



## APECS October 2009 Newsletter

*“And you, you will come too, young brother; for the days pass, and never return, and the South still waits for you. Take the Adventure, head the call, now ere the irrevocable moment passes!”*  
– the Sea Rat in *The Wind in the Willows*

APECS is proud to announce the election of a new Executive Committee to lead our organization into 2010. We have achieved much for a young group, and our success will continue because of the passionate contributions of our leaders, members, and mentors.

Benjamin Beall, APECS Vice-President

### In this month's newsletter ...

#### 1.) APECS News and Updates

- APECS 2009-2010 Executive Committee Election results
- New APECS Council Charter
- SCAR Biology APECS Meeting Report
- APECS South Africa Update
- Participate in IPY Polar Week and the International Lecture Series: 4-9 October
- IPY Oslo Science Conference – Updates
- Win a Free Trip to the Oslo IPY Conference - Submit your data!

#### 2.) Message from the Director – Arctic Frontiers and Young Scientist Forum

#### 3.) Important news from APECS partners

- International Permafrost Association launches new website
- IASC needs your Arctic photos for their yearbook
- Arctic Climate Feedbacks Report available from the World Wildlife Fund
- 2009 Climate Change and Energy Competitions
- Cephalopod Beak Guide published by José Xavier
- New Publication: Variations on Polysynthesis, the Eskaleut languages
- IPY September 2009 report published
- Workshop: "Marine Biodiversity under change", 24 Jan to 3 Feb 2010,
- Svalbard Science Forum Arctic field grant
- SCAR September 2009 newsletter published

#### 4.) Meetings, Workshops and Conferences

- APECS Session at the 1<sup>st</sup> World Young Earth Scientists (YES) Congress
- Arctic in Rapid Transition (ART) Workshop
- Luncheon Dialogue at the Antarctic Treaty Summit
- IPY International Early Career Polar Researcher Symposium
- AGU Session: Providing Climate Policy Makers with a Strong Scientific Base
- Marine Biodiversity under change workshop
- Climate Change in Magellan and Antarctic Regions: Evidence and Challenge for the Future
- IPY Oslo Science Conference 2010

#### 5.) Recent Literature Discussions on the APECS website

- The Climate Change Debate
- Eco-tweens can help polar bears
- New publication: Russia and the North
- Terrestrial ecologists ignore aquatic literature: Asymmetry in citation breadth in ecological public

## 6.) New Posters in the Virtual Poster Session

- An Investigation of the Impacts of Polynyas in Storfjorden, Svalbard
- The Antarctic Peninsula: Climate and Sea Ice Extent in a Changing Environment
- A Snapshot of Food Availability for Little Auks (Alle alle), Bjørndalen Colony, Svalbard
- Permafrost temperatures in Svalbard – what controls them?
- Biodiversity and Distribution of High Arctic Invertebrates and Plants Beneath a Breeding Sea Bird Colony

## 7.) Latest Videos posted to the APECS collection

- King Penguin
- Life Under the Ice
- Cruise Cruise Baby

## 8.) Jobs/Opportunities

### **APECS News and Updates**

#### **APECS 2009-2010 Executive Committee Election**

One of the great strengths of APECS is the wonderful breadth of experience, enthusiasm and knowledge of our members. The APECS Executive Committee is responsible for the overall direction of the organization and is always working to develop new strategies and activities for early career polar researchers. This year we had 9 candidates for the Executive Committee from Canada, Chile, Germany, New Zealand, Russia, and the U.S. covering the range of polar research from social science to glaciology. Leading APECS into 2010 is our new Executive Committee: Francisco Fernandez, Gerlis Fugmann, Daniela Liggett, Kate Sinclair, and Alex Taylor.

Please visit the Leadership pages on the APECS website (<http://apecs.is/leadership/>) for biographies of our Executive Committee members, for information on the structure of APECS, and for opportunities to get more involved through service on the APECS Council or committees.

#### **New APECS Council Charter**

APECS is a young and developing organization and we are always working to improve our structure and activities to make us an effective and valuable part of the polar research community. The Executive Committee has developed, and the Council has approved, a Council Charter to better communicate the roles and responsibilities of the APECS Council. We hope the Charter will serve as a living document describing the activities valuable to APECS and will improve communication between the membership, the Council, and the Executive Committee.

Please visit the APECS Council webpage for more information on the current Council members and to view the new Council Charter (<http://apecs.is/leadership/council>).

#### **SCAR Biology APECS Meeting Report**

APECS hosted two great events at the SCAR Biology Symposium, Sapporo, Japan. On July 28th, we had a social with senior scientists in a nice restaurant. Lots of senior scientists came including Dr. Chuck Kennicutt, Dr. Peter Convey and many others. Each table we had young scientists and senior scientists sitting together also with our very friendly Japanese young hosts sharing some knowledge of Japanese cuisine and drinks. We had about 70 people coming. It was so lively and fun!! Afterwards, some of us flowed to the Karaoke place next door and continued the fun.

For more info, please go to: <http://apecs.is/all-news/21-news/734-scar-biology-apecs-meeting-report>.

#### **APECS South Africa Update**

*Polar science is alive and well in South Africa*

You may think that a little country situated in the sub tropics, with tolerable year round temperatures and overwhelming biodiversity would not be interested in polar science. You would of course be wrong. South Africa's involvement in polar science commenced with its participation in the first International Geophysical Year (IGY) Antarctic Expedition in 1958 and in 1960 became one of the original signatories to the Antarctic Treaty launching the first South African over wintering scientific expedition in the same year. The South African National Antarctic Program celebrates 50 years of Antarctic exploration and polar science this year and aims to uphold the high scientific standards and active involvement in Antarctica for many years to come.

SANAP also maintains and operates research bases at Marion and Gough Islands situated in the Southern Ocean. Current research themes include the following:

- Antarctica: A window into Geospace
- Climate Variability: Past, Present and Future
- Biodiversity Responses to Earth System Variability
- Engineering a Sustainable Presence in Antarctica
- The History, Sociology and Politics of Antarctic Research and Exploration

APECS has been presented at a number of conferences, seminars and schools over the past few months:

- Antarctic Science winter school held in Hermanus, South Africa in July 2009
- South African Society for Atmospheric Sciences Conference held in Tulbagh, South Africa in September 2009
- GAES Seminar, University of the Witwatersrand, Johannesburg, South Africa October 2009

APECS South Africa is currently doing its best to source new members and expand the APECS scientific network bridging the north-south scientific gap. Please visit <http://www.apecs.is/south-africa> for more information.

### **Participate in IPY Polar Week and the International Lecture Series: 4-9 October**

As you know, we have been celebrating IPY Polar Days since March 1st, 2007. As the IPY research program moves toward analysis and results and as IPY participants plan for a large international conference in Oslo in June 2010, the IPY International Programme Office plans two Polar Weeks, in October 2009 and March 2010, with the theme: 'What Happens at the Poles Affects Us All'.

As part of this week APECS is coordinating an **International Polar Lecture Series**. If you are up for giving a public talk during this week and want it to be part of this series – please contact Kristin Timm [kmf.timm@gmail.com](mailto:kmf.timm@gmail.com) or visit <http://apecs.is/outreach/482-international-polar-week-lecture-series> for more information.

### **Conference Programme Available: IPY Oslo Science Conference: 8-12 June 2010**

The Conference Programme for THE IPY Science Conference is available online. The opportunity to submit abstracts will be available the end of October. Please visit: <http://www.ipy-osc.no/>.

There will be a lot of great opportunities for young researchers at this conference: APECS will be having a 2-day career development workshop prior to the meeting, a speed-dating/networking event with senior mentors, and a lounge open to young researchers to relax during the meeting or chat with mentors. In addition there will be awards for outstanding posters and oral presentations, an online jobs connections website, and an interview room to use during the conference. There will be a large number of stipends for young researchers to this meeting which include lodging, 1/2 price registration, most meals, local transportation, and entrance to all conference social activities. We also have APECS members on every one of the 6 conference theme committees and the overall steering committee. For each session, one of the 3 conveners/chairs will be an early career researcher. So as you can see, the IPY Oslo Conference will be a great meeting for all of you to attend; not only to meet each other, but to make connections to mentors, educators and the senior research community. More information on the application process and deadlines for these activities will be forthcoming at <http://www.apecs.is/oslo2010>.

### **Win a Free Trip to the Oslo IPY Conference - Submit your data!**

IPY encourages open and timely data sharing. So the IPY Data Committee, Programme Office, and Open Science Conference announce an opportunity for data providers to win a free trip to the Open Science Conference in Oslo, Norway, 8-12 June 2010. IPY Oslo Science Conference

Every month, starting in September, a random IPY metadata entry will be selected from the IPY Metadata Portal and participating National IPY repositories. The winners will be announced on [ipydis.org](http://ipydis.org).

<http://apecs.is/features/504-win-a-free-trip-to-the-oslo-ipy-conference-submit-your-data>

## **Message from the Director – Arctic Frontiers and the Young Scientist Forum**

My first trip to beautiful Tromsø, Norway was in January 2008 for the Arctic Frontiers Conference. I had no idea then that a year later APECS would be hosted here at the University of Tromsø and the “Paris of the North” would become my home – but I am very glad it did.

Arctic Frontiers is a great annual conference that brings together policy makers and scientists to discuss issues on the forefront of Arctic matters. In addition, every year the conference, together with the ARCTOS PhD School, host a Young Scientist Forum that is offered for credit through the University of Tromsø. This forum is open to young researchers from all countries and disciplines and often comes with travel fellowships.

Young Scientists attend the conference and special workshops, as well as a week long marine cruise where they learn techniques and skills and are accompanied by young artists, writers, and musicians. This is a great way to 'get your feet wet' in the natural and physical sciences as well as learning how social sciences are a key component in Arctic research. For more information about the Arctic Frontiers meeting and the Young Scientists Forum, visit: <http://www.arcticfrontiers.com>.

### **Living in the High North 24-29 January 2010**

Policy development - Northern societies in a changing natural environment  
Science conference

- \* Part I: Ice and climate, including paleoclimate.
- \* Part II: Sustainable communities in the High North; economy, well-being including health issues, and self-governance
- \* Part III: Marine Biodiversity under change
- \* Part IV: Frontiers in E-learning of the High North

For more great information on opportunities in Norway and to get involved with the Norwegian APECS Committee, visit <http://www.apecs.is/norway>.

### **Important news from APECS partners**

#### **International Permafrost Association launches new website**

We are pleased to introduce the new website of the International Permafrost association (<http://ipa-permafrost.org>) as well as its new mailing list, [PERMALIST](#). The new IPA website is a joint venture with the Arctic Portal and features a wide range of new features through user membership, including access to permafrost data, membership on the new PERMALIST mailing list, access to picture galleries, IPA documents, and other resources. It is regularly updated with news from the International Permafrost Association and members countries and will be progressively enhanced to offer a wide range of web 2.0 features to its users.

For further information, please go to:

<http://apecs.is/apecs-news/505-international-permafrost-association-launches-new-website>.

#### **IASC needs your Arctic photos for their yearbook**

Every year we share the internal and external developments and initiatives of the International Arctic Science Committee (IASC) with the arctic community by publishing the IASC yearbook. The 1500 copies of the IASC bulletin are widely circulated by mail and distributed at the Arctic Science Summit Week. For the photographs in the bulletin we fully rely on what scientists, students and organizations send in on a voluntary base. So here is another request for the upcoming publication: If you have great pictures reflecting life and science in the Arctic and you want to share them with an interested public of professionals, don't hesitate to send them in.

<http://apecs.is/features/500-iasc-needs-your-arctic-photos-for-their-yearbook>

#### **Arctic Climate Feedbacks Report available from the World Wildlife Fund**

A new World Wildlife Fund (WWF) report entitled "Arctic Climate Feedbacks: Global Implications" is available. The report outlines dire global consequences of a warming Arctic that are far worse than previous projections. The peer-reviewed report brings together climate scientists who have assessed the current science on arctic warming. It shows that numerous arctic climate feedbacks -- negative effects prompted by the impacts of warming -- will make global climate change more severe than indicated by other recent projections, including those of the Intergovernmental Panel on Climate Change's 2007 assessment.

The report can be downloaded by clicking on the "Arctic climate feedbacks" tab (found underneath the picture) at: [http://www.panda.org/what\\_we\\_do/where\\_we\\_work/arctic/](http://www.panda.org/what_we_do/where_we_work/arctic/). This webpage includes the full report and executive summary, as well as other resources.

#### **2009 Climate Change and Energy Competitions**

The U.S. Civilian Research & Development Foundation (CRDF) is currently accepting proposals for its 2009 Climate Change and Energy Competitions. These competitions will provide awards of \$93,000 or \$90,000 for up to two years of support to joint research teams of U.S.-Russian and U.S.-Ukrainian scientists.

For more information, please visit: <http://apecs.is/apecs-news/497--2009-climate-change-and-energy-competitions>.

### **Cephalopod Beak Guide published by José Xavier**

We are happy to inform you that the "Cephalopod beak guide for the Southern Ocean" (see attached), published by the British Antarctic Survey (BAS), was launched early this month at the Cephalopod International Advisory Council Conference, in Vigo (Spain), with very good reviews. Jose Xavier, former APECS Executive Committee member was the lead author on this great contribution to the knowledge of cephalopods and their interactions with predators in the Southern Ocean.

Please visit: <http://apecs.is/apecs-news/489-cephalopod-beak-guide-published-by-jose-xavier>.

### **New Publication: Variations on Polysynthesis, the Eskaleut languages**

This publication is the proceedings of the Linguistics Session of the 15th International Congress of Inuit Studies, which was held in Paris in October 2006. The work is comprised of a set of papers focusing on the extreme polysynthetic nature of the Eskaleut languages that are spoken over the vast area stretching from Far Eastern Siberia, through the Aleutian Islands, Alaska, and Canada, as far as Greenland.

For further information please go to <http://apecs.is/apecs-news/478-new-publication-variations-on-polysynthesis-the-eskaleut-languages>.

### **IPY September 2009 report published**

Contents:

1. IPO Activities
2. IPY Reports
3. October Polar Week (Oct 5-9)
4. APECS update
5. Upcoming IPY meetings and AGU sessions
6. Update from Oslo 2010 Planning Process
7. Call for new stories and blogs for ipy.org

[View the report](#)

### **Workshop: "Marine Biodiversity under change", 24 Jan to 3 Feb 2010, Tromsø, Norway**

Parallel to the Arctic Frontiers Conference 2010 and in direct connection with the oral presentations, the Young Scientist Forum and the ARCTOS PhD School will organize an international workshop for PhD students interested in the pan-Arctic region. This is an approved PhD level course (BIO-8512 – 2 ECTS) at the University of Tromsø, and consists of the conference itself, plus an intensive 5 days seminar after the conference.

Deadline for application for the PhD workshop AND travel grant is 10 October 2009.

<http://apecs.is/features/678-workshop-qmarine-biodiversity-under-change-24-january-to-3-february-2010-tromso-norway>

### **Arctic field grant**

The Svalbard Science Forum, in cooperation with the Norwegian Polar Institute, will award the following Arctic Fieldwork Grants in connection with research projects on Svalbard in 2009:

1. Grants to master's and doctoral students who are registered at Norwegian universities. Funding will cover supplementary costs in connection with data acquisition for master's and doctoral projects based on Svalbard.
2. Grants to researchers from Norwegian research institutions. Funding will cover supplementary costs in connection with data acquisition for projects based on Svalbard. Priority will be given to applications from research institutions and groups that are not already established on Svalbard. Applications must show that key researchers in the project are dependent on the grant in order to participate.

The grants are awarded to specific individuals, and funding may not be sought on behalf of other researchers or students. The application deadline is 20 November 2008 at 4:00 pm. Applications received after the deadline will be rejected.

<http://apecs.is/apecs-news/72-arctic-field-grant>

### **SCAR September 2009 newsletter is hot off the press**

The latest edition of the SCAR Newsletter is now available to view on the SCAR website at: <http://www.scar.org/news/newsletters/issues2009/sep09.html>.



## Meetings, Workshops, and Conferences

For all meetings related to polar research, visit: <http://www.apecs.is/events>

### UPCOMING EVENTS

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](mailto:apecsinfo@gmail.com)). Organizing a meeting is a great way to gain experience, and meet senior researchers that can help you in the next steps of your career.

#### **APECS Session at 1st World Young Earth-Scientists (YES) Congress - Beijing China**

This session will review our current understanding of climate change in the Polar Regions and its global impact based on evidence from paleo-records, observations and modeling. The discussion will be centered around key documents including the "Arctic Climate Impact Assessment" from the Arctic Council, the "State of Polar Research Report" from the International Polar Year (IPY) Joint Committee and the "Antarctic Climate and the Environment Review" from the Scientific Committee on Antarctic Research (SCAR). The main outputs of the roundtable are to identify the important areas of research that need to be addressed by young geoscientists, within the Y.E.S. network and the wider community, and the potential merits of interdisciplinary and international collaboration. For more information, visit <http://apecs.is/events/details/55-yes-congress-2009>.

#### **Arctic In Rapid Transition (ART) Workshop Fairbanks, Alaska, USA - APECS Meeting**

The ICARP II Marine RoundTable and the International Arctic Research Center (IARC), located at the University of Fairbanks Alaska, are organizing a workshop to start the [Arctic In Rapid Transition \(ART\) Initiative](#) in Fairbanks, Alaska. The workshop is endorsed and sponsored by the IASC SSC "Marine System", the former Arctic Ocean Science Board (AOSB).

The ART Initiative is a proposed integrative, multi-disciplinary, long-term pan-Arctic program to study changes and feedbacks with respect to physical characteristics and biogeochemical cycles of the Arctic Ocean and its biological productive capacity. ART will focus on integrating data on past and present transitional states of the Arctic Ocean that can be used synergistically with ongoing monitoring, observing and modeling efforts, to better assess future changes. Please visit <http://apecs.is/events/details/64-ART-workshop> for more information.

#### **Luncheon Dialogue at the Antarctic Treaty Summit**

*Building Bridges: Communicating Science with Policy-Makers*

How can researchers best engage with Antarctic policy and policy-makers? An interdisciplinary panel of experts who have successfully transcended the barriers between science and policy will address this and other questions during this luncheon organized by the Association of Polar Early Career Scientists (APECS).

The panellists will share their experiences and insights about: (a) fostering practical and productive dialogues between researchers and policy-makers; (b) facilitating policy decisions in sensitive political climates; and (c) communicating science more effectively to the public.

All early career researchers are warmly invited to participate.

Please send Daniela Liggett ([daniela.haase@canterbury.ac.nz](mailto:daniela.haase@canterbury.ac.nz)) an email if you wish to attend this event.

For more information, please visit: <http://apecs.is/events/details/93-apecs-luncheon-at-ATS>.

#### **IPY International Early Career Polar Researcher Symposium**

The objective of the Symposium is to bring early career Arctic and Antarctic researchers together for a series of career development training sessions to develop professional skill, work with senior mentors, and develop international and interdisciplinary collaborations.

Session Themes are:

- Community Based Research – Lead by Amy Witta
- Funding your ideas – Lead by Gerlis Fugmann and Laura McKinnon
- Working with Policy Makers – Lead by Harry Borlase, Alex Taylor and Gerlis Fugmann
- Communicating your Science – Lead by Jenny Baeseman and Dave Carlson
- How Do I Get Started in Science? – Lead by Alex Taylor, Harry Borlase and Kim Jochum
- Data management – Lead by Ben Beall
- Time Management and Work/Life Balance – Lead by Laura McKinnon and Nadja Steiner

Please visit <http://apecs.is/victoria09> for more information.

## **Providing Climate Policy Makers with a Strong Scientific Base**

APECS and IASC are hosting a session at the Fall 2009 AGU dealing with Climate Science and Policy. We encourage all APECS members at the meeting to attend to learn how you can work with policy makers on climate legislation.  
*PA02: Providing Climate Policy Makers With a Strong Scientific Base*

With the increased interest in and the concern of rapidly changing polar regions and a worldwide growing awareness about climate change, it is more critical now than ever before that policy makers understand the science behind climate change. Scientists around the world are testifying before Congress and Parliament, presenting at the United Nations, working with political leaders through organizations such as the Arctic Council and one-on-one meetings with policy makers.

Please visit: <http://apecs.is/events/details/73-providing-climate-policy-makers-with-a-strong-scientific-base-agu-session>.

## **Marine Biodiversity under change**

Tromsø, Norway, 24 Jan – 3 Feb, 2010

Parallel to the Arctic Frontiers Conference 2010 and in direct connection with the oral presentations, the Young Scientist Forum and the ARCTOS PhD School will organize an international workshop for PhD students interested in the pan-Arctic region.

For more information, please visit: <http://apecs.is/events/details/89-marine-biodiversity-under-change>.

## **Climate Change in Magellan and Antarctic Regions: Evidence and Challenge for the Future**

Punta Arenas, Chile, 27.10.2009 - 31.10.2009

Magellan and Chilean Antarctic Region can be seen as a natural laboratory and offers the opportunity to study the Climate Change phenomenon. Therefore, the region draws the attention of scientists all over the world who are willing to record these changes and improve their understanding at the regional and global scale.

Go to <http://apecs.is/events/details/75-cambio-climatico-en-la-region-de-magallanes-y-antartica-evidencia-y-desafios-para-el-futuro> for more information.

## **IPY Oslo Science Conference**

The IPY Oslo Science Conference will:

- demonstrate, strength, and extend IPY's remarkable accomplishments in science and outreach.
- represent an essential opportunity to display and explore the full breadth and implications of IPY activities
- emphasize the breadth and global impact of polar research during IPY
- highlight the extraordinary interdisciplinary and multinational efforts in research and in communication of research to the public.

APECS is working on a number of projects for young researchers at the IPY Open Science Conference. Please visit <http://apecs.is/oslo2010> for more information on APECS activities, and the Oslo Science Conference website (<http://www.ipy-osc.no/>)

## **Recent Literature Discussions on the APECS website**

There are so many great research papers to read and so little time to read them all. If you have read an interesting paper and want to tell others about it, or if you have found a new method and want to know if anyone else has tried it - post the article's information and encourage other APECS members to discuss it with you at <http://apecs.is/literature>.

Recent discussions:

- The Climate Change Debate (<http://apecs.is/component/content/article/84-education-and-outreach/502-the-climate-change-debate->)
- Eco-tweens can help polar bears (<http://apecs.is/component/content/article/84-education-and-outreach/484-eco-tweens-can-help-polar-bears>)
- Russia and the North (<http://apecs.is/component/content/article/82-human-and-social-system/463-new-publication-russia-and-the-north>)
- Terrestrial ecologists ignore aquatic literature (<http://apecs.is/component/content/article/83-terrestrial-systems/448-terrestrial-ecologists-ignore-aquatic-literature-asymmetry-in-citation-breadth-in-ecological-public>)

## **New Posters in the Virtual Poster Session**

**Share posters you have presented at other conferences, carry on discussions, get feedback from senior researchers in the field and also find new collaborators.**

*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 and assures a platform for the exchange of Arctic, Antarctic and Cryospheric research, policy, and education activities that are Shaping the Future of Polar Research. APECS is leading an effort towards e-conferences among polar researchers where participants can present their research findings to an international audience through web-based settings using the APECS website at <http://apecs.is/virtual-poster-session>.*

Recent posters include:

- An Investigation of the Impacts of Polynyas in Storfjorden, Svalbard
- The Antarctic Peninsula: Climate and Sea Ice Extent in a Changing Environment
- A Snapshot of Food Availability for Little Auks (Alle alle), Bjørndalen Colony, Svalbard
- Permafrost temperatures in Svalbard – what controls them?
- Biodiversity and Distribution of High Arctic Invertebrates and Plants Beneath a Breeding Sea Bird Colony

## **Latest Videos and Podcasts in the APECS collection**

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.

Recent posts in the APECS multi-media collection (<http://www.apecs.is/multi-media>):

- King Penguin
- Life Under the Ice
- Cruise Cruise Baby

## **Jobs/Opportunities**

**Many other job opportunities listed at the website: <http://www.apecs.is/jobs>**

### **Environmental Modeling Scientist**

Monsanto Company, St. Louis, MO, U.S.A.

Monsanto is seeking a highly motivated individual with the ability to work as a member of the Environment and Modeling Team. The successful candidate will work to improve our ability to develop and deploy superior commercial corn products by improving the understanding of testing environments.

For more information, please visit: <http://apecs.is/jobs/details/6/6/3>

### **Postdoctoral Fellowship, USGS: Yukon River DOM**

USGS, Boulder, CO, U.S.A.

Our proposal seeks to address two major questions related to DOM export from northern rivers that will provide needed data to assess regional changes in carbon cycling and to anticipate impacts to land, freshwater, and coastal water resources.

For more information, please visit: <http://apecs.is/jobs/details/6/6/4>

### **USGS Mendenhall Research Fellowship in Aquatic Ocean Biogeochemistry**

USGS, Boulder, CO, U.S.A.

The proposal seeks to develop a nationwide estimate of carbon burial and carbon gas exchange lakes, ponds, and reservoirs in the United States. Applicants develop their own research proposal, but we envision the project drawing heavily upon existing databases to develop regional- to national-scale estimates of carbon storage and flux as well as ground-truth assessment of the validity of the nationwide estimate.

For more information, please visit: <http://apecs.is/jobs/details/6/6/5>



### **Tenure-track Assistant Professor of Biology - Ecology**

Colby College, Waterville, ME, U.S.A.

Colby College is seeking an Ecologist to fill a tenure-track position as Assistant Professor of Biology to begin September 1, 2010. The successful candidate will have a specialization in aquatic ecology along with an interest in the application of ecological principles to the solution of environmental problems. Applicants with experience and expertise in areas such as limnology, fisheries biology, and aquatic invertebrate biology are especially encouraged to apply.

For more information, please visit: <http://apecs.is/jobs/details/6/6/6>

### **Physical Oceanography Postdoctoral Scholar**

University of Alaska, Fairbanks, AK, U.S.A.

Alaska Fairbanks (UAF) invites applications for a postdoctoral research assistant to work with the Ice-Covered Ocean Response to Atmospheric Storms (ICORTAS) project. Scientific goals are to investigate 1) the high-frequency, near-inertial response of the coupled ice-ocean system to strong atmospheric forcing and 2) the shoaling and dissipation of near-inertial wave groups as they reach the continental shelf break.

For more information, please visit: <http://apecs.is/jobs/details/6/6/7>

### **Post-doc position at the University of Hawaii, cloud modeling**

Dept. Meteorology, University of Hawaii at Manoa, Hawaii, U.S.A.

There is an opening for a training fellowship to support a post-doctoral research associate at the Department of Meteorology in the University of Hawaii at Manoa. The successful candidate will have the opportunity to study lightning's environmental dependencies with a state-of-the-art model of the aerosol-cloud interaction. The main goal of the project is to understand the influence from diverse environmental factors, such as instability and aerosol loadings, on the lightning of a cumulonimbus cloud. The post-doctoral scientist is also encouraged to develop related research with the other groups studying aerosols, clouds and climate at the University of Hawaii.

For more information, please visit: <http://apecs.is/jobs/details/6/6/8>

### **Postdoc in WRF Modeling, aerosol-cloud interactions**

California Institute of Technology, Pasadena, CA, U.S.A.

The research objective is to investigate the "cause-effect" linkage among aerosol, clouds and precipitation using the latest Weather Research & Forecasting (WRF) model. The successful candidate will perform WRF modeling on aerosol-cloud-precipitation interactions, in close connection with the ongoing A-train satellite data analysis.

For more information, please visit: <http://apecs.is/jobs/details/6/6/9>

### **Senior Lecturer/Professor position in Dynamic Meteorology**

Stockholm University, Stockholm, Sweden

For more information, please visit: <http://apecs.is/jobs/details/6/6/10>

### **Tenure-track position in meteorology/climatology**

Simon Fraser University, Vancouver, B.C., Canada

The Department of Geography at Simon Fraser University, in Burnaby, British Columbia, invites applications for a tenure track faculty appointment in meteorology/climatology. We seek a physical scientist with research interests in atmospheric or climate science. Links to other branches of physical geography/earth system science, and the human impacts of climate change are desirable.

For more information, please visit: <http://apecs.is/jobs/details/6/6/11>

### **Postdoctoral candidate on outlet glacier modeling of the Greenland ice sheet**

Geological Survey of Denmark and Greenland

The Geological Survey of Denmark and Greenland (GEUS) seeks a postdoctoral candidate to work on outlet glacier modeling of the Greenland ice sheet. The position is expected to last for one and a half years, and begins 1 November 2009.

For more information, please visit: <http://apecs.is/jobs/details/6/6/12>

### **Postdoctoral candidate in pelagic fish ecology or fisheries acoustics**

Prince William Sound Science Center, Cordova, AK, U.S.A.

The Prince William Sound Science Center seeks a postdoctoral candidate in Pelagic Fish Ecology or Fisheries Acoustics to fill a research position focused on pelagic fish assessment and ecology. The position is in support of a large survey effort focused on herring populations in Prince William Sound (PWS).

For more information, please visit: <http://apecs.is/jobs/details/6/6/13>

### **Assistant Professor, Climate System Modeling**

University of Southern California, U.S.A.

The University of Southern California is committed to climate science and climate education that will address the environmental, social, and economic challenges facing society in the 21st century. We seek to add an assistant professor in the area of Climate System Modeling to the Department of Earth Sciences.

For more information, please visit: <http://apecs.is/jobs/details/6/6/14>

### **Assistant Professor in Marine Biogeochemistry/Marine Organic Chemistry**

University of South Carolina, Columbia, SC

The Marine Science Program and the Department of Earth and Ocean Sciences at the University of South Carolina invite applications for a tenure-track, assistant professor position in marine biogeochemistry/marine organic geochemistry. This position is part of an ongoing initiative to enhance ocean sciences at the University of South Carolina. The position is a 9-month academic year appointment. A Ph.D. is required at the time of appointment. Post-Doctoral experience is desirable.

For more information, please visit: <http://apecs.is/jobs/details/6/6/15>

### **Soil Scientist**

National Ecological Observatory Network, Boulder, CO, U.S.A.

The Fundamental Instrument Unit (FIU) consists of an automated suite of meteorological, atmospheric, soil and ecophysiological measurements. The Soil Scientist will support Science project development and management activities.

For more information, please visit: <http://apecs.is/jobs/details/6/6/16>.