

Appendix 1. IPY projects with Japanese Scientists

May, 2006

| No. | Short Title | Leader | Affiliation | Member | Affiliation | Title |
|-----|-----------------------------------------|---------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 8 | SASSI | Karen Heywood | U East Anglia | Masaaki Wakatsuchi Shuki Ushio | Hokkaido U NIPR | Synoptic Antarctic Shelf-Slope Interactions Study |
| 9 | Antarctic MST/IS radar | Kaoru Sato | NIPR (U Tokyo) | Asanobu Kitamoto Tomoyuki Higuchi Yoshihiro Tomikawa Takashi Yamanouchi Takehiko Aso Akinori Saito Toru Sato Masaki Ejiri Masaki Tsutsumi | NI Informatics I Statis. Mathe. Mathematics NIPR NIPR NIPR Kyoto U Kyoto U NIPR NIPR | Program of the Antarctic Syowa MST (Mesosphere - Stratosphere - Troposphere) / IS (Incoherent Scatter) radar (PANSY) |
| 13 | Sea level/tidal science in polar oceans | Philip Woodworth | Proudman Oceanograph. L | Minoru Odamaki | Japan Oceanographics Data Center | Sea Level and tidal science in the polar oceans |
| 14 | iAOOS | Jean Claude Gascard | U P et M Curie | Koji Shimada | JAMSTEC | Integrated Arctic Ocean Observing System |
| 20 | AICI-IPY | Eric Wolff | BAS | | JAPAN | Air-Ice Chemical Interactions-IPY coordinated studies |
| 26 | PAN-AME | Stig Falk-Petersen | NP | Kunio Shirasawa Sei-ichi Saitoh | Hokkaido U Hokkaido U | The Pan Arctic cluster for Climate forcing of the Arctic marine ecosystem |
| 29 | Bering land bridge | Sarah Fowell | U Alaska | | MECST | The Bering Strait, Rapid Change, and Land Bridge Paleocology |
| 32 | POLARCAT | Andreas Stohl | NILU | Hajime Akimoto Oliver Wild | Frontiers Res. Frontiers Res. | Polar study using Aircraft, remote sensing, surface measurements and modelling of Climate, Chemistry, Aerosols and Transport |
| 33 | ANTPAS | Jan Boelhouwers | Uppsala U | Mamoru Ishikawa Norikazu Matsuoka | I Obs. R Glob. Change U Tsukuba | Antarctic and sub-Antarctic Permafrost, Periglacial and Soil Environment |
| 35 | IPY-GEOTRACES | Hein De Baar | Roy NL I Sea Research | Toshitaka Gamo Hajime Obata Yoshiki Sohrin Jun Nishioka Shigenobu Takeda | U Tokyo U Tokyo Kyoto U Hokkaido U U Tokyo | An international study of biogeochemical cycles of Trace Elements and Isotopes in the Arctic and Southern Oceans |
| 37 | GLACIODYN | Johannes Oerlemans | Utrecht U | | JAPAN | The dynamic response of arctic glaciers to global warming |
| 38 | OASIS-IPY | Harry Beine | CNR | | JAPAN | Ocean-Atmosphere-Sea Ice-Snowpack Interactions affecting Atmospheric Biogeochemistry and Ecosystems in the Arctic |

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| 40 | DAMOCLES | Jean-Claude Gascard | U P et M Curie | | JAPAN | Developing Arctic Modelling and Observing Capabilities for Long-term Environmental Studies |
| 49 | IPY DIS | Mark Parsons | World D C Glaciology | Shuichi Iwata | ICSU CODATA | International Polar Year Data and Information Services for Distributed Data Management |
| 50 | TSP | Jerry Brown | Int. Permafrost Association | Koichiro Harada Mamoru Ishikawa Norikazu Matsuoka Tetsuo Ohata | Miyagi Agri. Col. JAMSTEC U Tsukuba JAMSTEC | Permafrost Observatory Project: A Contribution to the Thermal State of permafrost |
| 53 | CAML | Michael Stoddart | CAML | (Mitsuo Fukuchi) | JAPAN(NIPR) | A Census of Antarctic Marine Life |
| 54 | Antarctic Climate evolution | Robert Dunbar | Stanford U | | JAPAN | Antarctic Climate evolution |
| 55 | MERGE | Takeshi Naganuma | Hiroshima U | Hiroshi Kanda Satoshi Imura Masaki Uchida Syuhei Ban Manabu Fukui Tamotsu Hoshino Tadayuki Imanaka Shirou Kohshima Hideaki Miyashita Shuji Ohtani Motoaki Tojo Yoshitaka Yoshimura | NIPR NIPR NIPR U Shiga Prefecture Hokkaido U AIST Kyoto U Tokyo IT Kyoto U Shimane U Osaka Prefecture U Tamagawa U | Microbiological and ecological Responses to Global Environmental Changes in Polar Regions |
| 58 | Kinnvika | Paula Kankaanpaa | U Lapland | Kumiko Goto-Azuma | NIPR | Change and variability of Arctic Systems Nordaustlandet, Svalbard |
| 59 | TRANTELLA | Ad Huiskes | NL I Ecology | Hiroshi Kanda | NIPR | Terrestrial ecosystems in Arctic and Antarctic: effects of UV light, liquefying ice, and Ascending temperature |
| 63 | ICESTAR/ IHY | Kirsti Kauristie | Finnish Meteorog. I | Akira Kadokura Takehiko Aso Yasuhiro Murayama | NIPR NIPR NI Infor. Com. | Interhemispheric Conjugacy in geospace Phenomena and their Heliospheric Drivers |
| 67 | AGAP | Detlef Damaske | BGR | Masaki Kanao | NIPR | Origin, evolution and setting of the Gamburtsev subglacial highlands: Exploring an unknown Antarctic territory |
| 77 | PLATES &GATES | Karsten Gohl | AWI | Yoshifumi Nogi | NIPR | Plate Tectonics and Polar Gateways in Earth History |
| 78 | PMC, aurora, ISS, ground site | Donald Pettit | NASA | | JAXA | Synchronized observations of Polar mesospheric Clouds, Aurora, and other large-scale polar phenomena from the International Space station and ground sites |

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| 86 | USGS | Patrick Leahy | US Geological Survey | | JARE Hokkaido U | US Geological Survey participation in the International Polar Year |
| 88 | ASAIID | Robert Bindschadler | NASA | | JAPAN | Antarctic Surface Accumulation and ice Discharge |
| 91 | GIIPSY | Mark Drinkwater | ESA | Fumihiko Nishio | Chiba U | Global Inter-agency IPY Polar Snapshot Year (GIIPSY) |
| 95 | Arctic Sea Ice Properties/ Processes | Don Perovich | CRREL | Sei-Ichi Saito Kunio Shirasawa | Hokkaido U Hokkaido U | The state of the Arctic sea ice cover: Physical and biological properties and processes in a changing environment |
| 96 | Go Polar! | Douglas Williams | U South Carolina | Toyoko Maruno | Kids Plaza Osaka | Go Polar! An International Network of Children's Museums to Bring Polar Science to Children and Families |
| 99 | ORACLE-O3 | Peter von der Gathen | AWI | Kaoru Sato Naohiko Hirasawa Takashi Yamanouchi Hideaki Nakajima Hideaki Nakane Isao Murata | NIPR (U Tokyo) NIPR NIPR NI Environ. S NI Environ. S Tohoku U | Ozone layer and UV radiation in a changing climate evaluated during IPY |
| 104 | Arctic- Hydra | Arni Snorrason | Nat. Energy Authority | Tetsuo Ohata | JAMSTEC | The Arctic Hydrological Cycle Monitoring, Modelling and assessment Program |
| 112 | Indigenous Knowledge Systems | Ray Barnhard | U Alaska | Fusayuki Kanda | Hokkaido U Education | Circumpolar Center for Learning and Indigenous Knowledge System |
| 117 | IPICS-IPY | Edward Brook | Oregon State U | Hideaki Motoyama Yoshiyuki Fujii | NIPR NIPR | International Partnerships in Ice Core Science |
| 118 | The Greenland Ice Sheet | Dorthe Dahl-Jensen | U Copenhagen | Nobuhiko Azuma Yoshiyuki Fujii Kumiko Goto-Azuma Hideaki Motoyama | TU Nagaoka NIPR NIPR NIPR | The Greenland Ice Sheet-Stability, History and Evolution |
| 121 | THORPEX-IPY | Thor Erik Nordeng | Norwegian Meteorological I | | JAPAN | 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 |
| 124 | AstroPoles | Michael Burton | U New South Wales | Shoji Torii | Kanagawa U | Astronomy from Polar Plateaus |
| 129 | Aerosol Impact on Antarctica | Anoop Kumar Tiwari | NCAOR | | JAPAN | Land Based Anthropogenic Impact of Coarse Particles on Antarctic Shelf |

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| 131 | AMES | Volker Siegel | I Seefischerei | Mikiko Naganobu | Far Sea Fisheries I | Integrated circumpolar studies of Antarctic marine ecosystems to the conservation of living resources |
| 132 | CASO | Stephen Rintoul | CSIRO | Mitsuo Fukuchi | NIPR | Climate of Antarctica and the Southern Ocean - Ocean Circulation Cluster |
| 137 | EBA | Guido di Prisco | CNR | Takeshi Naganuma | Hiroshima U | Evolution and Biodiversity in the Antarctic: The Response of Life to Change |
| 138 | Cold Land process, N Hemisphere | Pavel Groisman | NOAA | Masami Fukuda Shami Maksyutov Takeshi Ohta Tetsuo Ohata | U Hokkaido JAMSTEC U Nagoya JAMSTEC | Gold Land Processes in the Northern hemisphere continents and their Coastal Zone: Regional and Global Climate and Societal-Ecosystem Linkage and Interactions |
| 139 | GOA | Donald Walker | U Alaska | Hiroshi Kanda | NIPR | Greening of the Arctic: Circumpolar Biomass |
| 140 | HIAA | Judith Curry | Georgia IT | Jun Inoue | JAMSTEC | Hydrological Impact of arctic Aerosols |
| 141 | Antarctic Sea Ice | Stephen Ackley | Clarkson U | Shuki Ushio | NIPR | Antarctic Sea Ice in IPY |
| 147 | IAI | Andrew McMinn | U Tasmania | (Masaaki Wakatsuchi) (Takashi Ishimaru) (Mitsuo Fukuchi) | Hokkaido U Tokyo U Marine NIPR | International Antarctic Institute |
| 152 | TASTE-IDEA | Heinz Miller | AWI | Fumihiko Nishio | Chiba U | Trans-Antarctic Scientific Traverses expeditions-Ice Divide of east Antarctica |
| 155 | ESSAR | Kenneth Drinkwater | I Marine R | Michio Kishi | Hokkaido U | Ecosystem Studies of Subarctic and Arctic Regions |
| 164 | Narwhal, Tusk Function | Martin Nweeia | Harvard U | | NIPR | Inuit and Western Descriptions of the Narwhal, Connecting Parallel Perceptions: Inter-disciplinary Studies of the Narwhal with a Focus on tusk Function |
| 165 | TTAAPP-IPY2007-8 | Jeff Ayton | Australian Antarctic Division | Giichiro Ohno | Yoyogi Hospital | Taking the Antarctic Arctic Polar Pulse-Ipy 2007-8 Human Biology and medicine Research |
| 169 | NORLAKES 4 Future | Kristen Seestern Christoffersen | U Copenhagen | | JAPAN | Network for present and future circumpolar freshwater lake research and data management |
| 171 | POLAR-AOD-IPY | Claudio Tomasi | CNR | Takashi Yamanouchi Masataka Shiobara | NIPR NIPR | a network to characterize the means, variability, and trends of the climate-forcing properties of aerosols in polar regions |
| 173 | Arctic Vents | Robert Reves-Sohn | Woods Hole Oceano. I | Yoshifumi Nogi Ko-ichi Nakamura Akihiko Yamagishi | NIPR NI Adv. Ind. Sc. Tech Tokyo U Pharmacy | Biogeography and Geological Diversity of Hydrothermal Venting on the Ultra-Slow Spreading Arctic Mid-Ocean Ridge |

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| 185 | POLENET | Terry Wilson | Ohio State U | Masaki Kanao Kazuo Shibuya Seiji Tsuboi | NIPR NIPR JAMSTEC | Polar Earth Observing Network |
| 191 | 6CI | Nighat F D Johnson-Amin | Int. Polar Foundation | | JAPAN | The Sixth Continent Initiative- Capacity Building in Antarctic Scientific research |
| 196 | IASOA | Taneil Uttal | NOAA | Toshio Koike Hiroshi Tanaka | Tokyo U U Tsukuba | International Arctic Systems for Observing the Atmosphere |
| 197 | Hydrological cycle, Canadian Polar Regions | Alain Pietroniro | Environment Canada | | JAPAN | The hydrological cycle of the Canadian Polar Regions: processes, parameterization, prediction and change |
| 212 | ASICN | Rob Huebert | U Calgary | | JAPAN | Arctic Shipping in a changing North |
| 217 | SPARC-IPY | Norman McFarlane | U Tronto | Kohei Mizutani | NI Infor. Com. | The structure and evolution of the polar stratosphere and links to the troposphere during IPY |
| 218 | Glacier, Suntal Khayata Range | Shuhei Takahashi | Kitami IT | Hiroyuki Enomoto Kunio Shirasawa Takayuki Shiraiwa Akira Fukuda Konosuke Sugiura | Kitami IT Hokkaido U Hokkaido U Shizuoka U JAMSTEC | Glaciological investigation in Suntal Khayata Range, East Siberia, for IPY |
| 228 | McCall Glacier | Shuhei Takahashi | Kitami IT | Yoshiyuki Fujii | NIPR | Glaciological investigation in McCall Glacier, Alaska |
| 233 | PAICEX | Artur Chilingarov | Assoc.Russian Polar Expl. | | JAPAN | Pan Arctic Ice Camp Expedition |
| 251 | Circumpolar Population Monitoring | Yvon Le Maho | I Pluridisciplinaire Hubert C. | Akiko Kato Yasuhiko Naito Akinori Takahashi | NIPR NIPR NIPR | Circumpolar monitoring of the biology of key-species in relation to environmental changes |
| 267 | COMPASS | Victor Lagun | AARI | | JAPAN | Comprehensive Meteorological dataset of active IPY Antarctic measurement phase for scientific and applied studies |
| 274 | CLIGNES | Maria Ananicheva | I Geography, Russia | Shuhei Takahashi Hiroyuki Enomoto Kunio Shirasawa Takao Kameda Takayuki Shiraiwa Akira Fukuda Konosuke Sugiura | Kitami IT Kitami IT Hokkaido U Kitami IT Hokkaido U Shizuoka U JAMSTEC | Climatic factors of contemporary evolution of North-eastern Siberia glaciation, for International Polar Year |
| 288 | EBESA | Roberto Bargagli | U Siena, Italy | | JAPAN | Internationally coordinated studies on Antarctic environmental status, biodiversity and ecosystem |

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| 297 | DOME-A IPY | | Chinare | Yoshiyuki Fujii | NIPR | Dome A Observations and Multidisciplinary Exploring-Actions during IPY |
| 305 | COMAAR | Terry Callaghan | Abisco SRS | Toshio Koike | U Tokyo | Consortium for coordination of Observation and Monitoring of the Arctic for Assessment and Research |
| 308 | TUNDRACYCLE | Hiroshi Kanda | NIPR | Masaki Uchida Tatsuo Sweda Susumu Okitsu Hiroshi Koizumi Yakayuki Nakatsubo Takehiro Masuzawa Sin'ichi Sawaguchi Naoya Wada Satoshi Imura Satoru Kojima | NIPR Ehime U Chiba U Gifu U Hiroshima U Shizuoka U Niigata Int. Coll. Toyama U NIPR Tokyo Woman's Chr. U | Response of Arctic tundra ecosystem and carbon cycle to climate change |
| 313 | PANDA | Zhanghai Zhang | PRIC | Yoshiyuki Fujii Hideaki Motoyama | NIPR NIPR | The Prydz Bay, Amery Ice Shelf and Dome A Observation |
| 315 | TEMPORE | Jean-Paul Cadet | CGMW France | Masaru Yoshida | Gondwana I Geol.Env. | Tectonic Map of the Earth's Polar Regions |
| 327 | INCATPA | Harley Hung | Env. CANADA | Yasuyuki Shibata | Nat. I Env. St. | Intercontinental Atmospheric Transport of Anthropogenic Pollutants to the Arctic |
| 331 | Constructed Wetlands for Arctic Comm | Mark Williamson | Fleming Coll. | | JAPAN | Pilot Scale Constructed Wetlands for Small Arctic Communities |
| 339 | MARGINS | Mark Fahnestock | U New Hampshire | Ralf Greve | Hokkaido U | Measurement and Attribution of recent Greenland Ice Sheet Changes |
| 341 | TTAAPP | Jeff Ayton | SCAR, Australia | Giichiro Ohno | Yoyogi Hospital | Taking the Antarctic Arctic Polar Pulse-IPY 2007-8 Human Biology and Medicine Research |
| 343 | SOI-IPY | Geoffrey Green | Students on Ice | | JAPAN | Students on Ice-Ipy Youth Expeditions to the Arctic and Antarctic |
| 345 | JPACS | Koji Shimada | JAMSTEC | Motoyo Itoh Shigeto Nishio Takatoshi Takizawa | JAMSTEC JAMSTEC JAMSTEC | Joint Pacific Arctic Ocean Climate Studies |
| 346 | ISCLAG | Manfred A. Lange | U Muenster | Kumiko Goto-Azuma | NIPR | Ice and Snow Classification and Glossary |
| 354 | ISCORD2007 | Jyrki Keinaenen | Finnish Ass. Civil Eng. | Keiichi Satoh Harumi Sasaki | Hokkaido U Hokkaido Dev.Eng.Cent. | 8th International Symposium on Cold Region Development ISCORD 2007 September 23-25, 2007 Tampere |

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| 359 | CAOCS | Ivan Frolov | AARI | Koji Shimada | JAMSTEC | Central Arctic Ocean Complex Study |
| 368 | CISCAS | Ivan Frolov | AARI | Koji Shimada | JAMSTEC | Complex Investigations of Seasonal Cycle in the Arctic Seas |
| 412 | Design, development and construction | Johan Berte | Int. Polar Foundation | | JAPAN | Design, development and construction of a new Belgian Antarctic research station based on sustainable ... |
| 417 | I-TASC | Thomas Mulcaire | I for Contemporary Art | | JAPAN | INTERPOLAR Transnational Art Science Consortium |
| 418 | CEOP-IPY | Toshio Koike | U Tokyo | Tetsu Ohata Petra Koudelova | JAMSTEC U Tokyo | Coordinated Enhanced Observing Period in the International Polar Year |
| 442 | MST-ASA | Neusa Pares Leme | INPE, Brazil | Kazuo Shioka | Nagoya U | Study of the Mesosphere, Stratosphere and Troposphere Antarctica and its links South America |