brussels, Belgium (25–27 October 2001); Russian polar explorer Arthur Chilingarov proposes launching 'Third International Polar Year' among several prospective collaborative projects

December. Leonard Johnson publishes a short article in *Eos*, 82(51) on the Neumayer Symposium, with a proposal for the 'Fourth International Polar Year'

December 20. Arthur Chilingarov reiterates his appeal for a series of collaborative initiatives in the polar regions, including the 'Third International Polar Year,' in a letter to the Directorate-General for Research of the European Commission in Brussels

2002

February. Consultations between ICSU and IUGG about planning of a follow-up to the International Geophysical Year (IGY+50)

April. "International Polar Year 2007: A Discussion Paper" by Leonard Johnson published by the *AOSB Newsletter*, spring 2002 issue

April 9. Leonard Johnson promotes IPY at the 84th meeting of the U.S. Polar Research Board (PRB) in Washington, DC, U.S.A. in a talk titled *Origins and Content of Proposal to Conduct International Polar Year*

April 21. Arctic Science Summit Week (ASSW) in Groningen, The Netherlands (21–26 April); several participating bodies discuss the possibility of IPY in 2007

April 21. At the Arctic Ocean Science Board annual meeting (AOSB XXI, 21–23 April) during the ASSW in Groningen, Leonard Johnson presents a proposal for 'International Polar Year 2007'; the Board encourages 'further development of the IPY 2007 concept'

April. Russian scientists visit the European Commission Joint Research Centre office in Brussels for discussion on the Russian proposal for a 'Third International Polar Year'

July 22. 27th Meeting of SCAR Delegates in Shanghai, China (22–26 July); the Delegates support the motion for a new IPY program "to celebrate the 50th anniversary of the IGY"

August. "The International Heliophysical Year (IHY)," news item in *COSPAR Information Bulletin*, 154, August 2002, pp. 2–3

October 17. IHY planning session at the World Space Congress in Houston, TX, U.S.A.

October 21. World Climate Research Programme' (WCRP), joint Scientific Steering Group for the Arctic Climate System Study (ACSYS) and Climate and Cryosphere (CLIC) Project meeting in Beijing, China (21–25 October 2002); the concept of an International Polar Year (IPY) to mark the 50th anniversary of IGY in 2007–2008 is introduced as "being discussed in many fora"; the group agreed that the cryosphere and climate should be important elements of the future IPY

November 25. U.S. Polar Research Board special planning session, "How Might the Polar Science Community Commemorate the Upcoming Anniversary of the International Polar Year?" Washington, DC, U.S.A.

2003

January 22. Russian Polar Foundation hosts an international meeting in Moscow, Russia with the representatives of the EC Joint Research Centre and EPB on scientific collaboration for a 'Third International Polar Year 2007/8'

February 6. Chris Rapley and Robin Bell submit two-page proposal to the ICSU Executive Board with the aim to "establish an ICSU Planning Group for an International Polar Year 2007/8" on behalf of the European Polar Board, SCAR, and U.S. Polar Research Board

February 8. ICSU Executive Board at its 86th Meeting (8–9 February) approves the proposal and work-plan for the 'ICSU Planning Group for International Polar Year 2007/08; the Group is charged to provide a draft plan for an IPY 2007/8 for the ICSU Executive Board meeting in February 2004, and then develop a final plan for presentation to the ICSU 28th General Assembly in 2005

March 3. European Polar Board sends a letter to all EPB National Delegates to inform them of the ICSU decision and request their input to IPY planning

March 28. AOSB meeting in Kiruna, Sweden endorses IPY 2007–2008 and nominates AOSB 'drafting group' to develop a white paper with specific suggestions for the IPY planners by May 15, 2003

March 31. Arctic Science Summit Week (ASSW) in Kiruna, Sweden (31 March–4 April) offers several venues for discussions regarding proposed IPY 2007–2008; Chris Rapley and Chris Elfring (U.S. Polar Research Board) give plenary talk on the emerging vision for IPY on behalf of the EPB and U.S. PRB

April 9. Arctic Council Senior Arctic Officials (SAO) meeting in Reykjavik, Iceland (9–10 April) is briefed on the proposal for IPY 2007–2008

April 22. Russian Academy of Sciences approves "Concept of Conducting the 3rd International Polar Year"

May 5. 14th World Meteorological Congress (5–24 May, Geneva) endorses Russian proposal for the 'Third International Polar Year' and charges WMO Executive Council to establish an ad hoc working body to develop a plan of action in preparation for the Third International Polar Year and to coordinate its implementation

June 9. ATCM XXVI, Madrid, Spain (9–20 June) adopts Resolution 3 on "Support of the ATCM for the International Polar Year 2007/8"

June 17. Proposal for IPY activities submitted to AOSB by the AOSB IPY 'drafting group'

June 26. Joint Russia-EU Workshop on Polar Research at the Centre Albert Borschette, Brussels (26–27 June), discusses plans for collaborative activities during IPY 2007–2008

July. The *AOSB Newsletter (News from the AOSB)* features special 'IPY Issue' with a front-page article "Planning for the International Polar Year 2007–08" and an extended paper by the AOSB 'drafting group' (Bob Dickson, Leif Anderson, Sergey Priamikov, and Tom Pyle)

July 10. Proposal from the International Association of Geomagnetism and Aeronomy (IAGA) task group for the "IGY+50 program" (later to become the 'electronic Geophysical Year, e-GY) approved by the IAGA Executive Committee meeting in Sapporo, Japan

July 15. Paper proposing an International Heliophysical Year in 2007 (Davila et al., 2003) published in *Advances in Space Research*, 34(11): 2453–2458

July 21. International Permafrost Association (IPA) Council meeting in Zurich, Switzerland (21–25 July) endorses IPA participation in the IPY 2007–2008 planning process

2. Early Planning, August 2003–December 2004

2003

July 31, 2003. 1st meeting of the ICSU Planning Group (PG) for IPY 2007–2008 (PG-1) at ICSU Secretariat in Paris (31 July–2 August)

July 31. Thomas Rosswall, Executive Director of ICSU and Michel Jarraud, WMO Secretary-General, meet at the first Earth Observing Summit in Washington, DC (31 July–1 August 2003); the two parties agreed to share information about their respective work on the 'third' (WMO) and 'fourth' (ICSU) polar year

September 3. ICSU releases full list of members of the ICSU PG and issues first call for submission of 'ideas' for prospective IPY activities

September 3. Open letter from the ICSU International Polar Year 2007/8 Planning Group informing the polar science community of the beginning of the planning process for IPY 2007–2008 and sharing the Planning Group approach and work plan

September 7. Memo from Thomas Rosswall to ICSU constituent bodies in support of the planning for IPY 2007–2008 and ICSU PG activities

September 9. IPY Planning timeline compiled by ICSU PG

September 17. Thomas Rosswall meets with Michel Jarraud and Directors of leading WMO Departments at the WMO Secretariat in Geneva and briefs them on the activities of ICSU PG for IPY; at the meeting Eduard Sarukhanian presents a document, *Third International Polar Year (2007–2008)* regarding the WMO position on IPY and proposing "to hold the International Polar Year in 2007/08 as a WMO and ICSU joint initiative"

September 19. "International Polar Year 2007–2008" letter in *Science* by P.A. Berkman, 301(5640)

September. Special issue of the journal *Water & Atmosphere* (Vol.11, no. 3, September 2003) on science research in Antarctica informs of the plans for an "International Polar Year" in 2007/08 to mark the fiftieth anniversary of IGY of 1957–58"

October 3. European Science Foundation creates an 'About IPY 2007–2008' webpage

October 14. UNESCO General Assembly refers to identifying the "desirability of joint action in relation to the International Polar Year (2007–2008)"

October 23. Senior Arctic Officials Meeting of the Arctic Council, Svartsengi, Iceland (23–24 October) reviews information on IPY 2007–2008 and expresses its support to IPY planning

November 3. 3rd Shelf-Basin Interaction Pan-Arctic Meeting, Cadiz, Spain (3–7 November) proposes an "ARCTIC SNAPSHOT" of key parameters at the shelf break for IPY 2007–2008

November. IASC Executive Committee discusses preparation for IPY

December 15. American Geophysical Union (AGU) Fall Meeting in San Francisco (8–12 December) features two sessions on IPY, a massive poster session, and an IPY 'town-hall' meeting

December 17. 2nd Meeting of the ICSU Planning Group for IPY 2007–2008 (PG-2), in Paris (17–19 December)

2004

January 15. Revised draft plan for the Electronic Geophysical Year (eGY) disseminated online

January 19. International Council of Science (ICSU) invites offers via National IPY Committees or IPY National Points of Contact to host a future International Programme Office (IPO) for IPY 2007–2008

January 22. International Meeting on Cooperation for IPY 2007–2008 at the Arctic and Antarctic Research Institute (AARI), St Petersburg, Russia (22–23 January), with some 40 participants, including representatives of WMO, the ICSU Planning Group, European and U.S. Polar Boards, Arctic Council, IASC, the EC, and Directors of Polar Centers of Chile, Finland, Japan, and Sweden; the meeting adopts Joint Statement on “Cooperation for the International Polar Year 2007–2008”

January 28. ICSU PG for IPY produces an update for ICSU on the IPY planning process and issues its second call for additional input from the national IPY committees, ICSU Scientific Unions, and broad science community for research ‘ideas’ for the IPY science program

February 9. ICSU PG submits its report to the 88th Meeting of the ICSU Executive Board (11–12 February)

February 11. ICSU Executive Board approves the interim report of the PG and votes to establish International Polar Year 2007–2008, subsequent to confirmation by the 28th General Assembly of ICSU in 2005; the Board proposes that ICSU and WMO should jointly sponsor IPY and appoint a Committee to plan and coordinate IPY activities

February 13. ICSU PG sends a community update letter notifying that 14 nations have established National IPY Committees or National Points of Contact and at least 6 more are in the process of doing so

March 5. Short statement on IPY by the U.S. National IPY Committee published in *Science* (“The International Polar Year” by M. R. Albert et al., *Science* 303(5663): 1437)

March 15. Deadline for “Input from National IPY committees, ICSU National and Union Members, other scientific bodies and the broader science community” for submission to ICSU PG for a summary discussion at the Arctic Science Summit Week 2004

March 9. Chris Rapley gives a presentation on the ICSU PG activities at the WMO Secretariat in Geneva; discussion on the joint ICSU-WMO efforts for IPY preparation

March 31. 1st IPY ‘Discussion Forum’ (open community meeting), Reid Hall, Paris

April 1. 3rd Meeting of the ICSU PG (PG-3), Reid Hall, Paris (1–3 April)

April 20. The initial *Outline Science Plan for IPY 2007–2008* released by ICSU PG

April 21. IASC Arctic Science Summit Week (ASSW), in Reykjavik, Iceland (21–25 April); draft Outline Science Plan for IPY presented

for comments to participants

April 25. IASC expresses its reservations about the ‘weak handling of the human element’ in the initial *Outline Science Plan* during ASSW in Reykjavik

April 26. Arctic Ocean Sciences Board (AOSB) Twenty-third Meeting (AOSB XXIII, 26–28 April), in Reykjavik, endorses initial *Outline Science Plan for IPY 2007–2008* and advances in the preparation of the AOSB integrated feasibility study for IPY

April 29. Draft Outline Science Plan for IPY 2007–2008 presented for comments to participants of the European Geosciences Union (EGU) Assembly, Nice, France

April. Provisional IPY central website www.ipy.org established; eventually migrated to <http://classic.ipy.org>

May 4. Arctic Council’ Senior Arctic Officials meeting in Selfoss, Iceland (4–5 May); IPY Outline Science Plan endorsed by the parties though criticized for inadequate attention to the cultural and social issues in the Arctic

May 18. IPY Session at 2004 Joint Assembly of the American Geophysical Union, Canadian Geophysical Union, Society of Exploration Geophysicists, and the Environmental and Engineering Geophysical Society in Montreal, Canada (17–21 May)

May 23. 5th International Congress of Arctic Social Sciences (ICASS V), Fairbanks, U.S.A. (19–23 May); General Assembly of the International Arctic Social Sciences Association (IASSA) adopts resolutions supporting IPY 2007–2008 and arguing for more active role of social scientists and polar residents in its planning; special IASSA-IPY task group formed to assist in developing socio-cultural components for the IPY program

May 23. ATCM XXVII, Cape Town, South Africa (23 May–4 June); Item 10. Relevance of Developments in the Arctic and in the Antarctic and the International Polar Year 2007/2008

June 1. ICSU Officers meeting approves the merger of ICSU and WMO planning processes for IPY 2007–2008 (1–2 June, Paris)

June 11. Paper “Building on the IGY anniversary” by J.A. Joselyn published in *Science* 304(5677): 1599

June 14. 56th session of WMO Executive Council endorses joint co-sponsorship of IPY with ICSU and the establishment of the ‘Joint Organizing Committee’ (later renamed to *Joint Committee*) for IPY 2007–2008

June 23. U.S. workshop “Bridging the Poles: Linking Education with Research” in Washington DC, U.S.A. (23–24 June), first

documented effort to advance education and outreach component of IPY 2007–2008

June 26. 37th session of Executive Council of Intergovernmental Oceanographic Commission (IOC) of UNESCO adopts Resolution EC-XXXVII.3, to express interest in joining the ICSU–WMO Joint Organizing Committee for IPY 2007–2008 and to develop a plan for IOC participation in IPY

July 25. SCAR 28th Meeting and 1st SCAR Open Science Conference “Antarctica and the Southern Ocean in the Global System,” Bremen, Germany (25–31 July); draft *Outline Science Plan* for IPY is presented for comments to participants

July 30. Meeting of SCAR Ad Hoc Advisory Committee on IPY, in conjunction with the SCAR 28th Meeting, Bremen

August 3. Scientific Committee on Oceanic Research (SCOR) research programme iAnZone workshop at the University of East Anglia, Norwich, U.K. to discuss the next iAnZone project, which will be an IPY contribution

August 16. Letter of invitation by ICSU and WMO (20 August) addressed to ICSU National Members, Scientific Unions, Interdisciplinary Bodies, WMO Executive Council members and IPY National Committees asking for nominations to the membership on the Joint Committee for IPY 2007–2008

August 19. SALE (Subglacial Antarctic Lake Environments) science plan document for IPY 2007–2008 released

August 29. Workshop on Frontiers and Opportunities in Antarctic Geosciences, Siena, Italy (29–31 August), with several papers outlining research plans for IPY 2007–2008

September 1. The revised document “A Framework for IPY 2007–2008” completed by the ICSU PG; new theme to feature socio-cultural and human research in IPY (‘human dimension’) added

September 5. Sixth Conference of Parliamentarians of the Arctic Region, Nuuk, Kalaallit Nunaat, Greenland, (3–6 September 2004) endorses IPY and encourages participating nations to take an active part in the planning of IPY, support the creation and funding of National Committees and the coordination by ICSU, and promote the full inclusion of the social, cultural and economic dimension of the Arctic, including the traditional knowledge of northern indigenous societies

September 10. Second Asian Forum on Polar Sciences (AFoPS II), in Seogwipo, Korea; members approve of joint contribution to IPY

September 13. Second IPY Open Discussion Forum, Reid Hall, Paris (13–14 September)

September 15. Fourth and final meeting of ICSU PG (PG-4) endorses the IPY *Framework* document, Paris (15–17 September)

September 23. SCOR Meeting on Coordination of International Marine Project, Mestre, Italy (23–24 September) reviews several IPY-related issues, including project coordination in the area of Southern Ocean research and participation in IPY

September 28. Prepublication version of the IPY *Framework* document (Rapley et al., 2004) made public to facilitate timely access to the PG report

October. ICSU PG completes its Terms of Reference

October 3. SCAR Recommendations on IPY approved at XXVIII SCAR Delegates meeting in Bremerhaven, Germany (3–9 October)

October 6. IPY is brought up in a session of the International Group of Funding Agencies for Global Change (IGFA) Annual Meeting in Reykjavik in a keynote presentation by Robert Corell (6–8 October)

October 7. U.S. National IPY Committee’s report, *A Vision for International Polar Year 2007–2008* (Albert et al., 2004) published

November 1. *Framework for the International Polar Year, 2007–2008* document produced by the ICSU PG published

November 1. IPY International Programme Office established in Cambridge, U.K. with Dr. Cynan Ellis-Evans as the interim director

November 5. ICSU and WMO announce a new call for “Expressions of Intent” (EoI) for future IPY 2007–2008 activities (a letter is distributed 19 November in Arabic, English, French, Spanish, and Russian)

November 17. Announcement of position of Director, IPY International Programme Office issued by ICSU and WMO

November 18. Official release of the membership of the ICSU–WMO Joint Committee for IPY

November 20. 89th Meeting of the Executive Board of ICSU, Trieste, Italy (20–22 November) approves the IPY *Framework* document, expresses appreciation to the Planning Group members, and approves the Terms of Reference for the ICSU–WMO Joint Committee for IPY 2007–2008 and its membership

November 20. WMO Secretary-General approves Terms of Reference and membership of the ICSU–WMO JC for IPY 2007–2008 Co-Chaired by Ian Allison and Michel Béland

November 24. Arctic Council Meeting of Foreign Ministers in Reykjavik, Iceland adopts a Declaration that recognizes IPY 2007–2008 as a unique opportunity to stimulate cooperation and coordination on Arctic research and increase visibility of the Arctic region; underlines the role of the Arctic Council as a high level intergovernmental forum in providing political support for IPY; and decides that the Arctic Council will develop proposals to the IPY Joint Committee

December 14. Three IPY special sessions at AGU Fall Meeting, San Francisco, U.S.A. (13–17 December)

December 31. Japan announces that its Antarctic Syowa Station will be open to scientists from other Asian nations for research on global warming during IPY 2007–2008

3. Program Development and Implementation, 2005–March 2007

2005

January 12. AMAP (Arctic Monitoring and Assessment Programme of the Arctic Council) Secretariat in its letter of support to IPY argues for close cooperation between the AMAP and IPY efforts in the Arctic

January 14. Deadline for first call by ICSU and WMO for expressions of intent for the IPY 2007–2008 science activities

February 21. A total of 856 Expressions of Intent for IPY 2007–2008 activities are loaded into the searchable IPY database; Eols are reviewed by the members of the ICSU-WMO Joint Committee for IPY

February 22. 3rd International Symposium on the Arctic Research, Tokyo, Japan (22–24 February)

March 4–5. Interviews for the position of the International Programme Office Director, Cambridge, U.K.

March 7. 1st Meeting of the ICSU-WMO Joint Committee for IPY (JC-1) at the ICSU Headquarters in Paris (7–9 March)

March 10. IPY Open Consultative Forum at the Headquarters of UNESCO, under the aegis of the Intergovernmental Oceanographic Commission in Paris, France, in conjunction with JC-1

March 15. JC Announcement of Call for IPY 'Full Proposals,' first submission deadline by June 30, 2005

March 30. International Workshop on the *Arctic Climate Impact Assessment Report* and on the Climate Changes in the Arctic and

on planning for IPY 2007–2008 in the Arctic at the Arctic and Antarctic Research Institute (AARI), St. Petersburg, Russia (30 March–1 April)

March 30. Eol assessment letters signed by the JC Co-Chairs Ian Allison and Michel Béland dispatched to all Eol applicants encouraging them to proceed with the coordinated 'full proposals' for IPY 2007–2008 activities (30 March–1 April)

April 4. 1st Meeting of the WMO Inter-Commission Task Group on IPY reviews status of IPY preparation by National Meteorological Services and WMO technical commissions and prepares recommendations to Executive Council (4–6 April)

April 6. IPY presentation at the Arctic Council SAO meeting, Yakutsk, Russia

April 11. WCRP CliC (Climate and Cryosphere Programme) Science Conference in Beijing, China discusses plans for IPY 2007–2008 (11–15 April)

April 17. Arctic Science Summit Week in Kunming, China, with several meetings discussing plans for IPY 2007–2008 collaboration (17–24 April)

April 19. 3rd Meeting of the Asian Forum for Polar Sciences (AFoPS III) in Kunming, China in conjunction with the Arctic Science Summit Week (ASSW) and Pacific Action Group Meeting

April 27. Town Hall meeting for IPY 2007–2008 planned teaching initiatives at the European Geosciences Union (EGU) General Assembly, Vienna, Austria (24–29 April)

April 28. Research seminar and international workshop, "Nordic research cooperation within the social sciences and humanities connected to the International Polar Year, IPY 2007–2008" in Ilulissat, Greenland (28 April–2 May)

May 5. IPO releases Proposal Template and Guidance Notes for June 30 submission of the 'full proposals' for the IPY activities

May 9. David Carlson appointed to the position of Director of the IPY 2007–2008 International Programme Office (IPO) in Cambridge, U.K.

May 12. Joint Paper, *Coordination of International Research Programmes in the Arctic and Polar Region* prepared by the Secretariats of IPY, ICARP II, and ACIA released online

May 17. 12th International Symposium on Polar Sciences, Seoul, Korea (17–19 May)

May 23. "Study of Environmental Arctic Change: Plans for Implementation During the International Polar Year and

Beyond," implementation workshop in Landsowne VA, U.S.A. (23–25 May). First plans for an Arctic Observing Network (AON) to be developed during IPY

May 25. Special session, "The International Polar Year Takes Shape" and the IPY Town Hall meeting at the American Geophysical Union (AGU) Spring Meeting, New Orleans, U.S.A. (23–27 May)

May. ICSU and WMO invite the Arctic Council and the Antarctic Treaty Consultative Meeting to appoint one observer each to the JC for IPY

June 6. ATCM XXVIII meeting in Stockholm, Sweden reviews plans for IPY 2007–2008 (6–17 June)

June 9. CliC (Climate and Cryosphere, Programme Data Management and Information Panel Meeting, Boulder, CO, U.S.A. discusses IPY (9–11 June)

June 27. Modes of Southern Hemisphere climate variability workshop and panel meeting, Cambridge, U.K. with the theme 'Modes of Variability and the IPY' (27–30 June)

June 26. 57th session of WMO Executive Council notes the progress made by WMO and ICSU in the IPY planning and preparation, and encourages WMO Members to support IPY activities

June 30. First 'Full Proposals' for IPY 2007–2008 activities submission deadline; 109 proposals submitted to IPO

July 20. International Workshop, "Poles Together: Coordinating IPY Outreach and Education" in Boulder, CO, U.S.A. (20–22 July)

July–August. Joint Committee members and IPO staff process the first installment of IPY 'Full Proposals'; 85 initiatives endorsed for implementation

August 29. SCOR Executive Committee Meeting in Cairns, Australia, discusses international collaboration during IPY (29 August–1 September)

August 30. Initial version of the IPY Planning Chart featuring first 85 "Full Proposals" endorsed by the Joint Committee released online

September 6. Joint meetings of representatives of IPY 2007–2008, Electronic Geophysical Year (eGY), International Heliophysical Year (IHY), and International Year of Planet Earth (IYPE) signed a formal agreement ('Celimontana Declaration') on collaboration in data and information management, and education and public outreach activities under their respective initiatives (6–7 September, Rome, Italy)

September 18. International Polar Meeting organized by the German Society of Polar Research in Jena, Germany, discusses plans for IPY 2007–2008 (18–24 September)

September 30. Second submission deadline for 'Full Proposals' for IPY 2007–2008 research and public activities; 92 submitted

October 19. Outline for IPY implementation under the JC stewardship is presented by Ian Allison to the delegates at the 28th ICSU General Assembly in Suzhou, China (17–21 October); the Assembly officially endorses IPY and stresses its commitment to IPY goals and activities

November 13. 2nd IPY Open Consultative Forum in conjunction with the International Conference on Arctic Research Planning (ICARP), Copenhagen, Denmark (10–12 November)

November 15. 2nd Meeting of the ICSU-WMO Joint Committee for IPY (JC-2) at WMO Headquarters in Geneva (15–17 November)

November 21. WMO Coordination Meeting on Antarctic Meteorology and related IPY Activities, St. Petersburg, Russia bringing experts from Argentina, Australia, Chile, Italy, Russian Federation and U.K. (21–25 November)

November 28. The International Hydrographic Organization (IHO/IHB) calls for increased hydrographic surveying around the Antarctic Peninsula during IPY

December 4. International workshop, 'Antarctic Sea Ice in IPY' in Dunedin, New Zealand to review plans for cruises, station work, modeling, and remote sensing that are being planned for Antarctic sea ice during IPY and to organize efforts for international collaboration, data archiving, and communication with other IPY efforts, both Arctic and Antarctic

2006

January 1. U.S. National Oceanic and Atmospheric Administration (NOAA) publishes 200-page 'International Polar Year 2007–2008' bibliography that includes references to historical sources related to IPY-1, IPY-2, and IGY

January 10. 1st Meeting of the IPY Education, Outreach and Communication (EOC) Subcommittee in Paris

January 31. Third submission deadline for IPY 'full proposals'; 209 proposals are received

February 14. AMAP–IPY Coordination meeting, Oslo, Norway

February 22. New IPY Education and Outreach website launched <http://cires.colorado.edu/education/k12/ipyoe/index.html>

- March 2. IPY Data Management Subcommittee meeting and Data Management Workshop at the British Antarctic Survey in Cambridge, U.K. (2-4 March)
- March 6. Two IPY Education and Outreach joint sessions with the International Permafrost Association at the annual meeting of the American Association of Geographers in Chicago (6-10 March 2006)
- March 14. BBC "Countdown to IPY" event
- March 16. European IPY Education meeting in Brussels (16-17 March)
- March 22. Arctic Science Summit Week with several meetings related to IPY 2007-2008 planning, Potsdam, Germany (22-29 March)
- March 24. 4th Meeting of the Asian Forum for Polar Sciences (AFoPS IV) discusses IPY activities, during the Arctic Science Summit Week in Potsdam, Germany
- March 27. 1st Meeting of the IPY Subcommittee on Observations in Potsdam, Germany (27-28 March)
- March 29. Permanent Committee of Legislators of the Arctic Region meeting in Ottawa to discuss preparations for IPY 2007-2008 and other issues related to the development of the North.
- April 2. IPY Exhibit and sessions at EGU General Assembly, Vienna, Austria (2-7 April)
- April 10. IPY Education and Outreach Discussion at COMNAP/INFONET meeting in Washington, DC, U.S.A. (10-11 April)
- April 18. IPY planning chart (project 'honeycomb' chart) v. 3.1 released by IPO
- April 20. 3rd Meeting of the ICSU-WMO Joint Committee for IPY (JC-3), Cambridge, U.K. (20-23 April)
- April 21. JC letter to National IPY Committees urging to focus on funding for national research programs and data management resources and policies
- April 24. International workshop, "Subglacial Antarctic Lake Environments (SALE) in the International Polar Year (IPY) 2007-2008: Advanced Science and Technology Planning" in Grenoble, France (24-26 April)
- April 26. Arctic Council Senior Arctic Officials meeting in Syktyvkar, Russia endorses preparations for IPY 2007-2008 (26-27 April)
- May 1. Report from the *Planning the Legacy of IPY 2007-2008: International Polar Year Data Management Workshop* (3-4 March 2006) published
- May 9. 13th International Symposium on Polar Science, Seoul, Korea, with the theme "From Molecules to Ecosystem in Polar Science: Toward IPY 2007-2008"
- May 14. International conference, "Antarctic Peninsula climate variability: observations, models, and plans for IPY research" at the University of Colorado, Boulder, U.S.A. (14-16 May)
- May 22. *International Polar Year 2007-2008 Data Policy* document (v. 1.0) posted by the IPO
- May 26. International scientific, public and outreach event, *EcoPolar Ushuaia 2006* in Ushuaia, Argentina features several activities related to IPY in Antarctica (26-28 May)
- June 10. Special session, "International Polar Year - global research and European public outreach: how can science centres contribute" in Mechelen, Belgium (8-10 June)
- June 12. IPY 2007-2008 represented for the first time at the ATCM XXIX in Edinburgh, Scotland (12-23 June)
- June 19. ATCM XXIX adopts the 'Edinburgh Declaration on IPY 2007-2008' pledging the ATCM members' support for IPY
- June 21. 39th session of IOC (Intergovernmental Oceanographic Commission) Executive Council confirms its support to IPY 2007-2008
- June 30. ESA (European Space Agency) announces it will provide current and historical data, dating back 15 years, from its ERS-1, ERS-2 and Envisat satellites to support IPY projects covering the Arctic and Antarctic regions
- July 1. First electronic quarterly *IPY IPO Newsletter* published online by the IPO
- July 8. 3rd IPY Open Consultative Forum in Hobart, Australia organized as part of the SCAR Open Science Conference
- July 8. 2nd Meeting of ad hoc SCAR Advisory Committee on IPY 2007-2008, Hobart, Australia
- July 12. Second SCAR Open Science Conference, "Antarctica in the Earth System", Hobart, Australia (12-14 July), with several sessions on IPY topics
- August 2. Seventh Conference of Parliamentarians of the Arctic Region in Kiruna, Sweden reviews Arctic cooperation and preparation for IPY 2007-2008

August 16. IPY Education and Outreach Subcommittee's Executive Meeting, Maine, U.S.A. (16-18 August)

September 8. First news item posted on the official IPY website managed by IPO; the website will serve as the main information venue for IPY until September 2010

September 11. First IPY 'Youth Steering Committee Working Group' announcement posted online

September 15. IPO releases the final count of international activities developed for IPY 2007–2008 including 1145 Expressions of Intent and 222 Full Proposals endorsed by the IPY Joint Committee

September 18. International IPY Education, Outreach and Communication workshop at Tarfala Research Station, Norbotten, Sweden

September 25. International Centre for Reindeer Husbandry in Kautokeino, Norway proposes for IPY Joint Committee to arrange the Opening of the Indigenous Peoples' International Polar Year in Kautokeino in February 2007

September 26. 4th Meeting of the ICSU-WMO Joint Committee for IPY (JC-4) in Longyearbyen, Svalbard, Norway (26-28 September)

October 5. 1st meeting of the Heads of the Arctic IPY Secretariats (later renamed as 'Heads of Arctic and Antarctic IPY Secretariats, HAIS) in Washington, DC, U.S.A.

October 10. Eurasian Sub-Office for IPY 2007–2008 is established at the Arctic and Antarctic Research Institute of Roshydromet (AARI) in St. Petersburg, Russia

October 19. IPY Education, Outreach, and Communication (EOC) Subcommittee Meeting in Bremerhaven, Germany (19–21 October)

October 24. 5th Arctic Council Meeting of Foreign Ministers in Salekhard, Russia adopts a Declaration that acknowledges the need for strong national financial support for IPY and welcomes "the expansion of IPY to include *the human dimension*", which the AC considers to be an important new feature of IPY 2007–2008

October 26. Joint Meeting of IPY Subcommittee on Observations and IPY Data Management Subcommittee in Beijing (26-27 October)

November 6. Second issue of the *IPY IPO Newsletter* posted

November 28. 9th Meeting of the WMO Working Group on Antarctic Meteorology in St. Petersburg, Russia (26-30 November) adopts the overview document, "International Polar Year 2007–2008 (IPY): Status of Preparation and the Role of EC-WGAM in the Implementation of the IPY in the Antarctic"

December 1. Space Task Group (STG) of the Subcommittee on Observations of the ICSU-WMO Joint Committee for IPY formed

December 10. The IPY Early Career Polar Scientists Network launched

December 11. American Geophysical Union (AGU) 2006 Fall Meeting, San Francisco, CA features several sessions related to IPY 2007–2008 (11–15 December)

December 20. UNESCO, Intergovernmental Oceanographic Commission (IOC) launches its IPY web site at <http://ioc.unesco.org/iocweb/index.php>

2007

January 1. 228 Full Proposals out of 422 submitted endorsed by the IPY Joint Committee

January 4. IPY project 'honeycomb' chart, v. 4.4 released by the IPO featuring 228 proposals that constitute IPY science, data management, and education-outreach program

January 17. 1st Meeting of the Space Task Group of the IPY Subcommittee on Observations in Geneva (17-19 January)

January 24. AMAP meeting in Tromsø, Norway (24-25 January) to fulfill the 26 October 2006 request of the Arctic Council to create a coordinated Arctic observing network that later became the SAON (Sustained Arctic Observing Network) initiative, an integral contribution to IPY

February 1. 2nd meeting of Heads of the Arctic and Antarctic IPY Secretariats (HAIS), Copenhagen, DK (1-3 February)

February 7. International Polar Year (IPY) 2007–2008 Facebook group formed (www.facebook.com/group.php?gid=2237529364)

February 13. *The Scope of Science for the International Polar Year 2007–2008* (Allison et al., 2007) produced by the IPY Joint Committee released by WMO (WMO/TD-No.1364. Geneva: World Meteorological Organization)

February 14. Opening of the Indigenous Peoples' International Polar Year 2007–2008 (IPIPY) in Kautokeino, Norway

February 16. Scientists at the South Pole station in Antarctica collected first test observations using new South Pole telescope, as the kick-off to IPY 2007–2008. The enormous telescope stands 22.8 m tall, measures 10 m across, and weighs 280 tons

February 19. Kickoff ceremony for the International Heliophysical Year 2007 in Vienna, Austria

February 22. IPY joint philatelic special issue, metal spiral, cased book of IPY stamp issues (19,500 print run; published by POST Greenland), Arctic 2007, from Canada, Denmark, Finland, Greenland, Iceland, Norway, Sweden and the U.S.

February 21 – March 9. National IPY launch ceremonies in Australia, Argentina, Brazil, Bulgaria, Canada, China, Denmark/Faroe Islands/Greenland, Iceland, Finland, France, Germany, India, Italy, Japan, The Netherlands, Norway, Poland, Portugal, Russia, South Africa, Spain, Sweden, U.K., Ukraine, U.S.A.

February 26. IPY international media launch

February 26. The European Science Foundation and the European Polar Board mark the launch of IPY in Europe with a day-long event in Strasbourg, France

February 27. IPY Data Management Subcommittee meeting in Paris, France

February 28. 5th Meeting of the IPY Joint Committee (JC-5) in Paris (28 February–2 March)

February 28. IPY Education and Outreach Subcommittee meeting Paris, France

4. Observation Period, 1 March 2007–1 March 2009

2007

March 1. Official launch of IPY 2007–2008 at an ICSU-WMO joint ceremony at the Palais de la Découverte in Paris

March 1. Breaking the Ice: Educational online launch event for IPY 2007–2008

March 1. Parliamentary Conference on the Northern Dimension of the European Parliament at its meeting in Brussels recognizes the significance of IPY 2007–2008 for “the development of Arctic science and for the possibility of creating a Charter for Arctic Governance”

March 5. “Polar Environment and Climate: The Challenges of European Research in the context of the International Polar

Year,” European Commission symposium in Brussels (5–6 March)

March 7. The launch of the online IPY Publications Database of bibliographic records for publications about or resulting from IPY 2007–2008 and three previous IPYs

March 13. IASC Arctic Science Summit Week (ASSW) in Hanover, NH, U.S.A., with a special plenary session celebrating the launch of IPY 2007–2008

March 15. HAIS 3rd meeting during the ASSW in Hanover, U.S.A.

March 16. European Polar Board, European Science Foundation releases brochure “Europe and International Polar Year 2007–2008”

March 23. World Meteorological Day 2007 celebrates the launch of IPY by focusing on Polar Meteorology and understanding of global impacts

March 30. 3rd and final quarterly electronic issue of the *IPY IPO Newsletter*

April 12. Arctic Council Senior Arctic Officials meeting in Tromsø, Norway discusses IPY

April 15. IPY sessions at the European Geosciences Union (EGU) General Assembly, Vienna, Austria (15–20 April)

April 23. ICSU Unions meeting in Rome is briefed on the developments in IPY 2007–2008

April 30. ACTM XXX: Antarctic Treaty Consultative Meeting in New Delhi, India (30 April – 11 May) reviews progress in IPY 2007–2008

April 30. Antarctic and Southern Oceans Coalition (ASOC) releases its 7-page report, “The Human Footprint of the IPY 2007–2008 in Antarctica,” at the XXX ATCM

May 1. First issue of the monthly electronic *IPY Report* released by the IPO to all IPY project coordinators, national IPY committees, IPY subcommittees and other community groups. Eventually 37 monthly issues were posted on IPY website till May 2010

May 7. 15th World Meteorological Congress in Geneva, (7–25 May) reviews progress in IPY and welcomes Canadian proposal to establish Global Cryosphere Watch as IPY legacy

May 22. Ethical Principles for the conduct of IPY 2007–2008 research posted online by the IPY Joint Committee (*Appendix 8*)

- June 5. The United Nations World Environment Day celebrated this year with a polar theme and a focus on polar issues and IPY 2007–2008
- June 5. Preliminary discussions with Google Earth about an IPY layer at the 5th International Symposium on Digital Earth (ISDE5), University of California Berkeley (5–9 June)
- June 11. IPY Education and Outreach Subcommittee meeting in Cambridge, U.K. (11–13 June)
- July 1. IGY+50-Antarctic science pioneers meeting in Wellington, NZ brings together about 40 scientists who participated in IGY research in Antarctica in 1957–1959
- July 7. Launch of the Electronic Geophysical Year (eGY) sponsored by the International Union of Geodesy and Geophysics (IUGG) at the IUGG General Assembly in Perugia, Italy
- August 20. First International Circumpolar Conference on Geospatial Sciences and Applications, “IPY GeoNorth 2007,” in Yellowknife, Northwest Territories, Canada (20–24 August)
- August 26. 10th International Symposium on Antarctic Earth Sciences, *Antarctica: A Keystone in a Changing World* (ISAES X) at the University of California, Santa Barbara (26–31 August) includes sessions on the earth science contribution to IPY
- September 10. OECD Global Science Program releases its assessment of the initiation and planning of IPY as a role model for International Years (Stirling 2007)
- September 16. International conference “50th Anniversary of the International Geophysical Year and Electronic Geophysical Year” in Suzdal, Russia (16–19 September)
- September 21. “International Polar Day–Sea Ice,” first in the series of ‘International Polar Days’ focused on sea ice launched by the IPO
- September 26. International Planning Workshop for IPY Youth and Early Career Scientists in Stockholm, Sweden (26–30 September). Following the meeting, the IPY International Youth Steering Committee (IYSC) and the Association of Polar Early Career Scientists (APECS) merged under a new structure keeping the name ‘APECS’
- September 28. The IPY operational data coordination web site launched by the IPY Data Policy and Management Subcommittee and the IPO
- October 1. SCAR meeting on the planning of a Southern Ocean Observing System (SOOS), Bremen, Germany, (1–3 October)
- October 18. Special issue of the *WMO Bulletin* (vol. 56, no. 4) focused on IPY 2007–2008, with an IPY overview and six articles covering polar weather, stratospheric ozone, polar atmospheric chemistry, polar oceans, cryosphere, and future space observations of polar regions
- October 23. IPY Data Management Subcommittee meeting, Quebec, Canada (23–24 October)
- October 24. IPY Education and outreach Subcommittee meeting, Quebec, Canada
- October 25. 6th Meeting of the ICSU-WMO Joint Committee for IPY (JC-6) in Quebec City, Canada (25–26 October)
- October 31. International Conference “Making Science Global: Reconsidering the Social and Intellectual Implications of the International Polar and Geophysical Years,” Smithsonian Institution, Washington, DC, U.S.A. (31 October–2 November)
- November 5. HAIS meeting, St. Petersburg, Russia (5–6 November)
- November 12. First IPY Workshop on Sustained Arctic Observing Network (SAON), Stockholm, Sweden (12–14 November)
- November 16. Official launch of the ‘Polar Artists’ Group in Kleinberg, Ontario, Canada
- November 26. 2nd Meeting of the Space Task Group of the IPY Subcommittee on Observations in Darmstadt, Germany (26–27 November)
- November 27. LIMA (Landsat Image Mosaic of Antarctica) project releases new satellite-based map of Antarctica, one of the earliest products of IPY produced by a team of researchers from NASA, the U.S. Geological Survey, the National Science Foundation, and the British Antarctic Survey
- November 27. IPY exhibit at the Exhibition on Earth observations organized during the Ministerial Summit of the Group on Earth Observations (GEO) in Cape Town, South Africa (27–30 November)
- December 10. Several IPY-focused sessions at the American Geophysical Union (AGU) Fall Meeting in San Francisco, U.S.A. (10–14 December) featuring ‘Live from IPY’ videoconferences
- December 13. Second International Polar Day, “Ice Sheets” launched by IPO

2008

January 20. 2nd Annual 'Arctic Frontiers' Conference, Tromsø, Norway (20–25 January)

January 23. Polar Gateways: Understanding to Solar System Exploration for IPY-IHY Conference, Barrow, Alaska

January 25. 2nd Meeting of the WMO Inter-commission Task Group on IPY in Geneva (25–26 January)

February 15. A new fully robotic astronomical observatory is installed at Dome Argus, the highest point of the East Antarctic Ice Sheet, by an IPY team representing six international institutions and led by China

February 12. The International Year of Planet Earth (IYPE) launched at UNESCO headquarters in Paris

February 28. Standing Committee of Parliamentarians of the Arctic Region meeting, Rovaniemi, Finland (28–29 February)

March 2. First two IPY fatalities during a helicopter crash near the German Antarctic station Neumayer; a pilot and a Dutch scientist killed, three passengers injured (French, German, and Dutch nationals)

March 2. APECS Executive Committee meeting in Akureyri, Iceland (2–6 March) to finalize the organization's Terms of Reference and Rules of Procedure

March 10. IPY 2007–2008 Legacies - The supporting activities document produced by IPO published online (www.ipy.org/images/uploads/IPYlegacies.pdf)

March 12. The third 'International Polar Day': Changing Earth: Past and Present, launched by the IPO

March 17. European Science Foundation hosts a meeting for the IPY Education, Outreach, and Communication subcommittee and working groups in Strasbourg, (17–20 March) with 21 participants representing 14 nations

March 26. Arctic Science Summit Week, Syktyvkar, Komi Republic, Russian Federation (26 March–2 April); IASC Pacific Arctic Group (PAG) discusses plans for the PAG 'IPY synthesis' document

April 9. Second IPY Workshop on Sustained Arctic Observing Network (SAON) in Edmonton, AB, Canada, (9–11 April)

April 12. International Polar Year Film Festival 2008, TELUS World of Science, launched in Edmonton, AB

April 13. Several international sessions focused on IPY research

activities held at the European Geosciences Union (EGU) General Assembly, Vienna, Austria (13–18 April)

April 23. Senior Arctic Officials Meeting in Narvik, Norway reviews progress in IPY, particularly with regard to the IPY legacy in observing systems, data access, scientific cooperation, and building the next generation of polar researchers and leaders

May 4. New Generation Polar Research Symposium for early career scientists involved in IPY, Colorado Springs, CO, U.S.A. (4–11 May)

May 5. 3rd Meeting of the Space Task Group of the IPY Subcommittee on Observations, Frascati, Italy (5–6 May)

May 16 1st Meeting of the 2010 IPY Oslo Open Science Conference Steering Committee in Oslo, Norway

June 2. XXXI Antarctic Treaty Consultative Meeting in Kyiv, Ukraine (2–13 June), with a report from the IPO on the implementation of IPY

June 16. UNEP Tunza International Children's Conference in Stavanger, Norway (16–20 June); IPO hosts one of the live events for the 'Land and Life' International Polar Day

June 18. International Polar Day: Land and Life (permafrost, terrestrial biodiversity, hydrology, snow) organized by the IPO

June 26. IPY Presentation at the 60th session of the WMO Executive Council. Council proposes to consider the launch of an International Polar Decade and decides to establish the Panel of Experts on Polar Observations, Research and Services, Geneva (18–27 June)

July 1. Launch of the IPY Open Science Conference (Oslo, June 2010) website www.ipy-osc.no with the first conference circular posted on July 2

July 4. 7th Meeting of the ICSU-WMO Joint Committee for IPY (JC-7) in St. Petersburg, Russia, preceding the SCAR-IASC Open Science Conference (4–5 July)

July 6. IPY Education, Outreach and Communications Subcommittee meeting, St. Petersburg, Russia

July 7. 4th IPY Consultative Forum, in conjunction with the SCAR-IASC Open Science Conference, St. Petersburg, Russia

July 7. APECS career development workshop and open meeting prior to the opening of the SCAR-IASC IPY Open Science Conference, St. Petersburg, Russia

July 7. IPY Data Management Subcommittee meeting, St. Petersburg, Russia

July 8. Joint SCAR-IASC Open Science Conference, "Polar Research - Arctic and Antarctic Perspectives in the International Polar Year," St Petersburg, Russia (8–11 July)

July 9. 2nd Meeting of the IPY Oslo Open Science Conference Steering Committee in conjunction with the SCAR-IASC IPY Conference in St. Petersburg, Russia

July 14. "International Polar Year: Science, Technology, Engineering, and Mathematics - Polar Connections, teacher opportunity," conference at the University of Massachusetts Amherst (Amherst, U.S.A., 14–18 July) to promote the teaching of science concepts and processes related to polar regions

July 18. IPY 2007–2008 featured at Euroscience Open Forum 2008, Barcelona, Spain

August 22. 6th International Congress of Arctic Social Sciences, Nuuk, Greenland (22–26 August), with the theme 'Opportunities and Challenges for Social Sciences in the International Polar Year 2007–2008'

September 8. WMO/WCRP/IPY Workshop on Climate Information and Prediction Services in Polar Regions, St-Petersburg, Russia (8–11 September)

September 15. IPY Media Working Group Meeting, ICSU, Paris

September 20. International philatelic event related to IPY 2007–2008 at the Austria Center in Vienna, Austria; the event proposed by Michelle Bachelet, the president of Chile, calls attention to polar science and environmental impact of global warming

September 24. International Polar Day: 'People,' featuring social and human science research in IPY launched out of Canada national IPY office

October 8. International conference, "Human Dimensions in the Circumpolar Arctic," Umeå University, Umeå, Sweden, under the auspices of IPY (8–10 October)

October 14. Third IPY Workshop on Sustained Arctic Observing Network (SAON), Helsinki, Finland (14–17 October)

October 19. IPY Presentation at the ICSU General Assembly, Maputo, Mozambique (19–24 October)

October 5. Third IPY fatality (construction worker), due to a fire at the Russian Antarctic *Progress* station

October 20. A tractor falls into crevasse near the Russian Antarctic *Mirnyi* station; fourth fatality during IPY

November 4. First International Symposium on Arctic Research (ISAR-1): Drastic Change under the Global Warming, in Miraikan, Tokyo, Japan (4–6 November) organized by IASC and CliC Subcommittee of the Science Council of Japan in conjunction with IPY 2007–2008

November 7. 3rd Meeting of the IPY Oslo Open Science Conference Steering Committee in Oslo, Norway

November 9. Conference "The Arctic: observing the environmental changes and facing their challenges" reviews some preliminary scientific results of IPY and components of IPY legacy, Monte-Carlo, Monaco (9–10 November)

November 10. International conference "Fifty years after IGY – Modern Information Technologies and Earth and Solar Sciences," Tsukuba, Japan

December 3. IPY Legacy Workshop: Sustaining Project Contributions to WMO Global Cryosphere Watch and the Global Earth Observations System of Systems, WMO, Geneva, (3–5 December)

December 4. International Polar Day: 'Above the Poles' (astronomy, meteorology, atmospheric sciences) launched by the IPO

December 15. IPY Sessions and exhibit at the AGU Fall Meeting, San Francisco, U.S.A. (15–19 December)

2009

January 25. HAIS Meeting, Cambridge, U.K. (25–26 January)

February 3. 4th Meeting of the Space Task Group of the IPY Subcommittee on Observations, WMO, Geneva (3–4 February)

February 23. IPY Education and Outreach Subcommittee meeting, WMO, Geneva (23–24 February)

February 23. APECS Executive Council Meeting, WMO, Geneva (23–25 February)

February 23. 8th meeting of the ICSU-WMO Joint Committee for IPY (JC-8), WMO, Geneva (23–25 February)

February 24. Opening of the special IPY photographic exhibit "Our Polar Heritage" sponsored by the UN and Government of Canada, Palais des Nations, Geneva

February 25. Joint WMO-ICSU 'IPY ceremony' at the WMO Secretariat in Geneva in conjunction with the release of *The State of Polar Research* (Allison et al., 2009) prepared by the Joint Committee

February 26. The Nordic Ministers' Globalisation Forum in Eldborg, Iceland is briefed on the science advances of IPY 2007–2008

March 1- End of the official observation period of IPY 2007–2008

5. Post-Observation Phase, March 2009–June 2010

2009

March 18. First IPY 'International Polar Week' focusing on Oceans and Marine Life

March 23. Arctic Science Summit Week 2009, Bergen, Norway (23–28 March), with several presentations featuring first results of the IPY activities in the Arctic

March 28. 4th Meeting of the Oslo IPY Open Science Conference Steering Committee, Bergen, Norway, in conjunction with the Arctic Science Summit Week

April 6. XXXII ATCM in Baltimore, U.S.A. (6–17 April), with report on progress in IPY

April 6 – First-ever Joint Meeting of the Arctic Council and ATCM Parties to mark the 50th anniversary of the Antarctic Treaty and the successful execution of IPY 2007–2008, in Washington DC; the meeting adopts the joint ATCM-AC 'Washington Declaration on the International Polar Year and Polar Science'

April 6. Joint celebration of IPY 2007–2008 by the U.S. National Academy of Sciences and National Science Foundation in Washington, DC organized in conjunction with the XXXII ATCM in Baltimore, MD

April 24. Several IPY-focused sessions at the European Geosciences Union General Assembly, Vienna, Austria (19–24 April)

April 29. 6th AC Ministerial Meeting in Tromsø, Norway endorses 'the Washington ATCM-AC Ministerial Declaration' highlighting IPY 2007–2008

April 29. IPY Data Management Subcommittee meeting, British Antarctic Survey, Cambridge, U.K. (29–30 April)

June 15. 5th Meeting of the Oslo IPY Open Science Conference Steering Committee, Oslo, Norway

June 28. APECS Field School, Svalbard (28 June–3 July)

July 11. 14th International Congress on Circumpolar Health, *Securing the IPY Legacy: From Research to Action*, Yellowknife, Canada (11–16 July)

July 26. SCAR International Biology Symposium, 'Antarctic Biology in the 21st Century – Advances In and Beyond IPY,' Sapporo, Japan (26–31 July)

July 27. International Symposium on Glaciology in the International Polar Year in Northumbria University, Newcastle, U.K. (27–31 July); sessions on the legacy from IGY 1957–1958 and the possible legacy of current IPY activities

September 17. 6th Meeting of the Oslo IPY Open Science Conference Steering Committee, Oslo, Norway

September 29. Joint IPY Data Management Subcommittee and Canada Data Meeting, Ottawa, Canada (29 September–1 October)

October 1. Association of Polar Early Career Scientists Workshop, Whitehorse, Canada

October 5. IPY International Polar Week 'What happens at the Poles affects us all' at IPO (5–9 October)

October 16. HAIS Meeting, Oslo, Norway

October 20. 'Space and the Arctic' workshop reviews IPY space activities, Stockholm, Sweden (20–21 October)

October 25. IPY Education and Outreach Meeting, Edmonton, Canada (25–29 October)

November 30. 50th Celebration of the Antarctic Treaty, *Antarctic Treaty 'Summit'* followed by international conference 'Science-Policy Interactions in International Governance, Washington DC (30 November–2 December); special session on the history of IPY/IGY organized by the SCAR Polar History action group (3 December)

November 30. 5th Meeting of the Space Task Group of the IPY Subcommittee on Observations, WMO, Geneva (30 November–2 December)

December 14. AGU Fall Meeting, San Francisco (4–18 December) with several sessions focused on IPY-driven research

2010

January 21. 7th Meeting of the IPY Oslo Science Conference Steering Committee, Oslo, Norway

February 15. Initial Meeting of the Montreal 2012 Conference Steering Committee, Ottawa, Canada

March 12. 8th Meeting of the IPY Oslo Science Conference Steering Committee, Oslo, Norway

March 16. "State of the Arctic" Conference in Miami, U.S.A., with several IPY-related sessions (16–19 March)

March 22. IPY Data Subcommittee meeting in Paris (22 – 24 March)

April 9. 1st Meeting of the Montreal 2012 Conference Steering Committee, Oslo, Norway (9–10 April)

April 15. Arctic Science Summit Week 2010, Nuuk, Greenland (15–19 April), with several sessions discussing first results of the IPY activities

May 7. Last issue of the *IPY Monthly Report* (no.37) released by the IPO

June 6. International Teachers Conference and APECS Workshop, Oslo, Norway (6–7 June); *Polar Science and Global Climate: An International Resource to Education and Outreach* teachers' sourcebook produced by the IPY EOC Subcommittee (Kaiser et al. 2010) released

June 7. 9th and final Meeting of the ICSU-WMO Joint Committee for IPY (JC-9), Oslo, Norway

June 8. IPY 2007–2008 Oslo Science Conference with over 2300 participants, Oslo, Norway (8–12 June)

June 9. Joint AC-ATCM workshop, 'The Legacy of the International Polar Year' during the IPY Open Science Conference, Oslo, Norway

June 9. 2nd Meeting of the Montreal 2012 Conference Steering Committee in conjunction with the IPY Oslo Conference

June 10. 6th Meeting of the Space Task Group (STG) of the IPY Subcommittee on Observations, Oslo, Norway recommends to reconstitute STG as a Polar Space Task Group

June 12. Official closing of IPY 2007–2008 at the Plenary session of the IPY Open Science Conference in Oslo; the outline of JC IPY summary report presented to the IPY community

June 14. 62nd session of the WMO Executive Council express its deep appreciation to WMO/ICSU Joint Committee for IPY, its Subcommittees, the IPY International Programme Office, and to thousands IPY participants for successful completion of IPY 2007–2008

June 30. ICSU-WMO Joint Committee for IPY 2007–2008 officially completes its tenure.

As agreed at JC-9, Co-editors of JC IPY Summary continue preparation of the Summary

July 27. Chair's Report from the AC-ATCM joint workshop on the legacy of the International Polar Year (June 10, 2010) published online

August 1. XXXI SCAR Meeting and 4th Open Science Conference, "Antarctica – witness to the past and guide to the future", Buenos Aires, Argentina (1–11 August), with several papers on progress in IPY projects

September 16. 3rd Meeting of the Montreal 2012 Conference Steering Committee, Montreal, Canada

September 30. The closure of the IPY International Programme Office; work on the JC IPY Summary continues

Selection of IPY Logos

Compiled by David Hik

From the very beginning of IPY planning there were debates about how to label and 'brand' this event (Box 3, *Chapter 1.3*). In November, 2006 the Education, Outreach and Communications Subcommittee adopted the following IPY Branding Policy for consideration by the Joint Committee.

IPY Branding Policy

Developed by the IPY EOC Subcommittee, November 2006. A recommendation for the Joint Committee.

IPY, The International Polar Year 2007-2008, was established by the International Council for Science (ICSU) and World Meteorological Organisation (WMO).

We define the **IPY identity** as the IPY logo, hexagram chart, and other associated IPY graphics found in presentations, on the web, in printed material, etc.

We define **IPY participants** as:

- Members of endorsed IPY projects
- National IPY Committees
- Nationally endorsed IPY activities
- People involved in activities registered in the IPY Expressions of Intent database

1. We encourage the widest possible distribution and use of IPY information and materials.
2. We encourage the use of the IPY identity by all IPY participants for the promotion of IPY activities.
3. We request that commercial vendors interested in using the IPY identity, negotiate an agreement with either National IPY Committees, or the IPY International Programme Office.

In cases of commercial enterprises, we will generally support the proposal if it is of benefit to IPY projects that have been internationally or nationally endorsed.

4. Within the array of IPY activities, there are no exclusive rights to the use of the IPY identity. As a consequence, there will not be one official IPY product (such as book, calendar, film, coin, stamp etc.).

Several national committees also discussed these issues of IPY branding, but since there apparently were no problems associated with the use of the IPY logo or brand, these concerns were not formally dealt with.

The evolution of the official IPY logo was described in *Chapter 1.3* (Box 3). While many countries adopted their own visual identities, Norway also developed a visual profile and image bank of IPY graphics for general use. On the following page a selection of IPY national and project logos are reproduced.



IPY 2007-2008
official logo

Examples of IPY National Logos



Bulgaria



Canada



South Africa



Ukraine



China



Poland



Russia



Portugal



Netherlands



Norway



Germany



Canada

Examples of IPY Project Logos



Antarctica's
Gamburtsev Province



Arctic Human Health
Initiative



North Pole Station 35



Census of Antarctic
Marine Life



Circumpolar Flaw
Lead System Study



PPS Arctic



Glaciodyn



PoleNet



Oasis



Geotraces



IceCube



SEDNA



Polarcat



IPY Rocks



IPY Alaska



Youth Steering
Committee



Greening
of the Arctic



SIMBA

List of Acronyms

AAR	Arctic and Antarctic Regions	ARCDIV	Arctic Climate Diversity
AARI	Arctic and Antarctic Research Institute	ArcOD	Arctic Ocean Diversity
ABACUS	Arctic Biosphere-Atmosphere Coupling across multiple Scales, IPY project	ARCUS	Arctic Research Consortium of the United States
ABBCS	Arctic Breeding Bird Condition Survey	ArLISON	Arctic Lake Ice and Snow Observatory Network
ABPR	Arctic Bottom Pressure Recorders	ArcticWOLVES	Arctic Wildlife Observatories Linking Vulnerable EcoSystems
AC	Arctic Council	ASF	Alaska Satellite Facility
ACC	Alaskan Coastal Current	ASI	Agenzia Spaziale Italiana
ACC	Antarctic Circumpolar Current	ASI	Arctic Social Indicators, IPY project
ACCE	Antarctic Climate Change and the Environment	ASOC	Antarctic South Ocean Coalition
ACCO-NET	Arctic Circum-Polar Coastal Observatory Network	ASP	ArcticNet Student Association
ACD	Arctic Coastal Dynamics Project	ASPeCI	Antarctic Sea Ice Processes and Climate
ACE	Antarctic Climate Evolution	ASR	Arctic System Reanalysis
ACIA	Arctic Climate Impact Assessment	ASSW	Arctic Science Summit Week
ACRC	Arctic Peoples, Cultures, Resilience and Caribou	ASTI	Arctic Species Trend Index
ACTP	Acoustic Ice Tethered Platform	ASTIS	Arctic Science and Technology Information System
ADCP	Acoustic Doppler Current Profiler	ATCM	Antarctic Treaty Consultative Meeting
ADI	AON Design and Implementation	ATCP	Antarctic Treaty Consultative Party
ADIS	ACSYS Data and Information Service	AVHRR	Advanced Very High Resolution Radiometer
AFHCAN	Alaska Federal Health Care Access Network	AVNIR	Advanced Visible and Near Infrared Radiometers
AFoPS	Asian Forum for Polar Sciences	AWI	Alfred Wegener Institute
AGAP	Antarctica Gamburtsev Province	AWS	Automatic Weather Station
AGCS	Arctic in the Global Climate System	AZ	Antarctic Zone
AHDR	Arctic Human Development Report		
AHHI	Arctic Human Health Initiative	BAS	British Antarctic Survey
AHRN	Arctic Health Research Network	BATC	Bipolar Atlantic Thermohaline Circulation
AIA	Aleut International Association		
AMAP	Arctic Monitoring and Assessment Program	BCTEIASO	Biogeochemical Cycles of Trace Elements and Isotopes in the Arctic and Southern Oceans
AMD	Antarctic Master Directory	BGOS	Beaufort Gyre Observing System
AMES	Antarctic Marine Ecosystem Studies	BIOMASS	Biological Investigation of Marine Antarctic Systems and Stocks
AMSA	Arctic Marine Shipping Assessment		
ANDEEP-SYSTCO	Antarctic benthic DEEP-sea biodiversity colonization history and recent community patterns SYSTem Coupling	BiPAG	Bipolar Action Group
		BNSC	British National Space Center
ANDRILL	Antarctic Geologic Drilling	BON	Biodiversity Observation Network
ANTPAS	Antarctic and Sub-arctic Permafrost Periglacial and Soil Environments Project	BSIT	Bundesanstalt für See Schifffahrt und Hydrographie (German Navigation and Hydrographic Service)
ANTScape	Antarctic Paleotopographic Map	BSRN	Baseline Surface Radiation Network
AOD	Aerosol Optical Depth	BSSN	Bering Sea Sub-Network
AON	Arctic Observing Network	BUFR	Binary Universal Format Representation
AON-SIP	Arctic Observing Network Social Indicators Project		
AOSB	Arctic Ocean Science Board	CADIS	Cooperative Arctic Data and Information Service
AOT	Aerosol Optical Thickness	CAF	Clean Air Facility
AP	Arctic Portal	CAFF	Conservation of Arctic Flora and Fauna
APECS	Association of Polar Early Career Scientists	CAFT	Consortium of Arctic Flora and Fauna

CALM	Circumpolar Arctic Layer Monitoring	CODATA	Committee on DATA
CAML	Census of Antarctic Marine Life	COMNAP	Council of Managers of National Antarctic Programmes
CANDAC	Canadian Network for the Detection of Atmospheric Change	COSPAR	Committee on Outer Space Research
CANHR	Center for Alaska Native Health Research	CRBP	Cold Regions Bibliography Project
CAPGIA	Constraints on Antarctic Peninsula Glacial Isostatic Adjustment	CRISIS	Center for Remote Sensing of Ice Sheets
CAPP	Carbon Pools in Permafrost	CSW	Chukchi Summer Water
CARE	Climate of the Arctic and its Role in Europe	CSA	Canadian Space Agency
CARMA	Circumpolar Arctic Rangifer Monitoring and Assessment Network	CTD	Conductivity – Temperature – Depth
CASO	Climate of Antarctica and the Southern Ocean	CWG	Cryosol Working Group
CASP	Circum-Antarctic Stratigraphy and Paleobathymetry	CYFN	Council of Yukon First Nations
CAT	Canadian Arctic Through Flow	DAHLI	Discovery and Access of Historic Literature of the IPYs
CAVIAR	Community Adaptation and Vulnerability in Arctic Regions, IPY project	DBO	Distributed Biological Observatory
CBD	Convention on Biological Diversity	DCP	Data Collection Platform
CBM	Community-Based Monitoring	DEM	Digital Elevation Models
CBMP	Circumpolar Biodiversity Monitoring Program	DG	Director-General, European Commission
CCN	Cloud Condensation Nuclei	DIMES	Diapycnal and Isopycnal Mixing Experiment in the Southern ocean
CDMP	Climate Data Modernization Program	DOI	Digital Object Identifier
CEAMARC	Collaborative East Antarctic Marine Census	DVM	Diel Vertical Migration
CEOP	Coordinated Enhanced Observing Period	EBA	Evolution and Biodiversity in Antarctica: the Response of Life to Change, IPY project
CEOS	Committee on Earth Observation Satellites	EGU	European Geosciences Union
CFL	Circumpolar Flaw Lead	eGY	electronic Geophysical Year
CGMW	Commission for the Geological Map of the World	ELOKA	Exchange for Local Observations and Knowledge of the Arctic
CHINARE	Chinese National Arctic Research Expedition	EC-PORS	Executive Council Panel of Experts on Polar Observations, Research and Services
CircHOB	Circumpolar Health Observatory	ENVISNAR	Environmental Baselines, Processes, Changes and Impacts on People in the Nordic Arctic Regions, IPY project
CIRES	Cooperative Institute for Research in Environmental Sciences	EO&C	Education, Outreach & Communication
CLEOPATRA	Climate effects on planktonic food quality and trophic transfer in Arctic Marginal Ice Zones	Eol	Expression of Interest
CLIC	Climate and Cryosphere Project, WCRP	EPB	European Polar Board
CLiCOPEN	Impact of CLimate induced glacial melting on marine and terrestrial COastal communities on a gradient along the Western Antarctic PENinsula	ESA	European Space Agency
CLIPS	CCI Climate Information and Prediction Services	ESA-ESRIN	ESA Centre for Earth Observation
CLIVAR	CLimate VARIability and predictability project	ESAS	East Siberian Arctic Shelves
CMA	China Meteorological Administration	ESF	European Science Foundation
		ESSP	Earth System Science Partnership
		EUMETSAT	European Organisation for the Exploitation of Meteorological Satellites
		EUROCORES	European Collaborative Research
		EUROSPAN	European Special Population Network
		FARO	Forum of Arctic Research Operators
		FMI	Finnish Meteorological Institute
		FTIR	Fourier Transform Infrared

FWC	Freshwater Content		
GAMSEIS	Gamburtsev Antarctic Mountains Seismic Experiment	IBP	Association International Biological Programme
GARP	Global Atmosphere Research Program	ICARP II	2nd International Conference on Arctic Research Planning, 2005
GAW	Global Atmosphere Watch Programme	ICASS	International Congress of Arctic Social Sciences
GBMF	Gordon and Betty Moore Foundation	ICC	Inuit Circumpolar Council
GCMD	Global Change Master Directory	ICECAP	International Climate and Environmental Change Assessment Project
GCOS	Global Climate Observing System		
GCW	Global Cryosphere Watch		
GEO	Group on Earth Observations	ICED	Integrating Climate and Ecosystem Dynamics
GEOS	Global Earth Observing System of Systems	ICESat	Ice Cloud and Land Elevation Satellite
GIA	Glacial Isostatic Adjustment	ICESTAR	Interhemispheric Conjugacy Effects in Solar-Terrestrial and Aeronomy Research
GIIPSY	Global Interagency IPY Polar Snapshot Year, IPY project		
GLISN	Greenland Ice Sheet Monitoring Network	ICR	International Centre for Reindeer Husbandry
GLOBEC	Global Ocean Ecosystem Dynamics	ICS	International Circumpolar Surveillance
GMES	Global Monitoring for Environment and Security	ICSU	International Council for Science
GOOS	Global Ocean Observing System	IFM-GEOMAR	Liebniz Institute for Marine Science
GRACE	Gravity Recovery and Climate Experiment	IGBP	International Geosphere-Biosphere Programme
GSN	Global Snowflake Network	IGC	International Geophysical Collaboration
GTN-P	Global Terrestrial Network for Permafrost	IGFA	International Group of Funding Agencies for Global Change Research
GTOS	Global Terrestrial Observing System	IGLO	International Action on Global Warming
GTS	Global Telecommunication System		
		IGOS	Integrated Global Observing Strategy
HAIS	Heads of the Arctic and Antarctic IPY Secretariats	IGY	International Geophysical Year 1957–1958
HHAG	Human Health Assessment Group	IHY	International Heliophysical Year
HRLDAS	High-Resolution Land Data Assimilation	IKC	Inuit Knowledge Center
HuBLE	Hudson Bay Lithosphere Experiment	INCHR	International Network for Circumpolar Health Research
		INPE	National Institute for Space Research (Brazil)
IAATO	International Association of Antarctic Tour Operators	IOC	Intergovernmental Oceanographic Commission
IACS	International Association of Cryospheric Sciences	IOI	International Ocean Institute
IAGA	International Association of Geomagnetism and Aeronomy	IPA	International Permafrost Association
IAI	International Arctic Institute	IPCC	Intergovernmental Panel on Climate Change
iAOOS	Integrated Arctic Ocean Observing System	IPD	International Polar Decade
IARC	International Arctic Research Center	IPEV	L'Institut Polaire Français Paul Émile Victor
IARPC	Interagency Arctic Research Policy Committee	IPIC	International Partnerships in Ice Core Sciences
IASC	International Arctic Science Committee	IPS	Indigenous Peoples' Secretariat
IASC-WAG	IASC Working Group on Arctic Glaciology	IPW	Integrated Precipitable Water
IASOA	International Arctic Systems for Observing the Atmosphere, IPY project	IPYDIS	IPY Data and Information Service
IASSA	International Arctic Social Sciences	IPY IPO	International Polar Year International Programme Office
		IPYPD	IPY Publications Database
		ISAC	International Study of Arctic Change

ISAR	International Symposium on Arctic Research	MARP	Malaysia Antarctic Research Program
ISMASS	Ice Sheet MASS Balance and Sea Level	MaxNDVI	Maximum Normalized Difference Vegetation Index
ISOS	International Southern Ocean Studies	MEMG	Marine Expert Monitoring Group
ISOS	Integrated School of Ocean Sciences	MEOP	Marine Mammal Exploration of the Oceans Pole to Pole
ISSS	International Siberian Shelf Study		
IAU	International Astronomical Union	MERGE	Microbiological and Ecological Responses to Global Environmental Changes in Polar Regions, IPY project
I-TASC	Interpolar Transnational Art Science Constellation		
ITEX	International Tundra Experiment	MERIS	Medium Resolution Imaging Spectroradiometer
ITK	Inuit Tapirlit Kanatami		
IUCH	International Union for Circumpolar Health	MiniMAMM	Modified Antarctic Mapping Mission
IUCP	International University Courses on Permafrost	MISR	Multi-Angle Imaging SpectroRadiometer
IUGG	International Union of Geodesy and Geophysics	MIZ	Marginal Ice Zone
IUGS	International Union of Geological Science	MMCR	Millimeter Cloud Radar
IYPE	International Year of Planet Earth	MMM	Mesoscale and Microscale Meteorology Division
		MODIL-NAO	Monitoring of the Development of Traditional Indigenous Land Use Areas in the Nenets Autonomous Okrug, IPY project
JAMSTEC	Japan Agency for Marine Earth Science and Technology	MODIS	Moderate Resolution Imaging Spectroradiometer
JARE23	23rd Japanese Antarctic Research Expedition	MUOCAA	Monitoring Upper Ocean Circulation between Africa and Antarctica
JASE	Japanese-Swedish Antarctic Expedition		
JAXA	Japan Aerospace Exploration Agency	NADC	National Antarctic Data Center
JC	ICSU-WMO Joint Committee for IPY 2007–2008	NAS	National Academy of Sciences, U.S.A.
JCADM	Joint SCAR-COMNAP Committee on Antarctic Data Management	NBS	Northern Bering Sea
JGOFS	Joint Global Ocean Flux Study	NCAOR	National Center for Arctic and Ocean Research
JOIS	Joint Ocean and Ice Studies	NCAR	National Center for Atmospheric Research
JWACS	Joint Western Arctic Climate Studies	NCEP	National Center for Environmental Prediction
		NCP	Northern Contaminants Program
K-12	Kindergarten to Grade 12, public schools, U.S.A. and Canada	NEEM	North Eemian Ice Core Project
KOPRI	Korea Polar Research Institute	NERC	Natural Environment Research Council
KORDI	Korea Ocean Research and Development Institute	NES	NISC Export Services
		NF	Northern Forum
		NGPR	New Generation of Polar Researchers
LAPNET	LAPland NETwork	NICOP	Ninth International Conference on Permafrost
LARISSA	LARsen Ice Shelf System Antarctica		
LGM	Last Glacial Maximum	NIPR	National Institute of Polar Research, Japan
LIMA	Landsat Image Mosaic of Antarctica, IPY project	NISC	National Information Services Corporation
LOICZ	Land-Oceans Interaction in the Coastal Zone	NMHS	National Meteorological and Hydrological Services
LOLITA-PSC	Lagrangian Observations with Lidar Investigations and Trajectories in Antarctica of PSC	NOAA	National Oceanic and Atmospheric Administration
LSM	Land Surface Model	NSF	National Science Foundation
LTK	Local and Traditional Knowledge	NSIDC	National Snow and Ice Data Center
		NSTM	Near Surface Temperature Maximum
MarBIN	Marine Biodiversity Network	NVFL	North Vostok flow line
		NWP	Numerical Weather Prediction

OCH	Oscillating Control Hypothesis	SALE	Subglacial Antarctic Lake Environments
OGC	Open Geospatial Consortium	SALE-UNITED	Unified International Team for
OPF	Ocean Polar Front		Exploration and Discovery
ORACLE-03	Ozone layer and UV Radiation in a changing CLimate Evaluated during IPY	SAON	Sustaining Arctic Observing Networks
OSC	Oslo Science Conference	SAON-IG	Sustaining Arctic Observing Networks Initiating Group
OSI-PMH	Open Archives Initiative Protocol for Metadata Harvesting	SAR	Synthetic aperture radar
OSL	Otto-Schmidt Laboratory for Polar and Marine Research	SAR-WG	Second Assessment report (IPCC 1996) Working Group
OSSE	Observing System Simulation Experiment	SASSI	Synoptic Antarctic Shelf – Slope Interactions
		SAZ	Sub-Antarctic Zone
		SBE	Shelf-basin exchange
PAME	Protection of the Arctic Marine Environment	SCACE	Synoptic Circum-Antarctic Climate- processes and ecosystem
PAME	Polar Aquatic Microbial Ecology	SCADM	Standing Committee on Antarctic Data Management
PANDA	Prydz Bay, Amery Ice Shelf and Dome A Observatories	SCAGI	Standing Committee on Antarctic Geographic Information
PAntOS	Pan-Antarctic Observing System	SCAR	Scientific Committee on Antarctic Research
PARCA	Program for Arctic Climate Assessment	SCAR-MarBIN	SCAR Marine Biodiversity Information Network
PAWS	Polar Area Weather System		
PCOF	Polar Climate Outlook Forum	SCOBS	Subcommittee on Observations
PERMUS	Permafrost in Switzerland	SCOSTEP	Scientific Committee on Solar- Terrestrial Physics
PIC	Polar Information Commons		
PILMS	Portable Lab for Mercury Speciation	SDB	Short data burst
PMG	Polar Meteorology Group	SEaAOS	Southern Elephant Seals as Oceanographic Samplers
PMGRE	Polar Marine Geological Research Expedition		
PNPI	Petersburg Nuclear Physics Institute	SEARCH	Study of Environmental Arctic Change
POLENET	POLar Earth Observing NETwork	SHARE	Social Sciences and Humanities Antarctic Research Exchange
POLEX-South	Polar Experiment - South		
PPE	Permafrost and Periglacial Environment	SIKU	Sea Ice Knowledge and Use, IPY project
PPS Arctic	Present day processes, Past changes, and Spatiotemporal variability, IPY Project	SIMBA	Sea Ice Mass Balance of Antarctica
		SIO	Sea Ice Outlook
		SIPEX	Sea Ice Physics and Ecosystem eXperiment
PRB	Polar Research Board, U.S. National Academy of Science	SIWO	Sea Ice for Walrus Outlook
PRB	Polar Resource Book	SMDB	Science Meta-Data Base
PRISM	Panchromatic Remote-Sensing Instrument for Stereo Mapping	SO-FINE	Southern Ocean FINE structure
		SOM	Soil Organic Matter
PSC	Polar Stratosphere Clouds	SOOS	Southern Ocean Observing System
PSW	Polar Surface Watch	SPACE	Synoptic Pan-Arctic Climate and Environment Study
PYRN	Permafrost Young Researchers Network	SPRI	Scott Polar Research Institute
		SRP	Scientific Research Project
RAE	Russian Antarctic Expedition	STG	IPY Space Task Group
RAIPON	Russian Association of Indigenous Peoples of the North, Siberia and the Far East	SST	Sea Surface Temperature
		STAGE	Studies on Antarctic Ocean Global Environment
RAL	Research Applications Laboratory	SUC	Sami University College
RAS	Russian Academy of Sciences	SUIT	Surface and Under-Ice Trawl
RES	Radio-Echo Sounding	SVALI	Stability and Variations of Arctic Land Ice
ROV	Remotely Operated Vehicle	SWIPA	Snow Water Ice and Permafrost in the Arctic
RUSALCA	Russian-American Long-Term Census of the Arctic		

TASTE IDEA	Trans-Antarctic Scientific Traverses Expedition – Ice Divide of East Antarctica
TAWEP	THORPEX Arctic Weather and Environmental Prediction Initiative
TEC	Total Electron Content
TEK	Traditional Ecological Knowledge
THORPEX	The Observing System Research and Predictability Experiment, WMO
TIGGE	THORPEX Interactive Grand Global Ensemble
TOPP	Tagging of Pacific Pelagics
TReCs	Polar THORPEX Regional Campaigns
TSP	Thermal State of Permafrost
UAF	University of Alaska Fairbanks, Fairbanks, U.S.A.
UCAR	University Corporation for Atmospheric Research
UM	University of Malaysia, Kuala Lumpur
UNCLOS	United Nations Convention on the Law of the Sea
UNEP	United Nations Environment Programme
UNFCCC	United Nations Framework Convention on Climate Change
UNIS	University Centre in Svalbard
URSI	International Scientific Radio Union/Union Radio-Scientifique Internationale
USARC	U.S. Arctic Research Commission
USM	University of Science Malaysia, Pulau Pinang
VFL	Vostok Flow Line
VIRPOL	VIRuses for POLar Marine Ecosystem functioning
VNIIOkeanologia	Institute for Geology and Mineral Resources of the World Ocean
WAP	Western Antarctic Peninsula
WCRP	World Climate Research Programme
WCS	World Conservation Strategy
WDC	World Data Centre
WEAIS	West Antarctic Ice Sheet
WHO	World Health Organization
WIS	WMO Information System
WMO	World Meteorological Organization
WOCE	World Ocean Circulation Experiment
WRF	Weather Research and Forecasting
WRH	World Reindeer Herders
WWRP	World Weather Research Programme
YSC	Youth Steering Committee