

October 2010 Newsletter

Hello APECS Members,

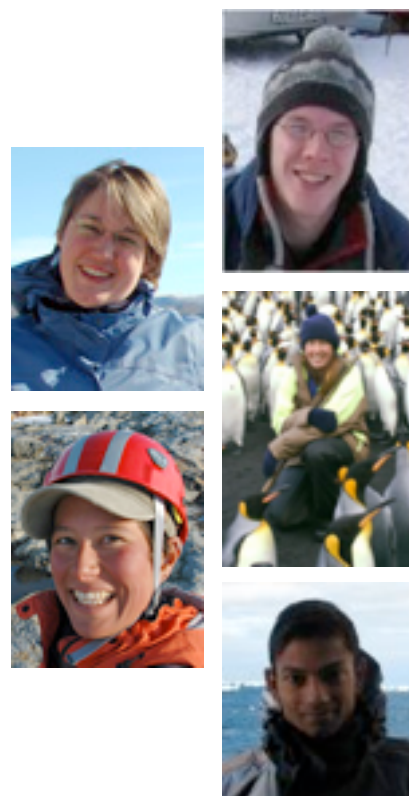
This is a big year for APECS. As you may know, the IPY International Programme Office officially closed the day before the 2010-2011 APECS [Executive Committee](#) and [Council](#) began their terms. It is now officially up to us – young polar researchers – to continue on the legacy of the IPY in all we do. We've got a terrific group of volunteers to lead APECS and continue the momentum that we as an organization have built over the past few years.

In that vein, I'm excited to introduce the 2010-2011 ExCom to you: Angelika Renner (Norway / UK / Germany), Gerlis Fugman (Germany), Mariette Wheeler (South Africa), Suhas Shetye (India), and myself (UK / USA). All of our bios (and those of the new Council) are available on www.apecs.is/leadership. In an organization which prides itself on collaboration and cooperation, it is great to be able to have ExCom members from such a diverse range of backgrounds. I'm also happy to say that (despite being in a male-dominated field) this is the first time that the APECS president is a guy!

I would be remiss if I didn't take this opportunity to recognize and thank the past Council for all their work and achievements - the past year has been a big one, with new working groups, many big workshops, and the Oslo conference and they did a great job. Equally, there are many ExOfficio members of the Council who continue to provide their expertise to APECS - many thanks, we would be often lost without you!

I'm looking forward to another great year with APECS, continuing to do what APECS does best – Shaping the Future of Polar Research! As always, there are tons of ways for every APECS member to get involved, so make sure to keep visiting www.apecs.is or [email us](#) anytime.

Yours in all things Polar,
Allen Pope- APECS President 2010-2011



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Meetings, Workshops

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- *Young Scientist Forum: Arctic Tipping Points: Research as a Driver for Northern Development*
- *Science Week 2011*
- *Tenth International Conference on Permafrost*

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New Members

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APECS News & Updates

Meet the APECS 2010-2011 Leadership Team

Contributed by Allen Pope

The Council is a group of very active and involved APECS members who volunteer their time to organize APECS activities, keep the website vital and stocked with new information, post jobs and news items, and also guide APECS in organization-wide decision matters. Some Council members have particular responsibilities representing national committees or working group projects and all are involved in APECS-wide activities. As you can see below, the Council is quite an international and interdisciplinary bunch!

Silje-Kristin Jensen (Council Chair)- Norway, Arctic Biology
 Jennifer Rhemann (Council Co-Chair) - US/Iceland, Polar Law
 Tosca Ballerini - Italy/US, Antarctic Biology
 Punyasloke Bhadury – India, Microbial Ecology
 Erli Costa – Brazil, Ecology
 Bryany Denning – Canada, Polar Health
 Francisco Fernandoy - Chile/Germany, Ice & Climate
 Jenny Fisher – US, Atmospheric Sciences
 Emily Jateff – Australia, Archaeology
 Kim Jochum - Germany/US, Terrestrial Biology
 Dubrava Kirievskaia – Russia, Ecology
 Sílvia Lourenço – Portugal, Marine Biology
 Alexey Pavlov - Russia/Norway, Ocean-Atmosphere Interactions
 Julia Schmale – Germany, Atmospheric Sciences
 Matt Strezelecki - Poland/UK, Coastal Ecosystems
 Rosa Rut Thorisdottir - Iceland/Belgium, Anthropology
 Bego Vendrell – Spain, Marine Biology
 Anna Wagner - Sweden/US, Permafrost
 Penny Wagner – US, Geophysics
 Yulia Zaika – Russia, Snow Science

And of course, all Executive Committee members are also active members of the Council.

We would also like to recognize our past leaders as they continue to serve our organization as Ex-Officio members of the Council:

Ben Beall, Hugues Lantuit, Dirk Notz, Daniela Liggett, Kate Sinclair, Alex Taylor, Liz Thomas, Carolyn Wegner and Jose Xavier

If you would like to step up your involvement in APECS and take on a leadership role, you can find out more about the Council at <http://www.apecs.is/leadership/council>

Message from Past President Fugmann

Dear APECS Members,

What an exciting past year we had with APECS! When trying to think back about all the things that happened over the last twelve months it amazes me how far this organization has come and how well we were able to establish ourselves in the international polar science community. The IPY Oslo Science Conference in June was a highlight to all of us! So many of you contributed to this success and I'm happy that as the President for the past year, I was able to contribute my share to shaping the future of polar research! I wanted to take this opportunity to thank all of you for your support, ideas, energy and involvement over the past year. APECS would not be possible without you!



A few days ago, we transitioned to a new Executive Committee and Council and I'm very excited to hand over my role to a new and very enthusiastic (male!!) President. I'm convinced that Allen will do an amazing job and will help APECS to move even farther in this critical time after the end of the IPY. I wish him all the luck and patience he needs to do this job and I'm very excited to support him along with the other Executive Committee members over the 2010 – 2011 term.

Gerlis Fugmann
 2009-2010 APECS President

Help Improve the APECS Website!



APECS is currently looking for a volunteer who is familiar with the content management system Joomla to help us out with our website! As you know, the APECS website is the main platform for our organization and we are constantly trying to improve it. Many of our members help us by posting articles, events and jobs, but we need someone with Joomla experience to help us maintain

the website and increase its functionality.

<http://apecs.is/apecs-news/1996-website-help>



APECS News (cont.)

Interhemispheric Conjugacy Effects in Solar-Terrestrial and Aeronomy Research (ICESTAR) Report from SCAR OSC 2010

Contributed by Lucilla Alfonsi

ICESTAR is co-led by Allan Weatherwax (USA) and Kirsti Kauristie (Finland) and it is a Scientific Research Project supported by SCAR to:

- Quantifying and understanding the similarities and differences between the Northern and Southern polar upper atmospheres;
- Quantifying the effects on the polar ionosphere and atmosphere of the magnetospheric electromagnetic fields and plasma populations;
- Quantifying the atmospheric consequences of the global electric circuit and further understanding the electric circuit in the middle atmosphere;
- Creating a data portal to integrate all of the polar data sets and modeling results.



ICESTAR works organizing meetings every 2 years and endorsing meetings of scientific teams dealing with specific scientific themes included in the project. ICESTAR has been very active within the IPY and IHY initiatives also in the frame of outreach and educational efforts. The project tries to put in contact different communities to favorite the interchange of expertise and data in the atmospheric research. Young researchers have been often asked to present their recent results on behalf of the ICESTAR community.

<http://apecs.is/apecs-news/2019-icestar-2010>

Information Needed on Research Field Sites and Locations

As part of our ongoing efforts to increase the amount of useful information on our website, as well as to help you learn more about polar research as you begin your careers, we are gathering information on the various locations where polar research is conducted. This includes established field camps, ships used in research efforts, major research laboratories and communities where you work with people to learn more about life and traditions in the North.

We are looking for a few things to help with this effort:

- Photos of the location and facilities.
- Short descriptions of locations.

<http://apecs.is/apecs-news/1315-information-needed-on-research-field-sites-and-locations>

Join the APECS Social Sciences Group

Contributed by Rosa Rut Thorisdottir

This mailing list is for APECS members with interests in polar social sciences in its broadest meaning, including anthropology, human geography, human and public health, international relations, law, political sciences or in any other field concerning human life in the polar areas. The purpose of this list is to communicate and share discipline specific information and facilitate communications within smaller group with similar interests. This may include announcements of relevant meetings and organization of APECS events, discussions of actualities within the field or career development.



For more information on Social Sciences activities within APECS, please contact Rosa Rut Thorisdottir (rosa.thoris@gmail.com). To join the mailing list, send an email asking to join the social sciences mailing list info@apecs.is.

<http://apecs.is/apecs-news/2074-social-sciences-group>

APECS BRAZIL with the Scouts Event JOTA

Contributed by José Xavier and Miriam Almeida



APECS Brazil is online (see <http://apecs-brasil.blogspot.com/>) and it will be part of the biggest activity of the year of scouts, the 53rd Jamboree On The Air (JOTA), that will take place on 16 and 17 October 2010. During this event scouts from all over the world will be in contact by radio.

During this event, members of APECS BRAZIL (including Miriam Almeida) will inform the participants about the importance of climate change and the role of polar regions in contributing with science to solve this problem. Please see more information at http://scout.org/en/information_events/events/jota





APECS News (cont.)

Join the APECS Glaciology Group

Contributed by Pablo Wainstein



Our glaciology group will discuss, inform and share anything related to the study of ice and glaciology. If you are interested in participating, please contact info@apecs.is in order to be added to the list. For more information on the group or to suggest some ideas, please contact Pablo Wainstein (pawainst@ucalgary.ca). Mails to the group should be addressed to

glaciology@apecs.is

Thanks for your time, and please feel free to pass this invitation on to colleagues who may be interested!

<http://apecs.is/apecs-news/2006-apecs-glaciology>

Summary from Evolution and Biodiversity in the Antarctic (EBA) business meeting at SCAR

Contributed by Lee Stanish and Louise Newman

EBA is one of the five Science Research Programs of SCAR. It began in 2005 and is due to end in 2013. Many of its research goals have been accomplished, and its current goals are 1) to organize conferences/workshops for each of the five work packages; 2) to propose an EBA session at the 2012 SCAR meeting; 3) and to work on proposals for future SCAR biological programs.

For more details and information on the program, publications, and meetings:

<http://apecs.is/apecs-news/2002-eba-2010-argentina>

The Future of SCAR Biology

Contributed by Louise Newman

Report on the SCAR biology planning meeting, Castiglione, Italy, 27-28 May 2010

Since 2005, the SCAR program "Evolution and Biodiversity in Antarctica" has facilitated, supported and driven international biological science in Antarctica. This successful program is, however, due to conclude in 2013, leaving SCAR without a focused biology program.



On the 27 – 28 May 2010 leaders in Antarctic life sciences, and SCAR and APECS representatives, gathered at the small Italian coastal town of Castiglione (co-funded by SCAR and the Italian National Antarctic Research Program (PNRA)) to brainstorm on the future direction of Antarctic biological science and determine the best programmatic structure required to achieve the desired direction and goals. The ultimate goal of the workshop was to produce draft proposals that are to be presented to the SCAR Life Sciences Standing Scientific Group in Buenos Aires, and then to the SCAR Delegates' Meeting for approval.

<http://apecs.is/apecs-news/2020-scar-biology-2010>

Join the Sea Ice Research Group

Contributed by Penelope Wagner

APECS has created a listerv that anyone can join that will provide a forum for discussion of sea ice news and developments in field results or questions, publication and future research. This list caters to those experienced in polar research, just getting into the field or thinking of trying it out. Oceanographers, marine biologists, geophysicists, and anyone else interested are welcome!

If you would like to join this group, please contact info@apecs.is with the name of the group in the subject line. To send something to the group, email seaice@apecs.is.

<http://apecs.is/apecs-news/2038-join-the-sea-ice-research-group>

APECS joined the Forum on EU Arctic Policy

Contributed by Mieke Sterken and Anton Van de Putte

In the framework of the Ninth Conference of Parliamentarians of the Arctic Region in Brussels (13-15 sept, 2010), the Finnish Ministry of Foreign Affairs organized a seminar focusing on the potential establishment of an EU Arctic Information Centre (AIC), as a practical tool to support EU's Arctic policy, to increase its visibility and to provide easy access to Arctic information. This open forum was held on Sept 14th in Brussels, and was attended by more than 80 representatives of different EU and Arctic/Polar institutions, universities and research institutes. APECS supports the general idea of an EU Arctic Information Centre, and participated in the seminar by the representation of Mieke Sterken and Anton Van de Putte.

<http://apecs.is/apecs-news/2077-eu-arctic-info-center>





Message from the Director

Ny-Ålesund

I'm very happy that this month's newsletter is featuring the Scott Polar Research Institute (SPRI; <http://www.spri.cam.ac.uk/>). SPRI has been a long supporter of APECS and our goals and we look forward to continuing our great relationship.

SPRI, along with many other organizations in the UK, has a strong collaboration with Norwegian polar research. One particularly good collaboration is in working at Ny-Ålesund on Svalbard (<http://npolar.no/nysmac/>)... in fact the current manager of the Ny-Ålesund station is a SPRI graduate :)

The Norwegian government has designated Ny-Ålesund as an international base for research in natural sciences on Svalbard, and as a centre for Norwegian Arctic research. All other activities in the area must pay due consideration to the needs and demands of the ongoing research. Ny-Ålesund is easy to reach and has a well-developed infrastructure. This, combined with the unique natural surroundings, make it an optimal base for conducting Arctic research in any of the natural sciences.

Ny-Ålesund hosts many research programs in Norway, as well as internationally including the UK's Natural Environment Research Council (NERC), Alfred Wegener Institute (AWI), the Chinese Arctic and Antarctic Administration, Italy's Consiglio Nazionale delle Ricerche (CNR), GeoForschungsZentrum Potsdam (GFZ), Institut Polaire Français, Korea Polar Research Institute (KOPRI), India's National Centre for Antarctic and Ocean Research (NCAOR), Japan's National Institute of Polar Research (NIPR), Stockholm University, and the University of Groningen in the Netherlands.

You can find out more about the great facilities, including the Ny-Ålesund Science Managers Committee (NySMAC), which works to enhance cooperation and coordination amongst research activities at the Ny-Ålesund International Arctic Research and Monitoring Facility at <http://npolar.no/nysmac/>.

- Dr. Jenny Baeseman, Director



The Scott Polar Research Institute

A Home to Past, Present, and Future Polar Research

Contributed by SPRI Director, Dr. Julian Dowdeswell

Edited by Allen Pope, from the SPRI website (www.spri.cam.ac.uk)

As we approach the centenary of Robert Falcon Scott's Terra Nova expedition to the South Pole, it is only appropriate to also turn our focus to the institute which serves as the memorial to Scott and his four companions, who died on the return journey from the Pole. The Scott Polar Research Institute (SPRI) was established in 1920 for research into both Polar Regions and is an institute within the University of Cambridge. During the 1930s it became a base for a number of important early scientific expeditions to the Arctic and Antarctic. During World War II it served the British government as a centre for research into cold weather warfare, clothing and equipment, and, since the War, it has developed further to become an international centre for research and reference in a variety of fields related to polar environments; scientific, historical, and social.

SPRI is home to almost 80 people – researchers, graduate students, curators, bibliographers, and support staff – all dedicated to polar research. SPRI is made up of six research groups which investigate a range of issues in both environmental and social sciences of relevance to the Arctic and Antarctica, together with Britain's only dedicated Polar Museum, the SPRI Library, Archive, and Picture Library. SPRI also hosts APECS partner the Scientific Committee on Antarctic Research (SCAR) and APECS supporter the International Glaciological Society (IGS).

The Polar Museum, which just reopened after a yearlong, £1.75 million redevelopment, displays exhibits on Arctic peoples, polar exploration from many time periods, current polar research, and a rotation of special polar art exhibitions. The aim of the museum is to project the history of UK polar heritage and the wider scientific and environmental significance of the Polar Regions to the public.



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R.D.Smith/Scott Polar Research Institute,
University of Cambridge



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R.D.Smith/Scott Polar Research Institute,
University of Cambridge

Scott Polar Research Institute (cont.)



undertaken regularly by SPRI staff and students, involving icebreaking research vessels, aircraft and overland travel by snowmobile and even by reindeer-pulled sledges.

In addition to the cutting-edge work done by professors, lecturers, and researchers (as just one example, it was a SPRI research team which first discovered subglacial lakes under Antarctica!), SPRI hosts two graduate degree courses: both one-year Masters and three-year Doctoral degree programmes in Polar Studies.

As you can see, SPRI truly embodies the past, present, and future of Polar research. From the museum to the archives, from anthropologists who live for months with Siberian reindeer herders to glaciologists who explore caves under hundreds of meters of ice, from science experts to students just starting to learn about the Poles, SPRI has a lot to offer. Any APECS member should come visit SPRI, check it out, and say hi!



The polar library contains the world's most comprehensive holdings of scholarly books and journals on polar research, with exceptional archival collections relating to the exploration of the Antarctic and Arctic. The SPRI archives are even keeping a daily blog and Twitter feed recounting Scott's last voyage with the text of his expedition diary!

The SPRI Picture Library houses one of the world's most comprehensive collections of historical photographs of the Polar Regions. It also holds a growing collection of modern photographs taken by scientists and researchers working in the field. The collection contains stunning images taken from the very early days of exploration to both the Arctic and the Antarctic, particularly those of the expeditions led by Scott and Shackleton. It provides a documentary record of all aspects of life, travel and work in the polar regions, ranging through the fauna and flora, transport, science, scientific stations, glaciology, scenery and ethnography.

The six research groups at SPRI focus on polar physical and social sciences: the Glaciology and Climate Change Group, the Glacimarine Environments Group, the Polar Landscape and Remote Sensing Group, the Polar Social Science and Humanities Group, the Circumpolar History and Public Policy Research Group, and the Arctic Ocean Geopolitics Programme. Fieldwork in the Arctic and Antarctic is

The images in this issue of the newsletter are contributed by the Scott Polar Research Institute. Many of the images are from the Freeze Frame Collection (<http://www.freeze-frame.ac.uk/>), a world-class collection of historic polar images. These images record the first expeditions by Europeans to the polar regions and offer a fascinating view into the lives and science of these "early" career polar researchers. All images are copyright protected and used in this newsletter with permission from SPRI.

The 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.



Partner News & Announcements

Science and the Cultural Arts: SCAR-OSC 2012

Contributed by Jenny Baeseman

We invite all Antarctic researchers, to consider participating in a unique series of music and cultural arts events that will be held in conjunction with the next Scientific Committee on Antarctic Research (SCAR) Open Science Conference in July 2012 in Portland Oregon. The events will highlight the creative talents of Antarctic scientists who use music, film, art, photography in relaying their research results and science messages to the general public (and to others in the science community).



<http://apecs.is/apecs-news/2003-art-at-scar-osc-2012>

First global snapshot on permafrost temperatures

Contributed by Hugues Lantuit



The International Permafrost Association releases the IPA-IPY Thermal State of Permafrost (TSP) Snapshot Borehole Inventory, the first comprehensive global inventory of permafrost temperatures as an output of the International Polar Year.

The National Snow and Ice Data Center prepared the metadata and posted the data set on its web site: <http://nsidc.org/data/g02190.html>

Data from over 500 of these boreholes were presented and discussed in a series of papers in the special IPY - TSP issue of Permafrost and Periglacial Processes (<http://onlinelibrary.wiley.com/doi/10.1002/ppp.v21:2/issuetoc>) that include five regional papers and one synthesis paper.

<http://apecs.is/apecs-news/2022-first-global-snapshot-on-permafrost-temperatures>

IPCC Fifth Assessment Review

Contributed by Jenny Baeseman

Work has recently begun on the 5th Assessment Report (AR5) of the Intergovernmental Panel on Climate Change, which will be published in 2013/14. Follow the link to a short summary of developments that may be of specific interest to the cryospheric research community.

At the end of last year the structure and outline of the AR5 were approved by the IPCC Plenary. Cryospheric topics were given a high profile in several chapters in WG1 (The Physical Science Basis) and WG2 (Impacts, Adaptation and Vulnerability).



<http://apecs.is/apecs-news/2023-ipcc-fifth-assessment-review>





Partner News (cont.)

Request for Ideas - Marine Microbiology and Ecology Research

Contributed by Jenny Baeseman

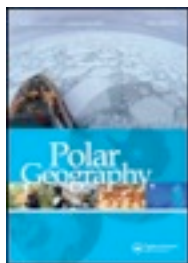


The Gordon and Betty Moore Foundation's (GBMF) Marine Microbiology Initiative (MMI) has supported research in marine microbiology and marine microbial ecology since 2004 - INCLUDING AN APECS EVENT! Building on advances in the field, the initiative is preparing to enter its next phase. It is seeking input from the international scientific community to identify the most promising opportunities where a strategic, focused effort over the next five years will help to break open black boxes in the field and take understanding of marine microbial communities to a new level.

<http://apecs.is/apecs-news/2052-funding-marine-micro>

Polar Geography - 14 Days Free Online Access and Call for Papers

Contributed by Jenny Baeseman



The International Permafrost Association releases the IPA-IPY Thermal State of Permafrost (TSP) Snapshot Borehole Inventory, the first comprehensive global inventory of permafrost temperatures as an output of the International Polar Year.

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<http://apecs.is/apecs-news/2065-polar-geography-free>



Life and Applications of Extremophiles

Contributed by Hugues Lantuit

Check out the flyer for the special issue of Environmental Microbiology related to "Life and Applications of Extremophiles" (<http://apecs.is/images/stories/files/EMTextremoph.pdf>). This special issue is intended to serve as an output to the upcoming MicroPerm workshop organized by the International Permafrost Association (<http://www.microperm.org>).



New Arctic Sea Ice Freeboard and Thickness Data Set now Available at NSIDC

Contributed by Jenny Baeseman

NSIDC is pleased to announce the release of a new highly anticipated data set, Arctic Sea Ice Freeboard and Thickness. This data set was produced from Ice, Cloud, and land Elevation Satellite (ICESat) Geoscience Laser Altimeter System (GLAS) data, along with data from the the Special Sensor Microwave/Imager (SSM/I), and climatologies of snow and drift of ice. The data span six GLAS Release-28 campaigns from laser 3D through 3I, covering the time period 21 October 2005 to 05 November 2007.

For more information on this data set please see: <http://nsidc.org/data/nsidc-0393.html>





Partner News (cont.)

Materials from the UKPN Circumpolar Remote Sensing Workshop

Contributed by Allen Pope

On September 20, 2010 over 30 students and researchers came together at the UKPN's Circumpolar Remote Sensing Workshop hosted by Cambridge University's Scott Polar Research Institute. For the handouts, PDFs, and videos go to the UKPN website (http://www.polarnetwork.org/new/index.php?option=com_content&view=article&id=134).

All uploads aren't quite complete but will be updated in the coming days. Sessions included:

- Freely Available GIS and Remote Sensing Resources for Polar Research
- Innovation in Imaging Antarctica
- Airborne LiDAR for Glaciology
- Real-time Reception and Analysis of Satellite Data
- Environmental impacts of extractive industries in the Russian North and how they look from space
- Remote sensing to address mapping needs for environmental management in Antarctica
- Causes and Consequences Ice Shelf Retreat in Antarctica



<http://apecs.is/apecs-news/2080-materials-from-the-ukpn-circumpolar-remote-sensing-workshop>

SCAR September Newsletter Available

Contributed by Jenny Baeseman



The SCAR September 2010 Newsletter is now available at <http://www.scar.org/news/newsletters/issues2010/sep10.html>.

- SCAR Business News
- Antarctic Science News
- Other Polar News and Announcements
- Upcoming Events and More...

University of the Arctic September Newsletter Available

Contributed by Jenny Baeseman



The University of the Arctic's Shared Voices Newsletter for September 2010 is now available.

Download (http://apecs.is/images/stories/newsletters/uarctic_shared_voices_sept2010_newsletter.pdf) or visit the University of the Arctic's Website (<http://www.uarctic.org/>).

Shared Voices is sent periodically to keep those interested in the University of the Arctic informed about its activities and development. The newsletter is distributed electronically over the University of the Arctic information service, uarcticlist.

The Shared Voices newsletter is sent as an HTML-formatted email featuring a summary of articles from that month, with links to the full story on the UArctic site. Monthly indexes of the news stories from Shared Voices can also be found in UArctic News.

To sign up, visit the Shared Voices website (<http://www.uarctic.org/singleArticle.aspx?m=86&amid=117>).

Check out COMNAP - the Council of Managers of National Antarctic Programs

Contributed by Jenny Baeseman

Many of us have been to Antarctica or are hoping to go to discover new things about the world's coldest, driest, highest, and windiest continent... There are enormous amounts of people and logistics behind our science efforts and we wanted to take this opportunity to introduce the international organization that helps to coordinate these efforts.



COMNAP stands for Council of Managers of National Antarctic Programs. It was created in 1988, and is the international association that brings together National Antarctic Programs from around the world to develop and promote best practice in managing the support of scientific research in Antarctica.

To learn more about COMNAP, visit their website (<https://www.comnap.aq/>) or read their October 2010 newsletter (<https://www.comnap.aq/NEWSOCT2010>).



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.

Energy and water vapour fluxes in the arctic tundra landscape: how can SAR data facilitate upscaling?

Contributed by: Jennifer Sobiech

Plastic ingestion by Arctic seabirds: indicators of change in Arctic waters

Contributed by: Jennifer Provencher

Genetic Diversity in a brooding echinoid *Abatus agassizii* based on Microsatellites

Contributed by: Claudia Maturana

Late Holocene hydrographic variability in Disko Bugt, West Greenland based on a diatom record

Contributed by: Diana Krawczyk

Sea Ice Distribution and Ice Use by Indigenous Walrus Hunters in Gambell, Alaska

Contributed by: Marie Kapsch

Using Skuas to Monitor Mercury in the Antarctic Environment: What is the Best Feather to Analyze?

Contributed by: A.R.L. Pessoa

Anemological Conditions in the Arctic During the First IPY 1882-1883

Contributed by: Przemyslaw Wyszynski

Characterisation of Glacier Facies with the Airborne Thematic Mapper

Contributed by: Allen Pope

Heavy metals and essential elements in bones of gentoo penguin (*Pygoscelis papua*) from King George Island (South Shetlands Islands)

Contributed by: Silvia Jerez

APECS Sweden: Summary of activities from IPY and beyond

Contributed by: J. Mård Karlsson

Geometry and Glacial Hydrology of Bellingshausen Dome, King George Island, Antarctica

Contributed by: Jennifer Sobiech



Sponsors of the Virtual Poster Session

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

Be sure to check out some of the past online Virtual Poster Session recordings to listen to your colleagues present their great work.

If you would to present your research during our online virtual poster session, please contact us vps-wg@apecs.is

We have great new video tutorial showing you how to participate in some of our live events. You can find that and loads of other great resources at <http://apecs.is/virtual-poster-session/live-sessions>.





Jobs

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.

Five College Fellowship Program 2011-12

Amherst, Massachusetts, U.S.A.

Posted by: Allen Pope

Project Scientist-II

National Institute of Ocean Technology, Chennai, India

Posted by: Suhas S. Shetye

Project Scientist-I

National Institute of Ocean Technology, Chennai, India

Posted by: Suhas S. Shetye

PhD position, Polar Marine Geology and Geophysics

Department of Geology, University of Tromsø, Tromsø, Norway

Posted by: Angelika Renner

Postdoctoral position in Glaciology/Geodesy

Geophysical Institute, U. of Alaska, Fairbanks, Alaska, U.S.A.

Posted by: Angelika Renner

2 post-doc positions in Greenland Hydrology

Bristol Glaciology Centre/Department of Aerospace Engineering, Bristol University, Bristol, U.K.

Posted by: Silje-Kristin Jensen

Postdoctoral Position in Arctic Hydrology

Department of Geography, Queen's University, Kingston, Ontario, Canada

Posted by: Layla Osman

Ph.D. and M.Sc. Positions

Department of Geography, Queen's University, Kingston, Ontario, Canada

Posted by: Layla Osman

Research Technician 3

Geophysical Institute, U. of Alaska, Fairbanks, Alaska, U.S.A.

Posted by: Angelika Renner

Latest Videos and Podcasts

Even though we all love reading a good literature paper, from time to time, we like to see science in action or listen to a meeting. This section is created to share fun things that your colleagues have created and to share the podcasts and lectures from our meetings.

IPY Field School 2010 Video Available

Two months since the end of the second International and Interdisciplinary IPY Field School ended, and the video is finally available to view (we blame technical difficulties for the delay.....). The 23 students from 14 different countries enjoyed three fantastic weeks in Svalbard, learning about climatic and environmental change in the Arctic. You can still read all about the students adventures (http://www.unis.no/20_RESEARCH/2070_IPY/Field_school_blog_2010.htm) and meet the participants. More information about the field school, which will be running for its third year in summer 2011, can be seen at: http://www.unis.no/10_STUDIES/1020_Courses/IPY_field_school/afs_201.htm

<http://apecs.is/apecs-news/2011-field-school-2010-video>

APECS Reception Video from IPY Oslo Science Conference Available

A special thank you to Alexey Pavlov who recorded part of the skit on the future of polar research presented by Hugues Lantuit and Jenny Baeseman, APECS' founders, at the IPY Oslo Science



Conference. Enjoy.

<http://apecs.is/apecs-news/2004-apecs-reception-oslo2010>



Meetings & Workshops

APECS RUSSIA Career Development Workshop at XXIII International Coastal Conference

8 October 2010



The workshop aims to provide the resources and tools for early career researchers to develop the skills necessary to work and collaborate in the increasingly critical international and interdisciplinary area of polar research. Event will consist of hands-on training on writing proposals and getting them funded, communicating science, alternative careers in polar research, influencing policy makers, and more. Experts from these areas,

together with mentors from the senior polar research community, will share their experiences and advice with the participants throughout event.

<http://apecs.is/apecs-news/2058-apecs-russia-career-development-workshop-at-xxiii-international-coastal-conference>

Workshop APECS Brazil: Perspectives and opportunities to early researches

13 - 15 October 2010

The 1st APECS/BRAZIL Workshop and Meeting aims to join ECS and senior scientists from several different polar areas. The activities will be divided into Earth and Life Sciences, which represent the general scientific activities developed by the Brazilian scientific community. In addition, activities related to Education and Outreach will occur concomitantly.

The Workshop will gather ECS and senior scientists aiming to divulge the Brazilian activities in the Polar Regions to all participants. Additionally, we aim to show the advances and opportunities in the Brazilian polar activities, which could help young scientists interested in polar sciences. The event will be open to everyone interested in Polar Sciences focusing strongly on high school students, graduate and post-graduate students, and educators. More information at the event website: <http://apecsbr-workshop.blogspot.com/>

<http://apecs.is/events/details/249-i-workshop-apecs-brazil-perspectives-and-opportunities-to-early-researches>

Workshop for Permafrost Microbiology

8-10 November 2010

An international workshop to initiate the circumpolar integration of permafrost microbiological studies



On behalf of the organizing committee we are pleased to introduce the first workshop series on permafrost microbiology.

MicroPerm aims at establishing a research network bringing together early career scientists with expert researchers in the field of permafrost microbiology. The workshop is meant to provide a forum for all scientists interested in permafrost microbiology and to work towards a project integrating results and methods relevant to that topic. Travel grants will be available for early career scientists.

Download the first circular at http://apecs.is/images/stories/files/first_circular_microperm.pdf

UK Polar Network Workshop - Polar Sedimentary Processes and Archives

18-19 November 2010



The UKPN and Loughborough University are pleased to announce the Polar Sedimentary Processes and Archives workshop as the latest in the 2010 series of UKPN career skills workshops.

Sedimentary archives are key indicators of past environmental change across a range of timescales. Coupled with an understanding of contemporary sediment processes, they make it possible to reconstruct terrestrial, cryospheric, atmospheric, marine, and lacustrine conditions, which are vital for accurate modelling of future scenarios for climate change.

We intend to appeal to early career researchers (MSc, PhD and post-doctoral researchers) working in polar, sub polar or alpine regions with an emphasis on sediments. The intention is to cover a range of sub-disciplines within the earth sciences including, glacial and periglacial sedimentology, limnology and palaeolimnology, hydrology, aeolian, marine and atmospheric sciences. This is not an exhaustive list and we welcome all polar researchers.

<http://apecs.is/apecs-news/1885-uk-polar-network-workshop-polar-sedimentary-processes-and-archives>



Meetings & Workshops (cont.)

PRYN-APECS Workshop at AGU

Contributed by Kristin Timm

The Permafrost Young Researchers Network (PRYN) and the Association of Polar Early Career Scientists (APECS) propose to hold a one-day career development workshop on Sunday 12 December 2010, prior to the 2010 Fall American Geophysical Union (AGU) meeting in San Francisco, CA, USA.



This workshop will provide a great opportunity for young researchers working in the polar regions and the cryosphere to meet new colleagues and mentors, and develop skills not often taught during graduate education programs.

<http://apecs.is/features/1932-agu2010>

Arctic Frontiers 2011: Science section

23-29 January 2011



Arctic Frontiers (AFT) holds its 5th annual conference in Tromsø, Norway from 23-29 January 2011, with the title "Arctic Tipping Points". AFT comprises a policy section and a scientific section. This call for papers addresses the scientific section.

The scientific section of AFT 2011 takes place from 26-28 January 2011, and is given the title:

"The Arctic in the Earth System perspective: the role of tipping points"

The scientific section is divided into 3 parts: 1. A joint and multi disciplinary first day with 10 invited speakers ending with a panel and plenum debate; 2. Four parallel sessions (included a poster session) on the second and third day; 3. A summary session discussion panel. The parallel sessions address 4 interdisciplinary themes:

- Sea ice and oceanographic perspectives
- Marine ecosystems and fisheries
- Socioeconomic and institutional perspectives
- People of the North

Interested scientists are invited to submit abstracts to one of these four sessions for both oral and poster presentations.

For more information download the complete Call for Papers on the AFT homepage www.arcticfrontiers.com.

Young Scientist Forum: Arctic Tipping Points: Research as a Driver for Northern Development

23 January - 2 February 2011

Parallel to the Arctic Frontiers Conference 2011 and in direct connection with the oral presentations, the Association of Polar Early Career Scientists (APECS) and the ARCTOS PhD School (<http://www.arctosresearch.net>) will organize an international workshop for PhD students and postdoctoral researchers interested in research and development in the pan-Arctic region.

During the workshop (which will take place in Tromsø, on the coastal steamer Hurtigruten and in Svolaer, Lofoten) participants will work in groups on given subjects related to the topics of the Arctic Frontiers Conference: "Arctic Tipping Points" (<http://www.arctic-frontiers.com/>). Senior scientists from the ARCTOS PhD School, as well as invited speakers from the conference will be present to ensure a good dialogue and progress in the discussions. The Final Project/Evaluation of the workshop will be oral presentations and mentor feedback of a group research proposal written during the workshop.

<http://apecs.is/events/details/255-young-scientist-forum-2011>

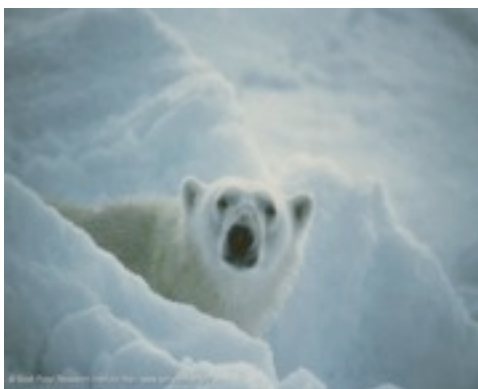
Arctic Science Summit Week 2011, 1st Circular is available

28 March - 1 April 2011

A preparation for Arctic Science Summit Week 2011 that will be held in Seoul, South Korea next spring, is in progress and the organizing committee has just released a 1st Circular for the meeting. Recall that following a successful experience of ASSW 2009 in Bergen, it is planned to combine business meetings with a 3-day scientific symposium. During ASSW 2011, a number of APECS activities and early career scientists' involvement will be supported by the Organizing Committee and IASC.

<http://apecs.is/apecs-news/1582-arctic-science-summit-week-2011-1st-circular-is-available>

Download the circular: http://apecs.is/images/stories/assw2011_circular.pdf



New Members

This month we had 87 new members from 17 countries. Welcome to APECS and we look forward to working with you to shape the future of polar research.

Jhannes Alberto Vaz – Faculty – Geosciences Brazil

Beatriz Almeida – Undergraduate – Environmental Science Brazil

Jozy Almeida – Plant Sciences Brazil

Frederik Ancker Agergaard – Doctoral Student – Engineering Denmark

Fernanda Andrade – Faculty – Oceanography Brazil

Claudia Thaís Ferreira Arce – Undergraduate – Oceanography Brazil

David Ashmore – Doctoral Student – Cryology & Glaciology United Kingdom

Nicholas Balascio – Doctoral Student – Geosciences United States

Justin Beckers – Masters Student – Environmental Science Canada

Patricia Borges – Undergraduate – Oceanography Brazil

Julia Bradley-Cook – Doctoral Student – Ecology United States

Ruth Brown – Research Scientist – Ecology United Kingdom

Skafti Brynjolfsson – Research Scientist – Geology Iceland

Aryana Carvalho – Undergraduate – Environmental Science Brazil

Wenfang Cheng – Engineering China

Casper Tai Christiansen – Masters Student – Microbiology Denmark

L. Antonio Cuevas – Doctoral Student – Oceanography Norway

Nigel D'souza – Doctoral Student – Zoology United States

Jussara de Cássia – Faculty – Social Sciences Brazil

Luisa de Mendonça – Undergraduate – Geosciences Brazil

Ekaterina Demyanova – Masters Student – Cryology & Glaciology Russia

Ana Paula Malvina dos Santos – Undergraduate – Meteorology & Atmospheric Sciences Brazil

Talita dos Santos – Faculty – Marine & Freshwater Biology Brazil

Anne-Cecile Dragon – Doctoral Student – Ecology France

Stacey Elmore – Doctoral Student – Ecology Canada

Andréia Fernandes – Undergraduate – Toxicology Brazil

Débora Ferraz – Undergraduate – Oceanography Brazil

Luciano Gomes Fischer – Doctoral Student – Oceanography Brazil

Ana Carolina Fortes Bastos – Undergraduate – Marine & Freshwater Biology Brazil

Benjamin Galton-Fenzi – Postdoctoral Researcher – Modelling Australia



New Members

Maria Isabel Garcia-Rojas – Doctoral Student
– Environmental Science

Australia

Christian Florian Gobel – Masters Student
– Oceanography

Brazil

Adriano Gomes de Lemos – Masters Student
– Engineering

Brazil

Sam Grainger – Masters Student
– Cryology & Glaciology

United Kingdom

Daiane Hammes
– Geology

Brazil

Ellen Hatleberg – Masters Student
– Social Sciences

United States

Olivia Hicks
– Zoology

United Kingdom

Hanne Ihlebæk – Masters Student
– Environmental Science

Norway

Mette John – Undergraduate
– Marine & Freshwater Biology

Canada

Joshua King – Doctoral Student
– Remote Sensing

Canada

Cassandra Kirk
– Ecology

United States

Paula Ladeira – Masters Student
– Engineering

Brazil

Leandro Lemos – Undergraduate
– Microbiology

Brazil

Katrin Lindbäck – Doctoral Student
– Environmental Science

Sweden

Åsa Lindgren – Postdoctoral Researcher
– Ecology

Sweden

Candice Lys – Doctoral Student
– Human & Public Health

Canada

Mariana Magalães – Masters Student
– Engineering

Brazil

Bjarni Magnússon – Doctoral Student
– Law

United Kingdom

Vinod Mahat – Doctoral Student
– Engineering

United States

Kimberley Anne Maher – Doctoral Student
– Forestry

United States

Joseph Mallalieu – Teacher
– Cryology & Glaciology

United Kingdom

Ana Beatriz Martinelli – Undergraduate
– Oceanography

Brazil

Alexander Michaud – Doctoral Student
– Microbiology

United States

Vinícius Moraes – Faculty
– Marine & Freshwater Biology

Brazil

Mohammad Suleiman Mostamandy – Teacher
– Environmental Science

Russia

Filippe Moura – Undergraduate
– Marine & Freshwater Biology

Brazil

Pedro Adnet Moura
– Geosciences

Brazil

Mandar Nanajkar – Postdoctoral Researcher
– Ecology

India

Talita Nascimento
– Meteorology & Atmospheric Sciences

Brazil

Peter Neff – Masters Student
– Cryology & Glaciology

United States

Lindsey Nicholson – Postdoctoral Researcher
– Cryology & Glaciology

Austria



New Members (cont.)

Kelsey Nyland – Undergraduate
– Environmental Science United States

Chris Page – Undergraduate
– Geosciences United Kingdom

Anant Pande
– Zoology India

Shramik Patil – Masters Student
– Marine & Freshwater Biology India

Doubravka Plášilová – Masters Student
– International Relations Czech Republic

Fernanda Quaglio – Doctoral Student
– Paleontology Brazil

Bruno Rego – Undergraduate
– Environmental Science Brazil

Thiago Rohr – Masters Student
– Oceanography Brazil

Elena Rumyantseva – Research
Scientist
– Hydrology Russia

Priscila Schilithz – Undergraduate
– Oceanography Brazil

Krisztina Sebe – Postdoctoral
Researcher
– Geosciences Hungary

Moisés Senhorinho – Masters Student
– Geology Brazil

Bárbara Sepúveda – Faculty
– Social Sciences Brazil

Amanda Signo – Undergraduate Brazil

Andressa Silva – Undergraduate Brazil

Mairi Simms
– Environmental Science United Kingdom

Alison Sloat – Doctoral Student
– Geology United States

Eduardo Souza – Doctoral Student
– Oceanography Brazil

Randy Stotler – Postdoctoral
Researcher
– Geosciences United States

Andrew Tedstone – Masters Student United Kingdom

Bhanu Thakur – Doctoral Student
– Environmental Science India

Rachel Turba – Undergraduate
– Zoology Brazil

Marina Veiga – Undergraduate
– Oceanography Brazil

Akshaya Verma – Doctoral Student
– Environmental Science India

Axel Wagner – Doctoral Student
– Geosciences Germany

Tiantian Zhang – Masters Student
– Law Iceland

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

Tosca Ballerini
Punyasloke Bhadury
Erli Costa
Bryany Denning
Francisco Fernandez
Jenny Fisher
Gerlis Fugmann
Emily Jateff
Silje-Kristin Jensen
Kim Jochum
Dubrava Kirievskaya
Sílvia Lourenço
Alexey Pavlov

Allen Pope
Angelika Renner
Jennifer Rhemann
Julia Schmale
Matt Strezelecki
Suhas Suresh Shetye
Rosa Rut Thorisdottir
Bego Vendrell
Anna Wagner
Penny Wagner
Mariëtte Wheeler
Yulia Zaika