



APECS April/May 2011 Newsletter

APECS has (as always) been busy and active thanks to our enthusiastic members - and I'm happy to be writing an introduction to another newsletter completely packed with news, features, photos, opportunities, events, jobs, career development, and networking possibilities!

Recent highlights include a strong APECS presence at the recent Arctic Monitoring and Assessment Programme (AMAP) conference in Copenhagen, APECS contributions at a planning meeting for a potential International Polar Decade, and the resurgence of the Research Activities Committee with monthly focuses: April was for Atmospheric Sciences, May is Marine Biology, and June will be Social Sciences.

There are so many great ways to get involved in APECS - so take a moment to read through the newsletter, put yourself out there, take advantage of these unique opportunities, and as always please contact us if you have any questions/comments/feedback/etc.

Yours in Polar Research,

- Allen Pope, APECS President 2010-2011



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J. Sievers



J. Sievers

APECS News & Updates

May is Polar Marine Biology

Contributed by Tosca Ballerini



The APECS Research Activity Committee decided that the next discipline of the month will be MARINE BIOLOGY. We are now working on it and we need your help!

Check out our new webpage at <http://www.apecs.is/research-fields/marine-systems/biology>. It's loaded with information on what APECS

members are doing, who our mentors are, and how to find out more about polar marine biology. The webpage is interactive. If you're an APECS member in marine biology, we want to hear from you! Go to the webpage and tell us what you're working on, share a publication, link to your research blog and much more.

<http://apecs.is/features/2968-may-is-marine-biology>

APECS Members Join Sea Ice Biodiversity Expert Panel

Contributed by Kristen Gorman

APECS members Kristen Gorman and Sarah Hardy were among the international group of polar scientists, representatives from government agencies and conservation groups, and indigenous community experts who joined the steering committee of the Arctic Council's Conservation of Arctic Flora and Fauna (CAFF) Working Group for a three-day workshop on conservation of sea-ice associated biodiversity. The meeting was held March 22-24, 2011 in Vancouver, British Columbia. A second meeting is scheduled for Fall 2011 in Saint Petersburg, Russia.

The Arctic Council is an intergovernmental forum that seeks to promote cooperation and interaction among Arctic States and indigenous communities in addressing common Arctic issues, including sustainable development and environmental protection, and CAFF is specifically tasked with addressing conservation issues.

<http://apecs.is/apecs-news/2917-apecs-members-join-sea-ice-biodiversity-expert-panel>



NASA Earth Observatory

APECS at the Barneo Ice Camp (North Pole)

Contributed by Alexey Pavlov

50 years anniversary of the first man in space - Yuri Gagarin was widely celebrated in Russia on 12 April 2011.

Thanks to Nikita Kuprikov from Moscow Aviation Institute and Alexey Pavlov from Arctic and Antarctic Research Institute, a small copy of the rocket "Vostok" with APECS logo onboard was launched from the Barneo Ice Camp in close proximity to the North Pole.

http://www.youtube.com/watch?feature=player_embedded&v=KEkWRhOFPIc

<http://apecs.is/apecs-news/2965-apecs-at-the-barneo-ice-camp-north-pole>



APECS Involved in Discussing International Polar Decade

Contributed by Allen Pope

In June 2010 the 62nd Session of the WMO Executive Council (EC) recommended to its EC Panel on Polar Observations, Research and Services (EC-PORS) to consult with other relevant organizations to assess interest and scope out an International Polar Decade (IPD) Initiative. To support this recommendation, Roshydromet hosted a Workshop at the Arctic and Antarctic Research Institute (AARI) of Roshydromet in St. Petersburg 14 and 15 April 2011, cosponsored by WMO.

APECS President Allen Pope represented early career researchers at the meeting, giving a presentation on APECS and its activities (<http://apecs.is/promotional-materials/2958-prezi>) and contributing to the discussion on how IPY legacies could be harnessed in future coordinated polar researcher efforts. Within the final document coming out of the workshop, we highlight that "Noting particularly the longer time scale of the IPD initiative, the networks of early career polar researchers and observers (Association of Polar Early Career Scientists (APECS) and Permafrost Young Research Network (PYRN), etc.) should be engaged in all aspects of IPD planning."

<http://apecs.is/features/3016-apecs-involved-in-discussing-international-polar-decade>





APECS News & Updates

Awards for Early Career Scientists at ASSW 2011

Contributed by Alexey Pavlov

In the beginning of April, an Arctic Science Summit Week 2011 (ASSW) took place in Seoul, South Korea. This year traditional business meetings were complemented by a 3 day scientific symposium entitled "The Arctic: New frontier for Global Science".

Following the experience of previous conferences (e.g. IPY Oslo conference, Arctic Frontiers 2011), a joint effort between APECS and International Arctic Science Committee (IASC) resulted in the Award for Outstanding Oral and Poster presentations given by Early Career Scientists.



Our congratulations to Award Winners!

Best oral presentation:

Gijs de Boer

Lawrence Berkeley National Lab, USA

The Arctic Atmosphere in CCSM4: Evaluation of key variables

Best poster presentations:

Kazutoshi Sato

JAMSTEC/Hirosaki University, Japan

Change in cloud-base height over the ice-free Arctic Ocean during autumn

&

Hye Min Kim

Korea Polar Research Institute, South Korea

Microbial Diversity of the Active Layer Soil from the Canadian High Arctic

<http://apecs.is/apecs-news/3017-awards-for-early-career-scientists-at-assw-2011>

Registration Open - Remote Sensing Summer School

Contributed by Jennifer Hall

Registration is now open for the Remote Sensing Summer School for Polar Scientists at University of Reading from 20th – 22nd July 2011.



The UKPN, in partnership with the National Center for Earth Observation, the Earth Observation technology cluster, and ESA, are proud to present a 3 day summer school aimed at early doctoral students working in Polar or cryospheric remote sensing.

<http://apecs.is/apecs-news/3015-registration-open-remote-sensing-summer-school>

VPS April Recording - "Arctic Pollution Transport"

Contributed by Kim Jochum

The April APECS Virtual Poster Session on "Arctic Pollution Transport" was held on Thursday, 28 April 2011 at 7:00 p.m. GMT. The call was chaired by the Atmosphere and Climate Science Coordinators Julia Schmale and Jenny Fisher, and two early career scientists presented.



<http://apecs.is/apecs-news/2990-vps-april-recording-arctic-pollution-transport>

APECS Presentation at the Faculty of Ecology of People's Friendship University of Russia

Contributed by Yulia Zaika

APECS was represented at the Faculty of Ecology of People's Friendship University of Russia during the Plenary Session at Annual All-Russian Conference "The Urgent Ecological and Nature Management Problems". The conference was attended by great scientists from all over Russia, Mexico, Kazakhstan and Belarus. A lot of young scientists represented their researches.



<http://apecs.is/apecs-news/2957-apecs-presentation-at-the-faculty-of-ecology-of-peoples-friendship-university-of-russia>

Messages from the Director

Arctic Monitoring and Assessment Programme (AMAP)

This past week was another success for APECS in helping to shape the future of polar research - this time with the Arctic Monitoring and Assessment Programme (AMAP), a working group of the Arctic Council. APECS held the "Shaping the Future of AMAP workshop" prior to their conference last week in Copenhagen. Out of this came a series of recommendations on what the participants view and the most important things that AMAP and other groups can do to help support future Arctic research and early career researchers. To learn more about the APECS Workshop at AMAP and our Recommendations, click here. Keep your eyes on the website as we will be putting the videos from the workshop online shortly.



So, I thought this month would be a perfect opportunity to tell you about AMAP, as the Secretariat is located here in wonderful Norway!

AMAP is an international organization established in 1991 to implement components of the Arctic Environmental Protection Strategy (AEPS). Now a programme group of the Arctic Council, AMAP's current objective is "providing reliable and sufficient information on the status of, and threats to, the Arctic environment, and providing scientific advice on actions to be taken in order to support Arctic governments in their efforts to take remedial and preventive actions relating to contaminants".

Over the past 20 years, the AMAP has played a central role in these developments. Established by the eight Arctic Countries in 1991, and now one of the groups serving the Arctic Council AMAP is charged with coordinating monitoring and performing scientific assessments of pollution and climate change issues in the circum-Arctic area to document trends and effects in Arctic ecosystems and humans and identify possible actions for consideration by policy-makers.

AMAP has produced several highly-valued science based assessment reports over the years. At this conference AMAP will present the results of its most recent assessments, including the 2011 SWIPA (Snow, Water, Ice and Permafrost in the Arctic) assessment and the 2011 AMAP Mercury assessment. Recently updated assessments on human health and other pollution issues such as Persistent Organic Pollutants (POPs) and radioactivity will also be addressed. The SWIPA assessment was initiated as a follow-up to the Arctic Climate Impact Assessment (ACIA) and will produce information that will feed into the next IPCC report. The mercury assessment includes contributions to the process currently ongoing under UNEP to establish a global agreement on mercury while the POP assessment is providing data of relevance for the Stockholm Convention.

The above description was taken from the AMAP website and you can find more information at <http://amap.no/>.

To review the conference, please visit <http://amap.no/Conferences/Conf2011/>.

Centre for Ice, Climate and Ecosystems

March was a pretty busy month for APECS, and I want to thank all of you for working so hard to make our organization great. As the Arctic field season begins, I know a lot of you are getting ready to head out to collect some great data. Angelika Renner, a member of the Executive Committee is heading out for two marine cruises this month looking at sea ice in the Arctic Ocean... so I thought it would be a good time to tell you about the center where she is based here in Tromsø -



The Norwegian Polar Institute's Centre for Ice, Climate and Ecosystems (ICE; <http://ice.npolar.no/en/>) was opened in 2009. ICE will position itself as a national competence centre for ice and climate research and environmental monitoring of the polar regions.

The research focus of ICE is sea ice and snow, effects of climate change on ecosystems and alpine glaciers. ICE will further develop the Norwegian Polar Institute's position as a stakeholder in climate related research, such as ice, sea ice, alpine glaciers and effects of climate change on ecosystems, including ice-associated species.

The exchange of energy and matter between sea, ice and atmosphere is a main focus, as is the thickness and spread of sea ice in Antarctica. The ocean circulation in the Arctic and its link to energy flows and ice spread is also a primary subject for ICE.

The goal is to contribute with knowledge to improve the precision of climate models in the future. Through field studies and process modelling, which will later be used in collaboration with the Norwegian Climate Centre to improve process descriptions in climate models, ICE provides a better understanding of the processes.

Effects on ecosystems are investigated by integrating studies of ecosystems with studies of the physical environment in icy waters. Species that are particularly dependent on sea ice – like the Polar Bear, some seal species and the Ivory Gull – are given special attention. The goal is to develop an understanding of ecosystem processes that can be linked to physical climate models, in order to provide better predictions on possible consequences of climate change in the biological systems.

In Antarctica, ICE is concentrating on ice shelves – how they are affected by climate change (especially ocean temperature and circulation), and how they affect glacial Antarctic ice. A long-term project on the Fimbul Ice Shelf and Jutulstraumen (glacier / ice stream) in Antarctica has been initiated through ICE.

<http://apecs.is/leadership/international-directorate/a-great-norwegian-life/2865-ice>





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J. Sievers



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APECS News & Updates

APECS Social at EGU

Contributed by Aisling Dolan

Around 80+ early career scientists attended the APECS networking event held at this year's European Geoscience Union Symposium in Vienna in April. The event was organised in partnership with the Young Earth Scientists (YES) Network (www.networkyes.org).



The social event was held at Café Einstein in the heart of Vienna and provided a fantastic opportunity for Polar early career scientists and young Earth Scientists from around the world to come together and promote research collaborations. We were really glad to see so many people engaging in networking and taking the time out of a busy conference to attend and make the event such a success. Thanks to all of those who attended – and watch out for future networking opportunities at large international conferences.

The event was sponsored by SCAR (Scientific Committee on Antarctic Research; <http://www.scar.org/>) and AGU (American Geophysical Union; <http://www.agu.org/>) and was organised by Inès Borrione (Alfred Wegener Institute), Aisling Dolan (University of Leeds), and Jo Venus (YES President). If you're interested in making an APECS event like this happen at a conference you're attending in the future, let us know!

<http://apecs.is/apecs-news/2987-apecs-social-at-egu>



Interested in Co-convening a session at the IPY Montreal Conference

Here is a great opportunity for you to gain some leadership experience...

The IPY 2012 From Knowledge to Action Conference is the final event of International Polar Year 2007 - 2008, the largest international program of interdisciplinary polar research ever undertaken. This conference will provide an opportunity to apply and disseminate the knowledge and scientific results from IPY from around the world and focus on next steps. Participants will consider ways to translate those new understandings into policy that will guide activities in and enhance stewardship of the polar regions.



We are very happy to announce that APECS has been asked to nominate early career researchers to help co-chair/convene sessions at the IPY Montreal 2012 Conference. We encourage all young researchers (APECS members and non-members) to fill in their expression of interest - so feel free to pass this along to others you know. Expressions of interest from non-North American young researchers are especially encouraged.

Deadline for submission of Expression of Interest is 17 May 2011. Expressions of Interest received after 17 May will not be considered. (Sorry but we are on a tight deadline here and wanted to give as many people this opportunity as possible)

Visit <http://apecs.is/events/montreal2012> for more information.

We hope this will give a number of you a great opportunity to work with mentors and to get involved with International Polar Research.

<http://apecs.is/features/3030-eoi-session-conveners>



Feature – APECS at AMAP

APECS Workshop at AMAP Summary

Contributed by Heidi Swanson

APECS Early Career Researcher Workshop at the Arctic Monitoring and Assessment Program 2011 Workshop -

'The Arctic as a Messenger for Global Processes'
Copenhagen Denmark, 2-6 May 2011

Thirty-seven early career scientists kicked off the AMAP 2011 Workshop by meeting at Copenhagen's Ice Bar on May 2, 2011. The faces of future Arctic science channeled their field programs while donning parkas, staving off mild hypothermia, and drinking fancy beverages out of ice tumblers!! We met bright and early the next morning to start an action-packed day of meeting and learning at the University of Copenhagen. Our mentors represented hundreds of years of combined experience and wisdom, and together they led us through the history, structure, and current status of the Arctic Monitoring and Assessment Programme. In discipline-specific groups, we then discussed priorities for future Arctic research, existing gaps in data and research capacity, and ideas for filling these gaps. We also practiced delivering our research projects in concise 3-minute talks, and learned how becoming part of AMAP can benefit our career trajectory and success in Arctic research. Integrating research into Arctic policy is a complicated multi-jurisdictional issue, and we heard several great talks on this topic before discussing important challenges that are faced by current early career researchers. The APECS Early Career Researcher Workshop wrapped up with tips on networking and



One workshop participant commented: "I wanted to let you know that Copenhagen was an excellent experience, and really got me believing in science again :) It was extremely inspiring to meet so many people who love the science they are conducting, and how much energy and enthusiasm there was in the young scientists, as well as in the seniors. A great burst of motivation before starting my sampling season :) "

then hands-on networking practice! This was achieved while simultaneously sampling millennially-aged ice from Greenland (in a suitable matrix, of course).

For more information on the workshop, mentors, and participants, visit <http://apecs.is/workshops/amap-2011>.

<http://apecs.is/apecs-news/3007-amap-summary>

Recommendations Presented to AMAP Conference

As a result of the recent APECS Shaping the Future of the Arctic Monitoring and Assessment Programme (AMAP) workshop (<http://apecs.is/workshops/amap-2011>), 6 recommendations were written by the 40 participants reflecting the needs for future arctic research projects and early career researchers.

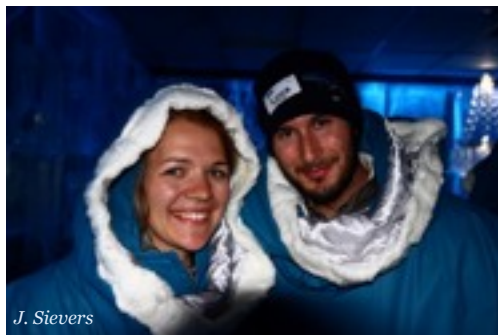


"Arctic communities and ecosystems are currently experiencing rapid changes. As early career researchers and young policy makers, we recognize the urgent need to address environmental, social and economic concerns of Arctic ecosystems and residents. We further recognize that engaging local communities and reaching broader public audiences are as equally important as conducting cutting-edge research. Here we present draft recommendations, some general in scope and some specific to AMAP (<http://amap.no/>), from a one day workshop that brought together both early and established researchers and policy makers to help shape the future of AMAP.

- Develop an interdisciplinary and internationally coordinated monitoring system
- Move beyond identifying problems to creating solutions
- Implement meaningful involvement of early career researchers
- Practice effective, broad-ranging outreach
- Facilitate communications training
- Develop a system for retention for early career researchers."

We were also pleased to present a video (<http://vimeo.com/apecs>) recording of the delivery to the delegates of the AMAP The Arctic as a Messenger of Global Processes Conference (<http://www.amap.no/Conferences/Conf2011/>) held 3-6 May 2011 in Copenhagen, Denmark.

<http://apecs.is/features/3034-recommendations>



Partner News & Updates

Education Website Available, IDPO Climate Expeditions, Ice Drilling Program Office

Contributed by Mariette Wheeler

The Ice Drilling Program Office (IDPO) announces the launch of its new education-focused website, entitled IDPO Climate Expeditions (ICE). The site offers ice core-related lesson plans and resources for middle and high school classrooms; career profiles and links to universities with glaciology research centers for students; and informational articles, reliable resources, and multi-media for the public. ICE offers scientists associated with IDPO opportunities to leverage their education and outreach efforts.

<http://apecs.is/partner-news/2874-new-education-website-available-idpo-climate-expeditions-ice-drilling-program-office>

Nominations now open for the Martha T. Muse Prize, 2011

The "Martha T. Muse Prize for Science and Policy in Antarctica" is a US\$ 100,000 unrestricted award presented to an individual in the fields of Antarctic science or policy that has demonstrated potential for sustained and significant contributions that will enhance the understanding and/or preservation of Antarctica. The Tinker Foundation's goal is to establish a prestigious award that recognizes excellence in Antarctic research by honoring someone in the early to mid-stages of their career. The Prize is inspired by Martha T. Muse's passion for Antarctica and is intended to be a legacy of the International Polar Year 2007-2008.



<http://apecs.is/partner-news/2932-nominations-now-open-for-the-martha-t-muse-prize-2011>

Scientific Writing Opportunities for Graduate Students



ARKive (www.arkive.org) is giving university students of relevant subjects the opportunity to research and write ARKive species profiles themselves as part of the 'ARKive & Universities Scheme'. The writing of ARKive species profiles gives students the opportunity to put their scientific writing skills into practice, further develop the research and writing skills they have gained throughout their studies, and see their work published on ARKive's award-winning website.

<http://apecs.is/partner-news/2933-scientific-writing-opportunities-for-graduate-students>

SCAR March Newsletter Now Available

The Scientific Committee on Antarctic Research (SCAR) announces that Issue 26, March 2011, of the SCAR Newsletter is now available.

This issue of the newsletter includes:

- SCAR focus on Astronomy and Astrophysics from Antarctica (AAA);
- SCAR OSC 2012;
- News from SCAR;
- Antarctic Science;
- Antarctic Fellowships;
- Forthcoming Events; and
- Other announcements and articles on Antarctic science news.

To view the newsletter, please go to <http://www.scar.org/news/newsletters/issues2011/>.

Arctic Science and Education organizations strengthen cooperation: IASC, IASSA, and UArctic sign Letter of Agreement

Three of the Arctic region's key actors in the field of science, research, and higher education agreed today on a framework of mutual cooperation. The agreement was signed at the Arctic and Antarctic Research Institute (AARI), St Petersburg, Russia by the International Arctic Social Sciences Association (IASSA), the International Arctic Science Committee (IASC) and the University of the Arctic (UArctic). The agreement will broaden already existing collaboration to promote international and multi-disciplinary cooperation in Arctic research, education and outreach. The outcome of this cooperation will especially build on the legacies of the International Polar Year (2007-2008).



<http://apecs.is/partner-news/2953-arctic-science-and-education-organizations-strengthen-cooperation-iasc-iassa-and-u-arctic-sign-letter-of-agreement>



Partner News & Updates

Meeting of Young Researchers V 2012

MYRES (http://lsb-server.umwelt.tu-cottbus.de/MYRES_2010/index.html) is a community building effort dedicated to young scientists in Earth Sciences. This effort is centered on a biannual meeting. The next MYRES workshop is scheduled for 2012.



As the result of the Splitter Meeting at the EGU 2011 General Assembly in Vienna, Austria one topic for the MYRES workshop 2012 was suggested. Additional suggestions are still welcome until the end of May 2011. Please send your ideas with a short description of the topics and potential funding resources to FZLB at tu-cottbus.de.

The final decision on the 5th MYRES workshop will be made again by an online voting starting in June 2011.

<http://apecs.is/partner-news/2962-meeting-of-young-researchers-v-2012>

IASC Progress Spring Edition 2011

Contributed by *Silvia Lourenço*



The IASC spring newsletter is available. This Progress edition covers:

State of the Arctic Coast 2010 - Scientific Review and Outlook

New cooperation initiatives to promote Arctic health research, education and outreach

The Arctic Science Summit Week 2011, and much, much more.

Download the newsletter at <http://iasc.arcticportal.org/files/Publications/IASC%20Progress%20Spring%20Edition%202011.pdf>.



J. Provencher

Crash Course In Science E&O

Guest post by *Phoebe Cohen, Education and Outreach Lead & Postdoctoral Fellow, MIT NASA Astrobiology Team.*

I confess that when I started my current position, I had no idea what I was doing. Well, not much. I had some experience doing outreach, took two relevant courses in graduate school, and worked at the wonderful Museum of the Earth (<http://www.museumoftheearth.org/>) for two years after college. But still, I felt very much fish-out-of-water, despite all my enthusiasm. What were the most useful projects for me to be engaged in? Who was my audience and what was the best way to reach them? How could I tell if anything I was doing was actually working?

Read the rest of the post on the AGU Science Communication blog (<http://blogs.agu.org/sciencecommunication/2011/04/14/crash-course-science-outreach/>).

Colloquium Summary Report - Issues of Historical Practice in the Polar Regions

Short report or summary of the discussions at the Colloquium on 'Issues of Historical Practice in the Polar Regions' held at Scott Polar Research Institute, University of Cambridge, on March 29th. The report is now available online at the Circumpolar History and Public Policy Research Group website at <http://www.spri.cam.ac.uk/research/chipp/colloquium/review.html>.

Call for funded IPA Action Group applications

The IPA is pleased to introduce a call for funded Action Groups. Action Groups are a new element in the IPA Structure and are meant to fund targeted groups working towards the production of well-defined products. Unlike the former Working Groups, Action Groups will be funded on a competitive basis at up to 2500 € per year (maximum of 5000 € over the life of an Action Group).



Up to 10 000 € per year of the IPA total budget will be devoted to Action Groups. These groups will have limited terms and will need to focus on clearly defined research outputs, such as maps, science plans, or databases, that can be supported through the organization of workshops, management support, technical support, etc.

<http://apecs.is/partner-news/3021-call-for-funded-ipa-action-group-applications>



Meetings & Workshops

APECS Panel at the International Symposium on Interactions of Ice Sheets and Glaciers with the Ocean

5 - 10 June 2011

More details to come in the new year, but definitely look forward to an APECS presence at the 2011 International Glaciology Society Symposium (<http://www.igsoc.org/symposia/2011/California/>).



Call for Abstracts: ICASS VII 2011, Akureyri, Iceland

22 - 26 June 2011

ICASS VII: Circumpolar Perspectives in Global Dialogue: Social Sciences Beyond the IPY

The Seventh International Congress of Arctic Social Sciences (ICASS VII), to take place in Akureyri, Iceland, June 22-26, 2011, hereby calls for individual paper and poster proposals.

A special paper and poster abstract submittal form together with a more complete list of sessions and themes can be found at the website of IASSA <http://iassa.org/icass-vii>

Submission Deadline: December 20, 2010

<http://apecs.is/apecs-news/2246-call-for-abstracts-icass-vii-2011-akureyri-iceland>



If you know of a conference coming up and would like to organize an APECS meeting, we are happy to help you, just let us know (apecsinfo@gmail.com). Organizing a meeting is a great way to gain experience and meet senior researchers who can help in the next steps of your career. For more events, including upcoming summer field schools with open applications, visit <http://apecs.is/events>.

APECS Workshop at IUGG 2011

27 June 2011

APECS is organizing a Career Development Workshop in association with the General Assembly of the International Union of Geodesy and Geophysics (IUGG; <http://www.iugg2011.com/>) at Melbourne University, Melbourne, Australia on 27 June 2011.

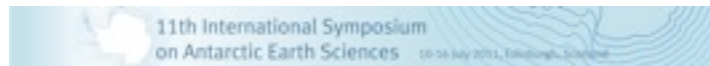


The purpose of the workshop is to bring together early career polar researchers, those interested in starting a polar research project, and senior mentors with the experience to help them. The workshop will consist of plenary lectures, hands-on breakout sessions, and panel discussions.

<http://apecs.is/workshops/iugg-2011>

APECS at the 11th International Symposium on Antarctic Earth Sciences (ISAES XI)

10 - 16 July 2011



The International Symposium on Antarctic Earth Sciences (ISAES) promises to be one of the major events in the polar science calendar of 2011, and APECS and the UK Polar Network will be there in force!

As well as reduced conference registration fees, funding support is also available for Early Career Researchers thanks to ISAES and supported by the Scientific Committee on Antarctic Research (SCAR) to part-cover travel and accommodation expenses. This will be allocated using the Funding Support Application Form on the ISAES website, so make sure you download and fill this in and email it to S.F.Henley@sms.ed.ac.uk when you submit your abstract.

To be eligible for this funding support, you must be a PhD student or a post-doc or academic staff still within three years of PhD completion. Full instructions are given on the ISAES 2011 website (<http://www.isaes2011.org.uk/earlycareer.html>).



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Meetings & Workshops

UKPN Remote Sensing for Polar Scientists Summer School

20-22 July 2011



The UKPN, in partnership with the National Center for Earth Observation, the Earth Observation technology cluster, and ESA, are proud to present a 3 day summer school aimed at early doctoral students working in Polar or cryospheric remote sensing.

Modern remote sensing techniques have improved our understanding of the cryosphere, allowing for observation of large areas (e.g. the Arctic Ocean, Greenland, or the Antarctic Ice Sheet) and facilitating studies of glaciers in remote and/or rugged zones (e.g. Patagonia & the Himalaya). A staggering variety of Earth observation methods have been used to study the cryosphere, and research frontiers continue to press forward.

We aim to introduce a variety of new techniques to those at the beginning of their academic career. Sessions will include a mixture of lectures and practicals. Practical sessions will either be self led, with the day's speakers on hand to provide guidance, or led by demonstration. Planned sessions include: Satellite Remote Sensing of the Poles, including the Cryosat mission; Lidar Remote Sensing, Integrated modeling and Earth Observation & open source Remote Sensing & GIS tools.

<http://apecs.is/events/details/409-ukpn-remote-sensing-for-polar-scientists-summer-school>



J. Sievers

Tenth International Conference on Permafrost: First Circular and Expression of interest

25-29 June 2012



The International Permafrost Association and the Tyumen Oil and Gas University are excited to present the first circular on the Tenth International Conference on Permafrost, to be held in June 2012 for the first time in Russia since 1973. The International Conference on Permafrost, held every four years, is the premier venue for all research related to permafrost.

You will find the first Circular for the conference online at: http://ipa.arcticportal.org/images/stories/ticop_first_circular.pdf. The circular outlines the themes proposed for the sessions, the abstract policy, the registration, and the excursions planned around the conference.

<http://apecs.is/apecs-news/1866-ticop-expression-of-interest>

Second Circular - IPY 2012 "From Knowledge to Action" Conference

22 - 27 April 2012

Hold the dates for the third International Polar Year (IPY) 2012 "From Knowledge to Action" Conference to be held in Montreal, Canada! This will be a major event that will bring together polar scientists from all disciplines as well as interested parties from a variety of backgrounds and sectors. Further information is provided in the second circular and will be updated regularly.

For more information please visit the conference website at www.ipy2012montreal.ca.

APECS together with the ArcticNet Student Association (ASA) will be planning a career development workshop "From Knowledge to Careers" in Montreal before the start of the IPY Conference. So keep checking the workshop website for regular updates at: <http://www.apecs.is/workshops/ipy-montreal-2012>

<http://apecs.is/apecs-news/3019-second-circular-for-the-ipy-2012-qfrom-knowledge-to-actionq-conference>





Career Development Webinars

The Association of Polar Early Career Scientists (APECS) is currently working with mentors and partners to develop a webinar series for our members in order to assist them with their career development goals. This online lecture series is a joint effort between APECS, US NSF ARCSS Thermokarst Project (<http://thermokarst.psu.edu/>), and the University of Canterbury (<http://www.canterbury.ac.nz/>).

The schedule of upcoming webinars and access to recordings of previous webinars are available on the APECS website (<http://apecs.is/webinars>).

Some recent webinars, and links to recordings, are listed below.

Non-academic or alternative careers in polar research

Faustine Bernadac, Polar Field Services

Kristina Creek, ARCUS

Dorte Dissing, ABR Environmental Research and Services

Kriss Rokkan Iversen, SALT, Norway

Angela Matz, U.S. Fish & Wildlife Service

After spending so much time at university, some of us may not be able to comprehend life outside of it. This panel of speakers will discuss career opportunities in polar science outside the university setting.

<http://apecs.is/webinars/videos/2752-20110222-alternative-careers>

How to initiate your successful research or academic career

Mike Gooseff, Hartz Family Career Development Assistant Professor, Dept of Civil & Environmental Engineering, Pennsylvania State University

When initiating your research or academic career, a first step is to recognize your goals and to determine how and where to apply to reach those goals. This webinar will cover an overview of aspects need for a successful research or academic career including research, targeting grant writing, research teams, research projects and papers, mentoring and teaching.

<http://www.apecs.is/webinars/videos/2887-20110315-gooseff>

Designing your research questions

Breck Bowden, Patrick Professor of Watershed Science and Planning and Director of the Vermont Water Resources and Lake Studies Center, University of Vermont

Good research begins with well-designed research questions. This webinar will focus on the elements of good research questions in the context of a well-written proposal. This is the first part of a two part series looking at designing research questions and methods

<http://apecs.is/webinars/videos/2758-20110301-bowden>

Scientific Education Outreach

Elena Sparrow, Education Outreach Director, International Arctic Research Center, and Research Professor, School of Natural Resources and Agricultural Sciences, University of Alaska Fairbanks

Education and public outreach has become an increasingly necessary component of a scientific career whether in academia or in industry. This webinar will give an overview and examples of different types of education outreach that you can incorporate in your work as well as in research proposals for funding.

<http://www.apecs.is/webinars/videos/2888-20110322-sparrow>

Meltdown?: Climate Change and Geopolitics in the Arctic

Ross A. Virginia, Myers Family Professor of Environmental Science, Dartmouth College

<http://www.apecs.is/webinars/videos/2889-20110329-virginia>

Giving a clear and memorable presentation

David Carlson, Education & Outreach Director, UNAVCO, Boulder, CO

A presentation can represent one of your most important and effective means of communication to many audiences. This webinar covers a variety of issues and techniques for effective use of the presentation format.

<http://www.apecs.is/webinars/videos/2890-20110405-carlson>



Virtual Poster Session

This effort focuses on bringing the concept of the poster presentation beyond the four walls of the conference hall and creates an online database of polar research poster publications. This project allows members with similar goals and interests to exchange information on Arctic, Antarctic and Cryospheric research, policy, and education activities.

Please visit <http://www.apecs.is/virtual-poster-session> to view these new posters and all contributions.

Airborne DOAS measurements of aerosol extinction and NO₂ profiles in Arctic: two cases studies and their transport interpretation

Contributed by: Alexis Merlaud

Pollution transported to the Arctic during the POLARCAT-France spring and summer campaigns: source regions and aerosol properties

Contributed by: Boris Quennehen

Spatial and temporal analysis of the snow line in the eastern part of Turkey based on MODIS-Terra data for 2000-2010 period

Contributed by: Kenan Bolat

Engaging the K-12 community in Adélie Penguins and climate change research using the internet to provide a virtual field trip to Cape Royds, Antarctica

Contributed by: Jean Pennycook

Monitoring of thin ice in the Laptev Sea Polynya

Contributed by: Susanne Adams

Aircraft-based studies of katabatic winds and boundary layer structures over the NOW polynya near Greenland during summer

Contributed by: T. Ernsdorf

Evaluating the Contribution of Image Fusion into the Snow Mapping in Mountainous Terrain Using Euclidean Distance

Contributed by: Serdar Surer

Microbial Diversity of the Active Layer Soil from the Canadian High Arctic

Contributed by: Hye Min Kim

The influence of ice and unfrozen water content on the thermal conductivity of the frozen volcanic ashes (Kamchatka)

Contributed by: Elena Kuznetsova

Investigation of the dynamics of the NorthWater polynya for 1996-2010 using satellite data

Contributed by: Andreas Preußner

Source Identification and Airborne Chemical Characterization of Aerosol Pollution from long-range Transport over Greenland

Contributed by: J. Schmale

Oil hydrocarbons in geochemical barrier zones of the White Sea

Contributed by: Alice Bannikova



The Virtual Poster Session is sponsored by:

<http://www.norden.org/en>



Jobs & Positions

Please visit the APECS website (<http://apecs.is/jobs>) for many more position announcements and career development opportunities. For details on each position, follow the hyperlink to the position on the website.

Institutional Postdoctoral Research Associate

Oregon State University, Corvallis, Oregon, U.S.A.
Posted by: Jenny Fisher

Postdoctoral Fellow in Arctic Hydrology

Dept. of Geography, Queen's University, Kingston, Ontario, Canada
Posted by: Oliver Marsh

PhD position in Glaciology

UNIS, Longyearbyen, Svalbard, Norway
Posted by: Oliver Marsh

Climate Postdoc Positions

Lawrence Berkeley National Laboratory, Berkeley, California, U.S.A.
Posted by: Jenny Fisher

Professor of Geography

University College Cork, Cork, Ireland
Posted by: Jenny Fisher

Postdoc Paleoclimate Modelling

Université Catholique de Louvain, Belgium
Posted by: Tosca Ballerini

PhD student

Swiss Federal Institute of Technology of Zurich, Zurich, Switzerland
Posted by: Sílvia Lourenço

Sea Ice Scientist 2 (3) years

Norwegian Polar Institute, Tromsø, Norway
Posted by: Penelope Wagner

PhD student

Applied Environmental Science (ITM), Stockholm University, Stockholm, Sweden
Posted by: Jaana Bäck

PhD student

Finnish Meteorological Institute, Helsinki, Finland
Posted by: Jaana Bäck

PhD student

Dept. of Ecology and Genetics/Limnology, University of Uppsala, Uppsala, Sweden
Posted by: Jaana Bäck

Research Assistant

Environmental Defense Fund, San Francisco, California, U.S.A.
Posted by: Jenny Fisher

Faculty position in Earth and Atmospheric Sciences

Cornell University, Ithaca, New York, United States
Posted by: Jenny Fisher

Physical Oceanographer

British Antarctic Survey, Cambridge, U.K.
Posted by: Jenny Fisher

Post Doctoral Research Assistant in Earth Sciences

National Oceanography Centre, Liverpool, U.K.
Posted by: Jenny Fisher

Lectureship in Physical Oceanography

University of Southampton, Southampton, U.K.
Posted by: Jenny Fisher

Visiting Research Assistant Professor of Marine Science

University of North Carolina Wilmington, Wilmington, North Carolina, U.S.A.
Posted by: Jenny Fisher

Postdoctoral Research Opportunities

Georgia Institute of Technology, Athens, Georgia, U.S.A.
Posted by: Jenny Fisher



J. Provencher



J. Sievers



Jobs (cont.)

Two Faculty Positions in Geology

University of Waterloo, Waterloo, Ontario, Canada
Posted by: Jenny Fisher

Research position in N-isotope biogeochemistry

University of Basel, Basel, Switzerland
Posted by: Jenny Fisher

Postdoctoral position in climate induced glacier mass changes

Geophysical Institute, University of Alaska Fairbanks, Fairbanks, Alaska, U.S.A.
Posted by: Jenny Fisher

Logistics Manager for Juneau Icefield Research Program 2011

Foundation for Glacier and Environmental Research, Juneau, Alaska, U.S.A.
Posted by: Allen Pope

Postdoctoral Research Associate Earth Sciences

College of Oceanic & Atmospheric Sciences, Oregon State University, Corvallis, Oregon, U.S.A.
Posted by: Tosca Ballerini

Research Engineer in biogeochemistry

Stockholm University, Stockholm, Sweden
Posted by: Jenny Fisher

Postdoctoral Research Fellow in Terrestrial Carbon Cycling

University of California Los Angeles, Los Angeles, California, U.S.A.
Posted by: Jenny Fisher

Research Scientist in Glaciology

GEUS, Geological Society of Denmark and Greenland, Copenhagen, Denmark
Posted by: Oliver Marsh

Middle Atmosphere Vertical Coupling Dynamicist

British Antarctic Survey, Cambridge, U.K.
Posted by: Oliver Marsh

Wind Tunnel Position

WSL Institute for Snow and Avalanche Research SLF, Davos, Switzerland
Posted by: Jenny Fisher

Media and Communications Officer

European Geosciences Union, Munich, Germany
Posted by: Allen Pope

Vacation Student - Computer Modelling

British Antarctic Survey, Cambridge, U.K.
Posted by: Allen Pope

Post-doctoral Position in Glaciology

Centro de Estudios Avanzados en Zonas Áridas, La Serena, Chile
Posted by: Jenny Fisher

PhD Research Project in Observing Ocean Processes in the Antarctic using Seagliders

University of East Anglia, East Anglia, U.K.
Posted by: Punyasloke Bhadury

Postdoctoral Research Position - Ice Sheets

Princeton University, Princeton, New Jersey, U.S.A.
Posted by: Matt Strzelecki

Researcher in geochemistry/paleoceanography

Dept. of Earth Science, Bergen University, Bergen, Norway
Posted by: Matt Strzelecki

Postdoctoral Scientist - Arctic Landscape

Ecosystems Center, Woods Hole, Massachusetts, U.S.A.
Posted by: Jenny Fisher



New Members

This month we had 70 new members from 21 countries. Welcome to APECS and we look forward to working with you to shape the future of polar research.

Belinda Bates – Masters Student
– Meteorology & Atmospheric Sciences United Kingdom

Terrence Bell – Doctoral Student
– Ecology Canada

Silvana Benitez – Postdoctoral
Researcher
– Human & Public Health Uruguay

Jenny Bytingsvik – Doctoral Student
– Toxicology Norway

Diego Campana Loureiro – Doctoral
Student
– Agriculture & Soil Sciences Brazil

Hana Christenson – Doctoral Student
– Geosciences New Zealand

Douglas Cost – Doctoral Student United States

Eva Cougnon – Masters Student
– Oceanography France

Kimberley Davies – Doctoral Student
– Environmental Science United Kingdom

Ana Maria De Salvo Schmidt – Faculty
– Social Sciences Uruguay

Mariela Di Cristófaró – Research
Scientist
– Human & Public Health Uruguay

Noortje Dijkstra – Doctoral Student
– Geology Norway

Agata Dragan – Doctoral Student
– Oceanography Poland

Helen Drost – Doctoral Student
– Zoology Canada

Steven Duerksen – Masters Student
– Ecology Canada

Parnuna Egede
– Oceanography Greenland

Sira Engelbertz – Doctoral Student
– Social Sciences New Zealand

Jean Espinoza – Doctoral Student
– Cryology & Glaciology Brazil

Anne-Katrine Faber – Masters Student
– Meteorology & Atmospheric Sciences Denmark

Ian Fenty – Postdoctoral Researcher United States

Anne Marie Findsen – Masters Student
– Geosciences Denmark

Dave Fox – Masters Student
– Geosciences Canada

Kristin Møller Gabrielsen – Doctoral
Student
– Toxicology Norway

Suman Gautam – Masters Student
– Geology United States

Xun Gong – Doctoral Student
– Oceanography Germany

Anna Granfors – Doctoral Student Sweden

David Gwyther – Undergraduate Australia

Brage Bremset Hansen – Research
Scientist
– Ecology Norway

Austin Hanslip – Undergraduate
– Environmental Science United States

Hóddi Helga Germany

Seth Holtshouser – Undergraduate
– Political Sciences United Kingdom

Patrick Ingemann Broberg –
Undergraduate
– Political Sciences Denmark



New Members

Mohamad Irwanto – Undergraduate – Engineering	Turkey	Clara Mackenzie – Marine & Freshwater Biology	United Kingdom
Sarah Jacob – Masters Student – Biodiversity	Australia	Rebecca Minzoni – Doctoral Student – Geosciences	United States
Patricia Janes – Environmental Science	United States	Lars O. Mortensen – Doctoral Student – Environmental Science	Denmark
Louise Kiel Jensen – Doctoral Student – Marine & Freshwater Biology	Norway	Reginald Muskett – Postdoctoral Researcher – Remote Sensing	United States
Ji Young Jung – Postdoctoral Researcher – Agriculture & Soil Sciences	South Korea	Jason Robert Newman	United States
Laura Hauch Kaufmann – Masters Student – Geosciences	Denmark	Guillaume Pépy – Doctoral Student – Meteorology & Atmospheric Sciences	France
Jan Kavan – Doctoral Student – Hydrology	Czech Republic	Alek Petty – Doctoral Student – Cryology & Glaciology	United Kingdom
Alia Khan – Masters Student – Environmental Science	United States	Johan Ploug – Doctoral Student – Geology	Denmark
Hye Min Kim – Doctoral Student – Ecology	South Korea	Rakesh Rao	India
Vasily Kirillin – Masters Student – Social Sciences	Russia	Christina Riesselman – Postdoctoral Researcher – Geology	United States
Anne Sofie Lansoe – Masters Student – Meteorology & Atmospheric Sciences	Denmark	Emilie Ruffin – Doctoral Student	Canada
Hyung-Min Lee – Doctoral Student – Environmental Science	United States	Arnaldo Russo – Doctoral Student – Oceanography	Brazil
Amber Leeson – Doctoral Student – Cryology & Glaciology	United Kingdom	Chanone Ryane – Doctoral Student – Geology	Canada
José João Lelis Leal Souza – Doctoral Student – Geosciences	Brazil	Moritz Sebastian Schmid – Masters Student – Modelling	United States
Seth Lyman – Research Scientist – Environmental Science	United States	Britney Schmidt – Postdoctoral Researcher – Geosciences	United States
Alejandra Márquez – Undergraduate – Agriculture & Soil Sciences	Uruguay	Richard Smith – Masters Student – Environmental Science	United Kingdom



J. Sievers



J. Provencher



J. Sievers

New Members

Eric Sofen – Doctoral Student
– Meteorology & Atmospheric Sciences

United States

Gabrielle Jarvik Stockmann – Doctoral Student
– Geology

Iceland

Serdar Surer – Doctoral Student
– Remote Sensing

Turkey

Eveline van der Linden – Doctoral Student
– Meteorology & Atmospheric Sciences

Netherlands

Maria Zatko – Doctoral Student
– Meteorology & Atmospheric Sciences

United States

Ida Beathe Øverjordet – Doctoral Student
– Toxicology

Norway

This APECS newsletter is created by Benjamin Beall and the APECS Executive Committee. Please contact Ben (bbeall@bgsu.edu) or any of the Executive Committee members with comments or questions about the newsletter. We are always looking for contributions, so if you have a story on polar research to share, please send us an email.

This issue features images from the APECS Early Career Researcher Workshop at the Arctic Monitoring and Assessment Program 2011 Workshop courtesy of J. Sievers and J. Provencher.



APECS Leadership

APECS is lead by a wonderful group of early career researchers from around the globe. The Executive Committee are responsible for many of the activities as well as overall direction of the organization. The Executive Committee are all members of the Council and highlighted in bold below. The Council is responsible for the strategic direction of APECS and Council members serve a vital role in facilitating communication between the Executive Committee, the Director, and the membership. For more information on the APECS leadership, and perhaps how to join, please visit <http://www.apecs.is/leadership>.

Tosca Ballerini
Punyasloke Bhadury
Claudia Maturana Bobadilla
Erli Costa
Eleanor Darlington
Bryany Denning
José Araos Espinoza
Francisco Fernandoy
Gerlis Fugmann
Jenny Fisher
Emily Jateff
Silje-Kristin Jensen
Kim Jochum
Dubrava Kirievskaya
Sílvia Lourenço
Inga May

Oliver Marsh
Alexey Pavlov
Allen Pope
Angelika Renner
Jennifer Rhemann
Julian Schmale
Nikolas Selheim
Suhas Shetye
Matt Strzelecki
Alexandra Taylor
Rosa Rut Thorisdottir
Begoña Vendrell-Simón
Anna Wagner
Penelope Wagner
Mariette Wheeler
Yulia Zaika