



INTERNATIONAL ARCTIC SCIENCE COMMITTEE



Autumn 2016

IASC PROGRESS

After being located in Potsdam (Germany) since 2009, the IASC Secretariat will be moving to Akureyri (Iceland) early 2017. On this occasion we are presenting a special issue of the IASC Progress, highlighting the major achievements during the past eight years. At the same time, we thank the Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research (AWI) and the German Research Foundation (DFG) for generous support. We are confident that the IASC Secretariat has found an excellent new home in Akureyri and that the new staff will continue to strengthen IASC's role as the leading science organization of the North.

Heike, Susan, Maja, Mare, Ursula, Yoo Kyung, Tetsuo and Volker

2009-2016



IASC Fellowship Award, ASSW 2015 TOYAMA



IASC Medal Lecture 2010 Patrick Webber

IASC MISSION: IASC is a non-governmental, international scientific organization. The Founding Articles committed IASC to pursue a mission of encouraging and facilitating cooperation in all aspects of Arctic research, in all countries engaged in Arctic research and in all areas of the Arctic region. Overall, IASC promotes and supports leading-edge multi-disciplinary research in order to foster a greater scientific understanding of the Arctic region and its role in the Earth system.



ASSW 2016 FAIRBANKS



Arctic Data Committee 2014 POTSDAM



Indigenous Peoples Secretariat Meeting ASSW 2015 TOYAMA



Working Group Workshop: 2011 POTSDAM



SCAR / IASC COOPERATION 2016 POTSDAM



3RD INTERNATIONAL CONFERENCE ON ARCTIC RESEARCH PLANNING



IASC after



With establishing as its IASC brought together from all its member countries.



MWG: ASSW 2013, POLAND



CWG: ASSW 2014, HELSINKI, FINLAND

- Atmosphere
- Cryosphere
- Marine
- Social & Human
- Terrestrial

WORKING GROUPS

AWG

CWG

MWG

SHWG

TWG



TWG: ASSW 2015, TSUKUBA, JAPAN



The WGs initiate and support science-led international programs by offering opportunities for planning and coordination, and by facilitating communication and access to facilities.



AWG: ASSW 2016, FAIRBANKS, ALASKA



Working Group Workshop: 2011 POTSDAM



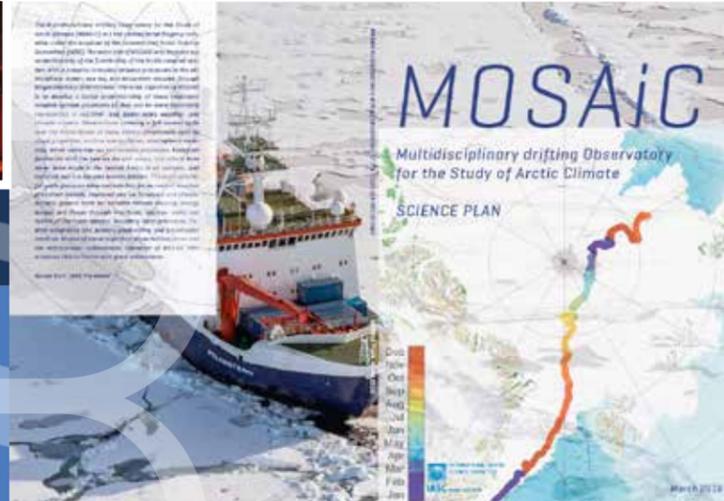
SHWG: ASSW 2013, KRAKOW, POLAND



Involving the broader research community in a 2-year planning process IASC published a **Roadmap for Future Arctic Research**

ICARP

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The overarching ICARPIII research priorities are:

1. Role of the Arctic in the global system;
2. Prediction of future climate dynamics and ecosystem responses;
3. Improved understanding of the vulnerability and resilience of Arctic environments and societies.



ICARPIII STEERING GROUP MEETING POTSDAM





ASSW has evolved to the main annual gathering of the Arctic Research Community, including a Science Symposium every 2 years and the Arctic Observing Summit every other year.



ASSW 2010 NUUK



ASSW 2015 TOYAMA

ASSW
2009-2016

Arctic Science Summit Week

- Bergen NORWAY
- Nuuk GREENLAND
- Seoul KOREA
- Montréal CANADA
- Kraków POLAND
- Helsinki FINLAND
- Toyama JAPAN
- Fairbanks ALASKA



ASSW 2013 KRAKÓW



ASSW 2012 MONTRÉAL during IPY 2012



ASSW 2009 BERGEN

ASSW 2016 attracted more than 1000 participants from more than 30 different nations and more than 130 different institutions.



ASSW 2011 SEOUL



AOS SUMMIT 2016 Fairbanks



ASSW 2016 FAIRBANKS



ASSW 2014 HELSINKI





1. Joint IASC/SCAR Bipolar Action Group (BiPAG)

2. Data Policy Action Group (DPAG)

3. Action Group on Geosciences (AGG)

IASC ACTION GROUPS

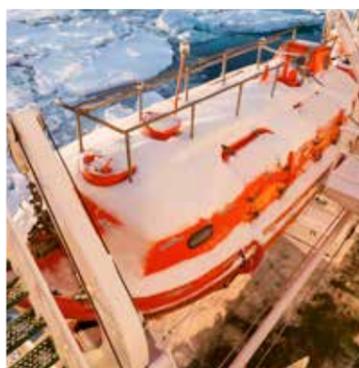


Bipolar Action Group I / II

Bipolar ACTION GROUP (BiPAG)



2nd Bipolar ACTION GROUP on Science Cooperation (BiPAG II)



Action Groups proved to be an important tool for IASC to address urgent needs and to provide advice on long-term strategic issues.

Action Group on Geosciences



ACTION GROUP on Geosciences



IASC Data STANDING COMMITTEE



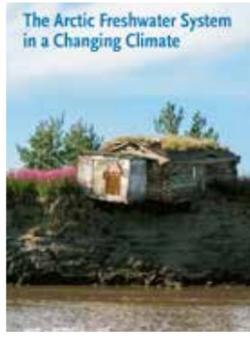
IASC Data Policy ACTION GROUP

Data Policy Action Group

Arctic Council
1996-2016



Building on the jointly conducted Arctic Climate Impact Assessment (ACIA), IASC broadened its successful cooperation with the Arctic Council.



ARCTIC COUNCIL MINISTERIAL MEETING 2013 KIRUNA

IASC & Arctic Council

ARCTIC COUNCIL
20 Year Anniversary
ASSW 2016
FAIRBANKS

S

The Arctic Council was established on 19 September 1996 with the signing of the Ottawa Declaration. IASC has been an accredited observer of the Arctic Council from its very beginning and supports the works of the AC, its Working Groups and Permanent Participants by providing scientific expertise from all its members, including the non-Arctic countries.



IASC/ SAON Data Committee 2014 POTSDAM



SAON BOARD Meeting 2012 POTSDAM



Indigenous Peoples Secretariat Meeting
ASSW 2015 TOYAMA



SWIPA Workshop 2014 POTSDAM





IASC MEDAL

The IASC Medal is recognized as one of the most prestigious awards within Arctic research.

IASC



2014 Julian Dowdeswell



2016 John E. Walsh

MEDAL

Award



2015 Odd Rogne
IASC Award for Service



2015 Jacqueline Grebmeier



2013 Leif G. Anderson

2016 John E. Walsh

2015 Jacqueline Grebmeier

2014 Julian Dowdeswell

2013 Leif G. Anderson

2012 Igor Krupnik

2011 Martin Jakobsson

2010 Patrick Webber

IASC Medals are awarded in recognition of exceptional and sustained contributions to the understanding of the Arctic. The award is presented by the President of IASC during the Arctic Science Summit Week and includes the IASC Medal Lecture.



2012 Igor Krupnik



2010 Patrick Webber



2011 Martin Jakobsson

23
Member Countries



IASC is growing and now includes **23** Member Countries:
 1990: Canada, Denmark/Greenland, Finland, France, Germany, Iceland, Japan, The Netherlands, Norway, Poland, Russia, Sweden, USA, United Kingdom, 1995: Switzerland, 1996: China, 1997: Italy, 2002: Republic of Korea, 2009: Spain, 2012: Czech Republic, India, 2014: Austria, 2015: Portugal



New Memorandum of Understanding between IASC and the Forum of Arctic Research Operators (FARO), (ASSW 2013 in Krakow)

PARTNERS

Members & Agreements

A

- APECS
- CirchNet
- EPB
- FARO
- IASSA
- IACS
- ICES
- IPA
- PAG
- SCAR
- UArctic
- ClIC



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SCAR / IASC COOPERATION 2016 POTSDAM

With the goal to develop and stimulate shared initiatives that are of high interest

to the broader Arctic research community, IASC signed formal partnership agreements with several other Arctic or Polar organizations which over the past years resulted in numerous joint scientific and/or outreach activities.





Promoting and involving the next generation of scientists working in the Arctic is an integral part of IASC's mission. The Fellowship Program has become the most important tool to achieve this goal.

Early Career Scientists (ECS)



IASC Fellows at the GEOQuébec 2015 in Canada

A FELLOWSHIP Program

2014
2015
2016

IASC Fellows 2014

IASC Fellows 2015

IASC Fellows 2016



IASC Fellowship Award, ASSW 2015 TOYAMA

The IASC Fellowship Program provides the opportunity for Early Career Scientists to become involved in leading-edge scientific activities at a circumpolar and international level, to build an international network of contacts and also to develop management skills.



IASC Fellows at ASSW 2014





IASC Information On Social Media platforms

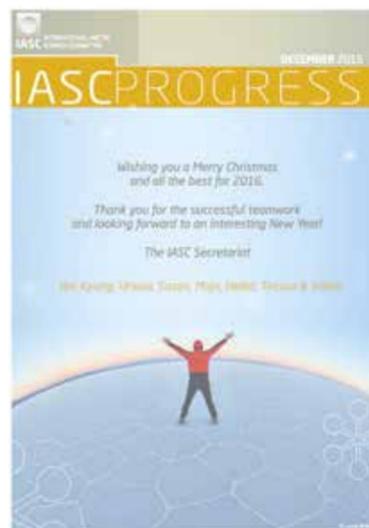
Outreach



- IASC Bulletin
- IASC Progress
- IASC Calendar
- IASC History Publication
- IASC History Film
- IASC Website



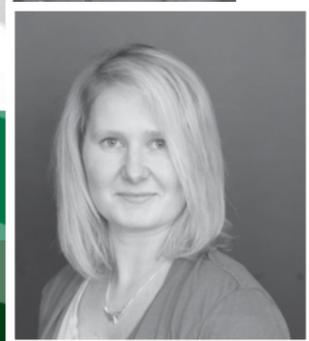
To keep the international Arctic community informed about internal and external developments and initiatives of IASC, the secretariat uses various communication tools to provide news and updates.



A well-functioning secretariat has been crucial to the success of IASC. Generous support from Germany, hosting and financing the central secretariat in Potsdam, as well as additional support from Canada, Japan, Korea, Poland and the USA was a key to strengthen IASC over the last years. Since 2009 the secretariat staff has increased from originally 3 to now 7 team members.



IASC Secretariat



Volker Rachold, Executive Secretary

Mare Pit, Executive Officer

Ursula Heidbach, Communications Officer

Heike Midleja, Administrative Assistant



IASC Past Executive Officer

Sarah Bowden

Atmosphere, Marine, Terrestrial WGs

Yoo Kyung Lee

Cryosphere WG

Tetsuo Sueyoshi

Social & Human WG

Susan File

IASC Fellowships & Early Career Support

Maja Lisowska



The new IASC Secretariat 2017 - 2021

Iceland, which is represented in IASC by the Icelandic Research Council (RANNIS), will host the IASC Secretariat from the beginning of 2017 in Akureyri.

The government of Iceland decided to allocate 35 million Icelandic Kroner annually (approx. 250.000 Euro) to the operation of the secretariat for the next 5 years (2017-2021).

Since 2009, the IASC Secretariat has been located in Potsdam, Germany and financed by the Alfred Wegener Institute (AWI) and the German Science Foundation (DFG). Earlier it was located in Sweden and Norway. The decision on the relocation of the IASC Secretariat was taken at the IASC Council meeting held at ASSW 2016 in Fairbanks, Alaska in March this year. Akureyri hosts institutions dealing with Arctic issues, including the Stefansson Arctic Institute, the Arctic Council Working Groups PAME (Protection of the Arctic Marine Environment) and CAFF (Conservation of Arctic Fauna and Flora), the Iceland Arctic Cooperation Net-

work and the Arctic Portal.

Following a competitive hiring process with various highly qualified candidates, IASC is now happy to announce that **Dr. Allen Pope**

will be IASC's new Executive Secretary as of 01. January 2017. Volker Rachold, former Executive Secretary, will be assisting IASC with advice for the first trimester of 2017.



Before coming to IASC, Dr. Allen Pope held positions as a research scientist at the National Snow and Ice Data Center (University of Colorado Boulder) and the Polar Science Center (University of Washington) where he researched remote sensing of glaciers. He also was a visiting scientist at Dartmouth College where he taught a course on Polar remote sensing. Allen holds a Ph.D. and a M.Phil. in Polar Studies from Cambridge University where he worked on multispectral remote sensing of Arctic glaciers and conducted glaciological fieldwork in Antarctica, Iceland, Svalbard, Sweden, Alaska, Canada, and Nepal. He has worked extensively with a range of international scientific organizations, including as a council member of the American Geophysical Union and president of the Association of Polar Early Career Scientists. You can find out more about Allen and his research at <https://about.me/allenpope>. He also enjoys sharing and discussing polar science with the public and tweets @Pope-Polar.

IASC's 2017 Executive Secretary Allen Pope

IASC Council

Country	Organization	Representative
Austria	Austrian Polar Research Institute (APRI)	Wolfgang Schöner
Canada	Polar Knowledge Canada	Wayne Pollard
China	Chinese Arctic and Antarctic Administration	Huigen Yang, Vice-President
Czech Republic	Czech Centre for Polar Ecology	Josef Elster
Denmark/Greenland	Agency for Science, Technology and Innovation	Naja Mikkelsen, Vice-President
Finland	Delegation of the Finnish Academies of Science and Letters	Kari Laine
France	Institute Polaire Français	Yves Frenot
Germany	Deutsche Forschungsgemeinschaft	Karin Lochte
Iceland	RANNIS, The Icelandic Centre for Research	Thorsteinn Gunnarsson
India	National Centre for Antarctic and Ocean Research (NCAOR)	M. Ravichandran
Italy	National Research Council of Italy	Carlo Brabante
Japan	Science Council of Japan	Tetsuo Ohata
The Netherlands	The Netherlands Organization for Scientific Research	Peter Jordan
Norway	The Research Council of Norway	Susan Barr, President
Poland	Polish Academy of Sciences, Committee on Polar Research	Jacek Jania
Portugal	Portuguese Foundation for Science and Technology	João Canario
Russia	The Russian Academy of Sciences	Vladimir Pavlenko, Vice-President
Republic of Korea	Korea National Committee on Polar Research	Yeadong Kim
Spain	Comité Polar Español	Manuel Catalan
Sweden	The Swedish Research Council	Magnus Friberg
Switzerland	Swiss Committee on Polar Research	Martin Schneebeli
United Kingdom	Natural Environment Research Council	Henry Burgess
USA	Polar Research Board	Larry Hinzman, Vice-President