

SCAR/IASC Open Science Conference – St. Petersburg, July, 2008
Science Program
Suggested Invited Speakers

1.0 STATUS AND CHANGE

1.1 Earth Structure and Geodynamics at the Poles

D Futterer (GER) R Gesonde(GER), T Wilson (US), S Drachey, Dalziel, R Gohl, A Haywood, L Timokhov, S Pisarev, M Khutorsko, G Alekseev, B Storey, A Vaughan, R Trouw, P Herve, J Jacobs, F Tessensohn, G Kleinschmid,

1.2 Polar Ocean Processes: Status and Change

H Loeng (NOR), S Rintoul (AUS) N Mikkelsen (DAN), H de Baar (NETH); L Anderson, I Melnikor; U Schauer (Ger), A Klepikv (Rus), SRintoul (AUS), T Fichfeet (BEL), A Bergamasco (It), I Wainer (BRA), Z Zhang (China), J Zhou (China), E Fahrbach, K Heywood, R Stein, M Jacobsson, L Anderson, K Heywood, S Rintoul, P Schlosser, R Dunbar, A Proshutsinsky, N Mikkelsen, S Pisarev, I Mokhov, G Alekseev, A Bergamasco, H Hellme, A Naveira-Garabato, T Vihma, R Gerdes, B Dickson, E Pakhomov, M Meredith, K Speer, D Martinson, H Goose, R Doescher, C Mauritzen, C Mauritzen, S Osterhus, W Jokat

1.3 Evolving Coastal, Near shore and Shelf Processes in the Polar Regions

Rachold (IASC/SWE), G Cherkashov (RUS) L Anderson, I Melnikor, H.W. Hubberten, G Cherkashov (EC:Lantuit, Overdun, Couture) H Kassens M Grigoriev, G Cherashov, R Stein, M Jacobsson, K Heywood, S Rintoul, L Anderson, J Grebmeier, P Schlosser, R Dunbar, H Eicken, A Proshutinsky, S Pisarev, I Mokhov, G Alekseev, S Solomon, I Semiletov, P Overduin, L Timokhov, W Pollard, St Dallimore

1.4 Shrinking Snow and Ice: Rapid Change in the Polar Regions

K Van der Veen, T Khromova, D Wingham, I Vellicogna, E Rignot, W Abdalati, A Shephard, K Jezek, I Joughin, J Zwally, K Van der Veen, H Eicken, A Glazovsky, A Georgiadi, V Vuglinsky, D Atkinson; H Oerleman; D Wingham: P Mayewski; A Gordon, B Goodison, A Glazovsky, T Worby, J Comiso, S Laxon, D Perovich, H Melling, N Young, M Braun, A Abe-Qouchi, O. Johannessen, T Worby, M van de BRoeke, R vande Wal, H Meyer, D Vaughan

1.5 Past, Present and Future Polar Climate Change

R Dunbar (USA), J Turner (UK) I Allison (AUS), N Smirnov (RUS); P Mayewski(US), V Lipenkov (RUS) , N Couture (EC), Dominique Raynaud (Fr), J Turner (UK); D Bromwich, J Shanklin J Turner, D Burridge, I Karol, V Radionov, E Wolff, J Francis, J Isbell V Masson-Delmotte (FRA) and M Siegert (UK) H Lantuit(EC), I Joughlin, A Shepard, H Pritchard, I Howitt, S Robinson, D Vaughn, V Kattsov, V Lagun, G Leitchenkov, H Fischer, D Thomson, K Gohl R. Gersonde, V Lagun, X Cunde, T Ommen, R Alley, J Walsh, O Joahnnessen

1.6 Meteorological Processes in the Polar Regions

K Dethloff (GER), J Drummond (CAN) Klaus Dethloff (Ger), Ian Renfrew(UK), John Turner (UK), J Drummond (CAN), T Utall (US), J Paatero (DAN), G Hansen (NOR), A Makshtas (RUS), D Bromwich (US), John King (UK), C Luepkes (Ger), M Serreze (US), D Thompson (US), M Tjernstrom, K Dethloff, J Walsh, R Bintanje

1.7 Polar Terrestrial Ecosystems: Status and Change

P Convey (UK) S Chown (SAFR) A Huiskes (NETH), A Neyelov (RUS), and J Baeseman (EC), US); N Cannone, A Tishkov , and M Raymond (EC), B Chen (China), SH Kang (Korea), K Danell, T Prowse, B Sirenko, I Smirno, W Vincent, G Henry, P Convey, D Bergstrom. S Chown, M Stoddart, A Tishkov, I Melnikov, M Gavrilov, V Romanovsky, C Vorosmarty, T Christensen, O Anisimo, H Wolfgang Hubberten, J Syvitsky, T Christensen, St Dallimore, J Boelhouwers, S Goriachkin, V Melnikov, A Georgiad, A Snorrason, T Ohata, T Prowse, K Saito, T Callaghan, C Tweedie, J Rozema, T Callagahn, A Betlich, S Lamoureaux, W Pollard

1.8 Polar Marine and Aquatic Ecosystems: Status and Change

J Gutt (GER), M Stoddart (AUS) I Melnikov (RUS), D Begstrom (AUS), G Vieira (EC), B Chen (China), SH Kang (Korea) (EC- J Xavier), A Crame, J Francis, C Smith, HO Pörtner, A Beylich, N Couture, P Convey, S Gordon, A Tishkov, E Fanta, A Brandt, E Murphy, E Hoffman, S Nicol (Aus), U Bathmann, I Werners, V Siegel, , M Klages, E Murphy, M Stoddart, R Gradinger, W Waegele, K Drinkwater, G Hosie, K Drinkwater

1.9 Status and Change in Cultural Heritage sites in Polar regions

L Hacquebord (NETH) Susan Barr, J F Le Mouel, C Ludecke, M Pearson, H P Blankholm, D Olynyk, J Hunston, R Roura, P Chaplin, R Stehberg, M Morrison, A Jensen, R Mackay, J Hughes, R Farrell, U Gustavss

1.10 Status and Change in the Polar regions –General Session

2.0 POLAR/GLOBAL LINKAGES

2.1 Coupled Cryosphere/Ocean/Atmosphere Systems

D Bromwich (US) and M Frezottie (ITA); G Hosie (AUS) and E Hoffman (US); H de Baar (NL), L Anderson (Sw), J Turner; E McCarthy, E Fanta, M Hood, A Klepikov , D McGuire, R Dickson, H de BaarNiki Gruber, B. Tilbrook; U Riebesell, J Runcie, R Bellerby, C Heinze, P Treguer, H Fischer, G Lohmann, K Dethloff, H Drange, T Trull, B Tilbrook, P Schlosser

2.2 Polar/Global Biological Connections

K Conlan (CAN), T Worby, A McMinn, S Chown, E Isla, I Werner, D Piepenburg, V Siegel, M Loonen, B Ebbinge, F Melhum, G Gabrielsen, J a van Franeker

2.3 The Sun's Interactions with the Earth's Atmosphere and Electromagnetic Environment

Kirsti Kauristei (FIN), A Weatherwax, V Papitashvili, Janet Kozyra and Slava Pilipenko

2.4 Human Linkages: The History of Non-indigenous Peoples in Polar Regions; Impacts and Interactions

N Gilbert (NZ), D Avango (S, EC), E Andreeva, D Landau, D Roots, L Brigham, D Avango, B Basberg, L Hacquebord, M Oglethorp, C Hartnell, U Gustavsson, H de Haas, M Bravo, S Sorlin, P Martin, J Larus, D Thomas

2.5 Polar/Global Linkages - General Session

3.0 A SENSE OF DISCOVERY

3.1 Deep Sub-ice Water, Hydrological Systems and Ice sheet Interactions

V Lipenkov (RUS) and JR Petit (FRA), H Fricker, M Studinger, R Bell, M Seigert, F Pattyn, R Bell, M Slidmore, D Morozova (EC), S Leibne, S Bulat, V Lukin

3.2 Frontiers in Polar Biology

D Gilichinski (RUS), T Naganuma (JAP) and D Avango (EC), B Chen (China), SH Kang (Korea), A Brandt, P Wassman, T Naganuma, V Wadley, A Wilmott, C Ellis-Evans

3.3 Polar Microbes, Genetics, and Molecular Biology

Dave Gilichinski (RUS), T Naganuma (JAP) and D Avango (EC), A Brandt, P Wassman, T Naganuma, V Wadley, A Wilmott, C Held, C Ellis-Evans, D Wagner A Murray, D Cowan, D Pearce, G Kowalchuk

3.4 Technological Advances and Polar Exploration

J Thiede (GER), J Fitzpatrick (US), G Jugie (FR), N Cunnungham, JC Gascard, Of Boebel, J. Thiede, M Klages

3.5 Polar Weather and Climate Forecasting

D Burridge (UK), M Beland (Canada), Ø. Hov (Norway), J Shanklin, P Clemente-Colon, A Yuan, M Serresze, K Dethloff, J Walsh, M Tjernstrom, T Bracegirdle, J Turner

3.6 Frontiers in Polar Scientific Drilling

J Brigham Grette (US) and P Barrett (NZ), T Naish, J Anderson, M Jacobsson, M Melles, F Rack, R Mulvaney

3.7 A Sense of Discovery – General Session

4.0 THE POLES AS A VANTAGE POINT FOR OBSERVATIONS

4.1 Polar Observing Systems

B Goodison, JC Gascard (FRAN), J Drummond (CAN), T Utall (US), J Paatero (DAN), G Hansen (NOR), A Makshtas (RUS), E Fahrback, B Coakley, J Key, C Tweedie, J Calder, C Lee, M Fedak, S Sandven, O Rogne, T Callaghan

4.2 Astronomy and Astrophysics

M Candidi, Silvia Massi, Sara Church, M Burton, M Busso, E Fossat, Spiering, J Carlstrom, DeBernardis

4.3 New Ways of Looking at the Polar World

Johnathan Bamber and Tillmann Mohr, A Behar, S Lamoureaux, S Gordeev, K Jezek, S Goginenei, C Vosomarty

4.4 Earth's Magnetic Field: A View from the Poles

A Liakhov, V Papitashvii (US)

4.5 Accessing and Preserving Data as an IPY Legacy

T de Bruin and T Khromova, D Kharin, V Smolyanitsky, D Baker, M Parsons, K Finney

4.6 The Poles as a Vantage Point for Observations - General Session

5.0 PEOPLE AND RESOURCES AT THE POLES

5.1 People and Change

M Bravo, T Vlasova and S Ostertag (EC); I Krupnik, T Vlasova, _ Andreeva, K Parewick, Y Csonka, L Kullerud, B Forbes, S Gearhead, N Einarsson (EC), C Callison, K Parewick (EC), D Avano, I Krupnik _ Andreeva, G Blaisdal, L Kielsen Holm, G Hovelsrud, B Poppel D.Bogoyavlenskiy, A.Siggner, G. Duhaime, C.M.Hild, V.Stordahl, A.Vaktskold, J. Ø. Odland, E.J. Molenaar, C. Bastmeijer, E.G.Broderstad, K van Dam

5.2 Harvesting and Exploitation of Polar Biological Resources

P Rodhouse (UK), S Mathiesen, K-H Kock, L Hamilton, R Rasmussen, A Atkinson, M Stoddart), I Everson, E Murphy, C Waluda (EC), FJ Wrona, T Dick

5.3 Conservation, Tourism, and Visitor Management

L Brigham, EC- D Haase, D Landau, R Roura, A Hemmings, C Bastmeijer, M Lamers(EC), K Crosby, J.Green, M.Geitz, H.U.Peter,B.Stonehouse, K.de Korte, A.Grenier,_S_Poncet, K Hughes, P Mason, B Stonehouse

5.4 The Role of Native Knowledge in Modern Polar Science

S Gearhead and V Gofmann,_T Fenge,D. Jolly, I. Krupnik, G.Kofinas, T. Thorpe, M.Freeman, G.Wenzel,P.Usher, N.Thotpe, J.Anawak.

5.5 Arctic and Antarctic Archaeology

M.A.P.Renouf, L.Hacquebord, EC- D Avengo,_B.C. Hood, H P Blankholm, B Grønnow, P. Sutherland, R. McGhee, M.A.P.Renouf, S. Kaplan, J.Woollett, M.Pearson, A.M.Jensen, T. McGovern, H.Bjerck,N. Broadbent,W.W.Fitzhugh, J.Estevez, M.Appelt. J.F.Jensen

5.6 Polar Bridges: Social Scientists and Natural Scientists Working Together

G Duhaimes, P Prestrud, B Corell,_M Murrey, H Huntington, V Rachold, L Hacquebord, A Hakon Hoel, H Vilhjalmsson.

5.7 Institutionalization of Polar Research - The International Polar Years

C Luecke: B.P.Abbink (EC), J.Berguno, A Elzinga, I.Gan, E Genest, A Honkins, M Jara, N Llanos, J Moore, SCAR History AG, U Wrakberg, S.Sorlin, M.Bravo, D Walton, M Bravo, Wrakberg, S Sorlin, P Clarkson

5.8 People and Resources at the Poles– General Session