



INTERNATIONAL ARCTIC
SCIENCE COMMITTEE

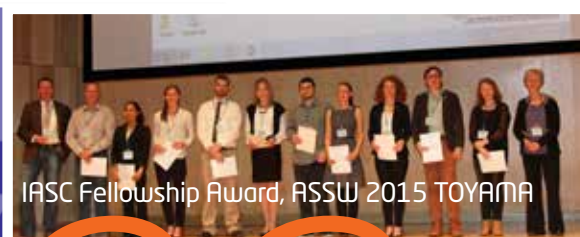


Autumn 2016

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



IASC Fellowship Award, ASSW 2015 TOYAMA



IASC Medal Lecture 2010
Patrick Webber

2009-2016

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



IASC after 25 Years





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

WORKING A Groups



MWG: ASSW 2013, POLAND



CWG: ASSW 2014, HELSINKI, FINLAND

Atmosphere
Cryosphere
Marine
Social & Human
Terrestrial

AWG
CWG
MWG
SHWG
TWG



TWG: ASSW 2015, TOKYO, 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



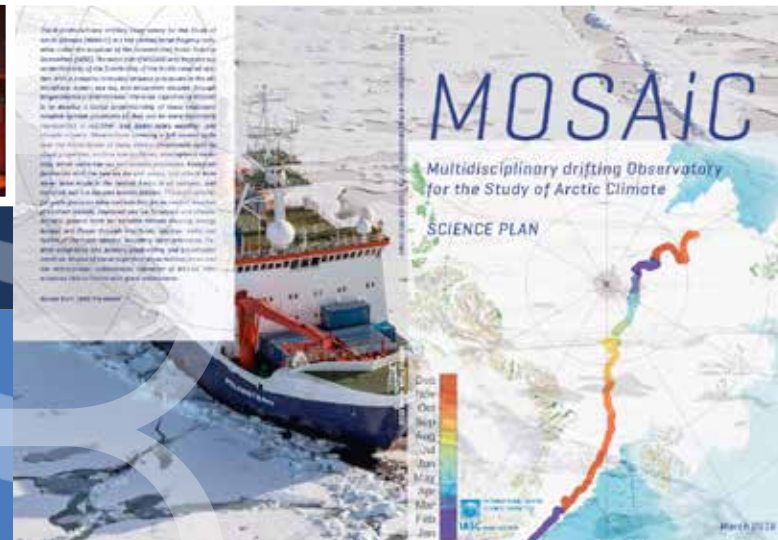
Working Group Workshop: 2011 POTSDAM



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 III



The overarching ICARP III 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.



ICARP III 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

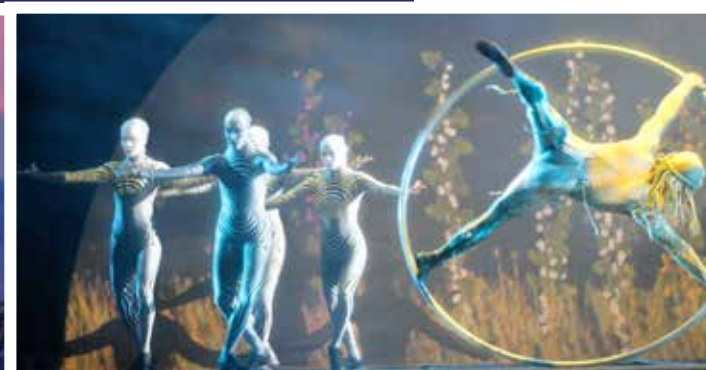
ASSW
2009-2016

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





Joint IASC/SCAR Bipolar Action Group (BiPAG)

Data Policy Action Group (DPAG)

Action Group on Geosciences (AGG)

ACTION A Groups



Bipolar ACTION GROUP (BiPAG)

Bipolar
Action
Group I /II



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



Action
Group
on
Geo-
sciences



ACTION GROUP on Geosciences

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



IASC Data STANDING COMMITTEE

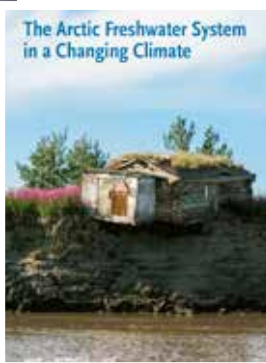


IASC Data Policy ACTION GROUP

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

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



SAON
SUSTAINING ARCTIC
OBSERVING NETWORKS



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

IASC MEDAL

A



2014 Julian Dowdeswell



2016 John E. Walsh

MEDAL

Award



2015
Odd Rogne
IASC Award for Service

2016

John E. Walsh

2015

Jacqueline Grebmeier

2014

Julian Dowdeswell

2013

Leif G. Anderson

2012

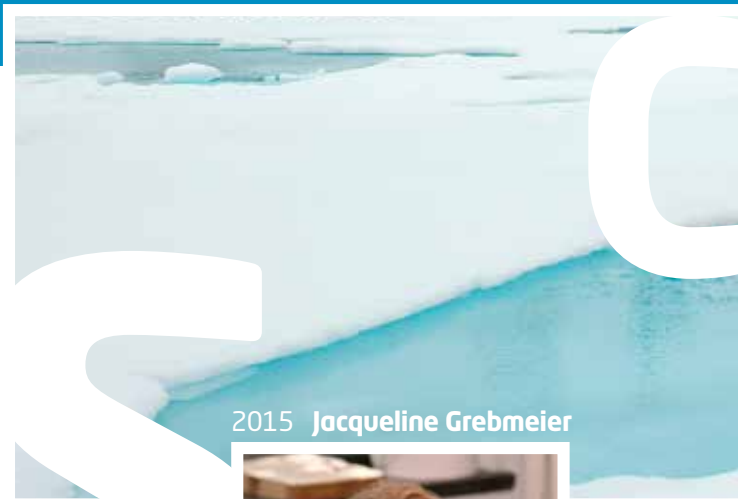
Igor Krupnik

2011

Martin Jakobsson

2010

Patrick Webber



2015 Jacqueline Grebmeier



2013 Leif G. Anderson

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

PARTNERS

Members & Agreements

APECS
CircNet
EPB
FARO
IASSA
IACS
ICES
IPA
PAG
SCAR
UArctic
Clic



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



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

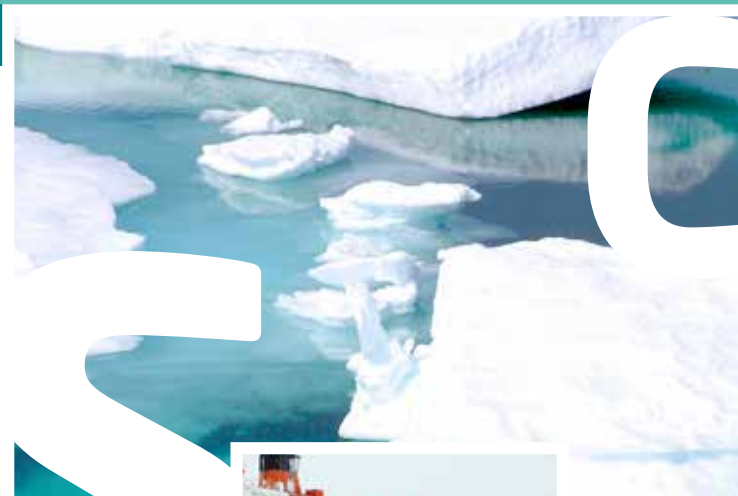
A FELLOWSHIP Program

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 circumarctic 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

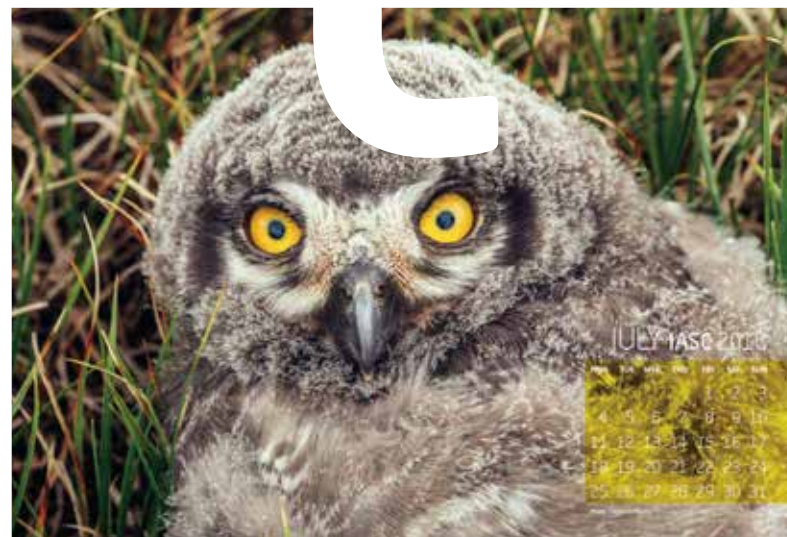
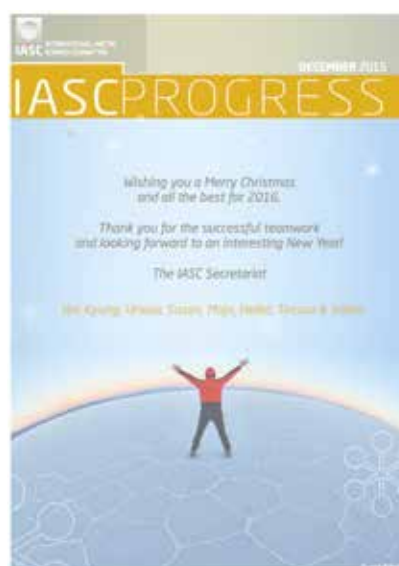
Outreach



- 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 |