



A newsletter published by the International Arctic Social Sciences Association

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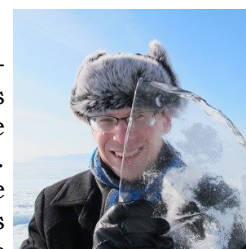
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Letter from the President

Dear IASSA Members!

In the last few months IASSA has been active in engaging with several key initiatives and platforms that provide opportunities to ensure that the voice of social scientists is heard strongly and loudly. IASSA participated in the Second Arctic Science Ministerial and Arctic Environmental Ministers Meeting and continued to be an active observer in the Arctic Council providing input at both Sustainable Development Working Group (SDWG) and Senior Arctic Officials meetings, as well as through our work with the Social, Economic and Cultural Expert Group (SECEG). IASSA has also contributed to the recent Arctic Resilience Forum organized under the auspice of the SDWG. Please see reports on these events in this Northern Notes.



Another important item is our progress advance IASSA priorities (see page 3). At ICASS IX we proposed the new IASSA platform *From Growth to Prominence* that includes nine priorities, which will be instrumental in bringing the IASSA to the next level of success. The task forces set up by the Council continue its work. Today we are happy to announce the IASSA Council has finalized the terms of reference for **IASSA Working Groups** organized by IASSA members (IASSA Members Working Groups). We have heard from many of you at ICASS IX and at other occasions that having an opportunity to build Working Groups around certain research topics and themes could help IASSA members to stay more engaged and connected. Having these WGs could also be helpful for program and sessions development as we are preparing for the ICASS X in 2020. The Council considered various options for WG creation recognizing that IASSA bylaws do not have such units in our organization. As a result, we opted for a bottom-up, members-driven principles of WG development, and hope that this will make it easier to spur the development of new Working Groups in the next few years.

Finally, **WE ARE READY TO ANNOUNCE THE DATES OF THE NEXT INTERNATIONAL CONGRESS OF ARCTIC SOCIAL SCIENCES (ICASS X)**. ICASS X will take place in Arkhangelsk, Russia **on JUNE 15-19, 2020**. IASSA is grateful to the Northern Arctic Federal University for hosting this jubilee meeting and celebrating IASSA's 30th anniversary with us. **PLEASE MARK YOUR CALENDARS!**

Sincerely Yours,

Andrey N Petrov, President, IASSA



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Website: www.iassa.org

E-mail: andrey.petrov@uni.edu

Editors: Andrey Petrov

Siobhan McTiernan

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IASSA Members Working Groups

New Opportunity:

Creating IASSA Member-Driven Working Groups

The IASSA Council is excited to support the creation of new working groups (WGs) by IASSA members. These "**IASSA member working groups**" will be informal thematic affinity groups of IASSA members. They will not be established by IASSA, but rather by groups of interested IASSA members, and governed by members using their own procedures. Although the working groups will not be formal divisions or structures of IASSA, and as such are not recognized in the IASSA bylaws, IASSA will facilitate their development by placing them in a list of IASSA members WGs, providing links to WG websites from the main IASSA web page and giving preference to WGs in creating side events and other activities at IASSA meetings. The IASSA Council will also consider engaging WGs in association activities, such as organizing sessions for the International Congress of Arctic Social Sciences (ICASS), as appropriate. The IASSA Council may give WG events preference for formal endorsement and informational support. The IASSA Council may also periodically review WG activity.

To be placed on IASSA's website, WGs must meet the following *basic criteria*:

1. Have a contact person/lead who is an IASSA member
2. Be open to all IASSA members to join
3. Be comprised of active IASSA members and should encourage new members to become IASSA members upon joining the WG
4. Have a website containing the WG description, contact information and clear acknowledgment of its affiliation with IASSA

As soon as the working group is established, its leadership should inform the IASSA secretariat and provide the information specified in criteria # 1 and 3. The IASSA Council retains the right to review such information with respect to its fit with the IASSA mission and established procedures.

If you have questions please email Andrey Petrov at andrey.petrov@uni.edu



MARK YOUR CALENDARS:

THE TENTH INTERNATIONAL CONGRESS OF ARCTIC SOCIAL SCIENCES

JUNE 15-19, 2020

ARKHANGELSK, RUSSIA

IASSA Priorities: Progress Report

<i>Priority</i>	<i>Actions (to date)</i>
Centralization of the IASSA's role as the flagship of Arctic social sciences among international professional organizations and national science institutions (funding agencies, academies, ministries, etc.) to ensure an increased investment and continued development of our disciplines;	Participation in the Arctic Council: All SAO meetings All observer events 2nd Arctic Science Ministerial Arctic environmental Ministers Meeting 1st Arctic Resilience Forum
Expansion of the IASSA role in the Arctic Council , Arctic Economic Council (through observer and expert group mechanisms) and IASC (through elevating the position of the Social and Human Sciences Working group);	SDWG: IASSA was present and submitted statements/contributions at all sessions Became an official partner in the Social, Economic and Cultural Expert Group at SDWG Established the IASSA External relations task force
Consideration of options to develop IASSA internal structure with the potential to create new working or thematic groups , networks and regional nodes;	Working groups task force developed WG terms of reference.
Support to Indigenous scholars , organizations and residents, and institutional, methodological and practical facilitation of Indigenous knowledge and knowledge co-production (workshops, training, research principles, advocacy, etc.);	Established the Indigenous Knowledge task force Engaged in discussions with IASC to work collaboratively with the relevant IASC working and action groups IASSA joined the Arctic Group on Indigenous Involvement of the International Arctic Science Committee
Further engagement of humanities and arts	Plans to broadly include humanities and arts in the ICASS X program IASSA supports the Year of Indigenous Languages –2019. IASSA will provide informational support to the Indigenous languages meeting in Yakutsk, Russia. Details are forthcoming.

IASSA Priorities: Progress Report

Priority	Actions (to date)
Institutional and intellectual support for inter-disciplinary connectivities through more active cooperation with professional associations in biogeophysical sciences (Intl. Permafrost Association, Intl. Geographical Union, American Geophysical Union, etc.), including cooperative agreements, co-organized conferences and shared networks;	IASSA is now the member of the International Science Council, a lead global organization devoted to international cooperation in the advancement of science.
Targeted, prioritized investment in the new generation of Arctic social scientists including financial support to early career scholars, sustained collaboration with APECS, IASC Fellowship Program, and research coordination networks with early career programming;	Established the Early Career task force
Consideration of a possibility to increase the number and geography of IASSA meetings between ICASS, such as annual regional or thematic meetings;	Established the Working group task force to discuss this.
Expansion of our connections with social scientists working in non-Arctic regions , including Antarctica.	IASSA actively participated in POLAR 2018

MEMBERSHIP RENEWAL

IASSA is a membership fee-based organization. Individual membership fees make the entire IASSA operating budget, so no activities can occur without incoming membership fees. The fees are used to pay for IASSA representation in the Arctic Council and other arenas where we want to be heard (International Science Council, IASC, Arctic Circle, United Nations, AGU, IGU, etc.) and for IASSA activities in between the meetings, including Council-approved small initiatives (e.g., workshops) and limited support for the Secretariat.

It is important to review your membership status and pay your membership fees ASAP if you have not done so recently. The fee is just \$33 per year (IASSA collects fees in 3-year installments, i.e. \$100 for three years). This is a modest amount to become an active member and support your professional organization in order to give a strong voice to Arctic social scientists!

Pay/renew your membership at:

<https://iassa.org/membership/become-a-member>

Summary and Updates: IASSA Participation in the Arctic Council Meetings in Fall 2018

by Andrey N Petrov, IASSA President and Head of Delegation to the Arctic Council

IASSA participation in the Arctic Council Senior Arctic Officials Meeting and Observers Session on Biodiversity



SAO meeting on November 1-2, 2018 and its observers session were focused on the issues of biodiversity. In its statement IASSA reminded the Council that biodiversity not only concerns animals and plants, but it is about humans, i.e. Arctic residents, their well-being, food security, cultural vitality and ability to pursue their livelihoods. Thus, biodiversity cannot be considered or understood in isolation from human society and Arctic communities in particular. IASSA experts: social scientists, humanities scholars, and Indigenous knowledge holders, are active in examining issues of biodiversity and implementing their knowledge in practice.

IASSA also reiterated that as an observer, we are committed to supporting biodiversity research at the Arctic Council through our multidisciplinary expertise. It is IASSA's position that more *interdisciplinary, international, knowledge-system-bridging, and equitably-funded* research is needed to understand, predict and prepare for a change in biodiversity. By supporting the work of the Arctic Council, its PPs, working and expert groups, Arctic countries are poised to be on the leading edge of process in biodiversity science and practice. The implementation of Agreement on Enhancing International Arctic Scientific Cooperation will ensure a growing knowledge base for informed decisions.

Update on the Social, Economic, Cultural Expert Group (SECEG) of the Sustainable Development Working Group (SDWG)

Arctic Council's SDWG met in Rovaniemi on October 29-30, 2018. Among various items, the discussion pertaining to the status and future of the Social, Economic, Cultural Expert Group (SECEG) is of particular relevance to IASSA. The proposal to consider was presented by Dr. Timo Koivurova (current SECEG Co-chair), and the SDWG had an exchange of opinions in a closed



session. Below is a sort summary of the outcomes based on the memo shared with the observers, including IASSA, by Dr. Koivurova. SECEG proposed to continue practice that each member country and permanent participant appoints members of SECEG. While most funding will be found from external sources, there needs to be a security of funding for physical meetings if SECEG membership. Each member state and PP will nominate SECEG experts on the basis of the person having the best possible capabilities to serve on SECEG. The appointments will be generally two-year renewable. The primary work of SECEG under the upcoming Icelandic Chairmanship will likely revolve around the issues of sustainable development found in the SDWG Strategic Framework and UN Agenda 2030. Perhaps, SECEG will be in a position to produce "State of the Arctic" reports from the viewpoint of social sciences and indigenous knowledge. The SECEG proposal recommended to establish formal relationships between SECEG and Arctic Council's science observer organizations, in particular IASSA, IASC and UArctic. In the end, SDWG resolved that there is no need to formalize these relationships, but to rely on IASSA, IASC and UArctic experts in individual projects. IASSA has been a part of the SECEG proposal development, and is looking forward to future working with SECEG. During the Icelandic chairmanship, IASSA will continue to work with SECEG in developing the best ways in which our Association can engage with this Expert Group. Direct participation would be the most effective and productive format, but other forms of collaboration can also be established to meet SECEG mandated objectives and fulfill IASSA's observer role in the Arctic Council.

IASSA President and Council Active at the 2nd UArctic Congress in Finland

by: Diane Hirshberg, IASSA Council Member and Professor at University of AK, Anchorage



IASSA was well represented at the UArctic Congress which was held in Oulu and Helsinki Finland in early September. IASSA President Andrey Petrov represented IASSA at a side event of the Thematic Network on Science Diplomacy. He co-convoked a session titled "Current research on extractive industries and the sustainability in the Arctic," which featured presentations by Petrov as well as Councilor Gertrude Saxinger.

Petrov was also invited to represent IASSA at a formal dinner with Prince Albert of Monaco, political leaders from local communities and the Finnish government, and top leadership of Arctic organizations.

Council member Diane Hirshberg represented IASSA in a meeting on Thematic Networks and other Arctic research organizations, discussing ways in which IASSA could collaborate more with UArctic thematic networks. She also was a keynote speaker in the scientific section, giving

a plenary talk titled "Reframing Arctic Education Research," and was an invited panelist in a session on Gender Inequality. She also represented

the University of Alaska Anchorage in both the UArctic Rectors meeting and the Council of UArctic Meeting and in her role as an Arctic Research Consortium of the U.S. (ARCUS) board member participated in a meeting of the UArctic Research Analytics Institute.

Hirshberg and Petrov together presented some of the preliminary learnings from the international research project Arctic Youth – Sustainable Futures.

Saxinger also chaired a side event on Queering Indigeneity: Indigenous Queer Intersections in the Arctic, which was co-convoked by the IASSA Working Group Gender in the Arctic & IASC Social and Human Sciences Working Group.

There were of course many IASSA members presenting as well, and we were excited to see such a robust presence of social scientists at the Congress!



Exploring Common Solutions for the Arctic Environment

by Andrey N Petrov, IASSA President and Head of Delegation to the Arctic Council



photo credit Kaisa Sirén

IASSA Statement Prepared for the 2018 Arctic Environment Ministers' Meeting

The International Arctic Social Sciences Association (IASSA) brings together over 700 social science and humanities scholars who work in the Arctic. This includes experts in anthropology, human geography, sociology, economics, political science, linguistics, history, health and archeology, among others. Social science research has important contribution to understanding complex processes of environmental change in the Arctic. The nature of social-ecological systems is such that changes in the natural environment cannot be examined and understood in isolation from social dynamics in Arctic communities. Humans and social systems are critically important at both ends of the environmental change process: they are often a driving force behind it and, at the same time, the main recipient of its impacts. Similarly, nature conservation in the Arctic is not attainable without engaging Indigenous peoples and local residents as researchers, stewards and stakeholders.

Arctic residents, most particularly the Indigenous peoples, have a special relationship and unique, grounded in generational experiences, understandings of Arctic environment. Indigenous knowledge is a separate, inherently self-sustaining knowledge system with its own methodologies and validation processes that is key to accurate and holistic interpretation of

natural systems dynamics. Arctic residents and communities hold an important place in environmental research and policymaking. Engaging social sciences and Indigenous knowledge is a good practice that allows developing evidence-based Arctic environmental policies.

IASSA and its members have been active participants of key Arctic Council initiatives focused on examining environmental change, vulnerability, resilience and adaptation in the context coupled human-natural systems. This includes Arctic Resilience Action Framework, Arctic Resilience Report, Arctic Human Development Report, Adaptation Actions for a Changing Arctic, Arctic Social Indicators, and others. We hope for further cooperation across disciplines and Arctic Council working groups to ensure that social science expertise, as well as Indigenous knowledge are fully incorporated.

Environmental policy and research play critical role in improving wellbeing of Arctic communities while preserving ecosystems. Social implications of resource based activities, whether extractive industries or renewable energy projects, is an important element of planning needed to ensure sustainable development in the Arctic. As an observer, IASSA is committed to supporting this and other fields of applied environmental work at the Arctic Council through our multidisciplinary expertise. Socio-economic impact assessment and benefit sharing principles are priority research areas for Arctic social scientists. IASSA members strive to develop methodologies for assessing human wellbeing, measuring socio-economic impacts of resource activity and creating Arctic-based indicators of sustainable development.

To ascertain the UN sustainable development goals in the Arctic, more interdisciplinary, international research is needed in the forthcoming years to understand, predict and prepare for environmental change. Arctic countries are well positioned to accomplish this task by supporting the work of the Arctic Council, its working and expert groups, with its emphasis on environment, human wellbeing and sustainability. Conclusion of the Agreement on Enhancing International Arctic Scientific Cooperation is an important step towards this success.

2nd Arctic Science Ministerial

by Andrey N Petrov, IASSA President and Head of Delegation to the Arctic Council



On October 25-26 2018 IASSA took part in the 2nd Arctic Science Ministerial meeting in Berlin co-hosted by the European Commission, Finland and Germany.

The **aim** is to increase capacity to respond to major societal challenges in the Arctic, encourage further scientific cooperation among a large number of countries and representatives of indigenous peoples.

The Arctic Science Forum (Day 1) showcased achievements, progress and future directions in various areas of Arctic research. The Science Forum was structured around the three ASM 2 themes:

- Strengthening, integrating and sustaining Arctic observations, facilitating access to Arctic data, and sharing Arctic research in-

frastructure;

- Understanding the regional and global dynamics of Arctic change;
- Assessing the vulnerability and building resilience of Arctic environments and societies.

Panels were set up to reflect topical, national and intellectual diversity in each themes, with a broad participation of the Indigenous knowledge holders. The forum was open to Arctic stakeholders, policymakers and media.

ASM2 commitment to emphasizing Indigenous knowledge is much appreciated. However, social scientists were in a vast minority on the panels. Still IASSA was able to participate in the discussion. IASSA will work to ensure that ASM3 has more focus on social sciences and humanities and continues to emphasize Indigenous knowledge.

Science Forum discussions were used to shape the meeting of the government ministers and delegates and produce the **Joint Statement**, a report on undertaken initiatives and planned deliverables.

The next Arctic Science Ministerial meeting in 2020 will be hosted by Iceland and Japan.

ASM2 Joint Statement and ASM2 Report is available at: <https://www.arcticsscienceministerial.org/>



50th Milestone Edition Commemoration for Northern Notes!

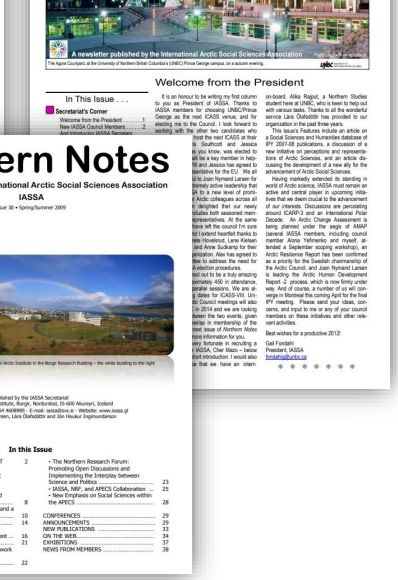
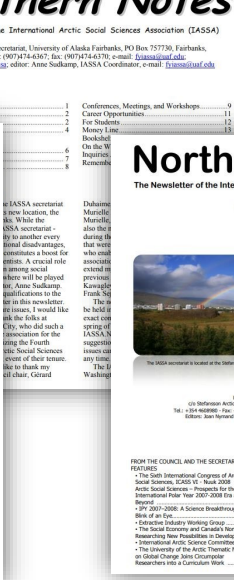
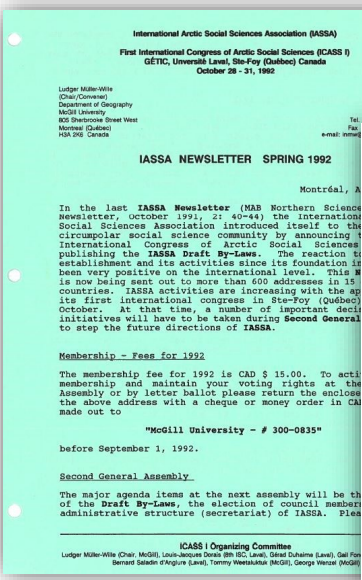
by Siobhan McTiernan, ARCTICenter, University of Northern Iowa, USA

History:

International Arctic Social Sciences Association (IASSA) was established in Fairbanks, Alaska on August 23, 1990. It was there that IASSA held its First General Assembly during the 7th Inuit Studies Conference at the University of Alaska, Fairbanks. At the meeting the bylaws were drafted and oversaw by the assembly and the 2-year term Active Council was elected. The inspiration for IASSA resulted from various groups of social scientists conducting research in the Subarctic, Boreal regions, circumpolar North, and Arctic coming together to form this institution! Many people were involved in the development of IASSA to make it what it is today.

mained independent and has developed new looks (seen in the issues below). The progression of updated issues occurred in (left to right) 1992, 1995, 2001, 2009, 2011.

The updates increased as the years progressed and IASSA grew. Eventually transforming the newsletter into what we now know as the Northern Notes! In later issues, newsletters have been expanded to include pieces such as editorials from the president/ chairs, book reviews, book releases, new publications, members' news, institutional profiles, events, opportunities, events, and announcements!



Publications and Communications:

Wide spread communication with the research community began in May of 1991. The first wide ranging announcement with general IASSA information and IASSA Bylaws went sent out using facilities at McGill University and was included in the Northern Sciences Network Newsletter. The second IASSA Newsletter was also mailed using McGill University and included IASSA's first email contact address, membership fees among other announcements for general meetings. The IASSA Newsletter became independent on their third issue in May 1993. It was developed by the IASSA secretariat at the Arctic Centre and mailed from there. This publication included its own format, layout, title, and logo. In the years to come, the newsletter has re-

Commemoration:

To all of the many scientists across the array of disciplines who come together to share knowledge and experiences with fellow academics, students, and early career scholars, we value and appreciate your active involvement! Without you, IASSA and the Northern Notes wouldn't be where it is today! From an advertisement in an issue, with 300 inquiring members, we are now networking with over 1020 individuals and institutions across the globe! From everyone here at the Northern Notes, we would like to thank you! Your support and contributions are deeply appreciated!

Sincerely,
Northern Notes Editorial Team

Arctic PIRE Project Seeks to Develop Arctic Urban Sustainability Index

by Robert Orttung, The George Washington University, USA



A consortium of universities is developing an Arctic Urban Sustainability Index (AUSI) and implementing a digital storytelling effort that seeks to develop the capacity of Arctic students to participate in developing their urban communities with support from the National Science Foundation's Partnerships for International Research and Education. Our project website with detailed information is available at:

<https://blogs.gwu.edu/arcticpire/>

The AUSI seeks to measure urban sustainability across five dimensions: economic, social, environmental, governance and planning. The idea is to develop indicators for urban development that can measure the current state of affairs and progress going forward. The research should be able to identify best practices that can be transferred from city to city. Criteria for the indicators are that they are easy to understand, based on data that is collected regularly, measure policies that require long-term investment, are under city control, draw on community input, and integrate across a number of fields. Among the outputs are a pilot index in the Arctic Yearbook and a book examining the situation surrounding cities in the Arctic context.

pilot index (<https://arcticyearbook.com/arctic-yearbook/2017/2017-scholarly-papers/220-developing-metrics-to-guide-sustainable-development-of-arctic-cities-progress-challenges>)

book (<https://www.berghahnbooks.com/title/OrttungSustaining>)

Developing the Index is proving to be rather challenging. The initial idea was to examine 80 variables for 50 cities, but that posed a lot of problems in collecting the data. Then we thought it would make sense to focus on 10 headline variables for a handful of case study cities as a beginning. But at a recent meeting to develop the second book, each contributor wanted to include 2-3 indicators that he or she found particularly important, so we returned to having approximate 80 indicators again. After further discussion, we decided to try out an existing international standard for defining sustainable cities – ISO 37120. That one includes 128 indicators! Working with those widely accepted indicators will hopefully help us determine which ones are the most relevant overall and in Arctic conditions specifically. So far, we can confirm that multidisciplinary research is both time-consuming and arduous, but we remain optimistic that it will produce results that go beyond what a single discipline can do.

Another challenge is developing a theory of sustainability to drive the index. Currently, the central idea is that the more top-down and bottom-up collaboration in a city, the more likely the city will be sustainable. On one hand that means that the population has to be actively engaged in advocating for a wide range of sustainability policies. On the other, city authorities must be willing to provide leadership in developing these policies. The crucial element is that the city authorities and population are actively working together and agree what the ultimate goal is. Currently, we are working on ways to measure these forms of participation and collaboration.

Arctic PIRE Project Seeks to Develop Arctic Urban Sustainability Index (continued)

In terms of the educational outreach, our team has developed a #60above60 effort for K12 classrooms in Arctic and non-Arctic locations. The basic idea is that students make three 60 second videos that briefly describe their city, an environmental issue in the city, and a solution for the problem identified. By making the videos, the students learn how to describe their own situation and lay out a path for getting involved in its solution. By exchanging the videos with students in other cities, they learn about how people live in a different environment and hopefully have a chance to interact with them. This part of the project also produced an [Arctic Yearbook article](#) and project leaders are working on a variety of education research articles to develop their understanding of how effective the storytell-

ing tools are in engaging students in sustainability studies and STEM education in general. These educational efforts are helping to inform our understandings of urban sustainability.

Arctic Yearbook Article:

<https://arcticyearbook.com/arctic-yearbook/2017/2017-scholarly-papers/224-digital-environmental-storytelling-connecting-to-the-arctic-60above60-pilot>

We are actively seeking partners to develop the project in both the research and education spheres. For further information, please contact:

Robert Orttung (rorttung@gmail.com).



Keep in touch with Arctic PIRE Updates

<https://www.facebook.com/ArcticPIRE/>



https://twitter.com/Arctic_PIRE



The National Science Foundation's Office of Polar Programs (OPP) welcomes three new program directors to the Section for Arctic Sciences

1. Gregory J. Anderson

Program Director, Arctic System Sciences
(703) 292-4693, greander@nsf.gov



2. Roberto Delgado

Program Director, Arctic Observing Network
(703) 292-2397, robdelga@nsf.gov

Roberto Delgado is the program director for the Arctic Observing Network (AON) in the National Science Foundation's Office of Polar Programs (OPP). He comes to OPP's Arctic Sciences Section from the National Institutes of Health, where he served as a program chief; co-led the Interagency Arctic Research Policy Committee (IARPC) Health and Wellbeing Collaboration Team; coordinated the Arctic Council's RISING SUN initiative; and managed contracts, cooperative agreements, and research grants focused on resilience and well-being among rural, global, Arctic, and American Indian and Alaska Native communities. He earned his doctorate in biological anthropology and anatomy (now evolutionary anthropology) from Duke University, with expertise in evolutionary ecology, terrestrial ecosystems, and wildlife biology. He also previously held research faculty positions at Hunter College of the City University of New York and the University of Southern California. In addition to directing AON, he also is involved in NSF's Navigating the New Arctic Big Idea. He may be reached at her office at 703.292.2397 or via email at robdelga@nsf.gov.



3. Colleen Strawhacker

Program Director, Arctic Social Sciences
(703) 292-7432, colstraw@nsf.gov

Colleen Strawhacker is the associate program director for the Arctic System Sciences Program (ARCSS) in the National Science Foundation's Office of Polar Programs. She is serving on a Visiting Scientist rotator appointment while on leave from the National Snow and Ice Data Center at the University of Colorado Boulder. She earned her doctorate in anthropology from Arizona State University in 2013, where she focused on the archaeology of climate-driven risk and vulnerability in the U.S. Southwest and the North Atlantic. She has expertise in the social sciences, convergent research spanning the natural and social sciences and engineering, and cyberinfrastructure. As well as co-managing the Arctic System Sciences Program, she is the lead program officer for the Arctic Social Sciences Program (ASSP). She may be reached at her office at 703.292.7432 or via email at colstraw@nsf.gov.



Gender Equality in the Arctic – an International Project on Gender and Diversity

by Federica Scarpa, Communications Manager for Icelandic Arctic Cooperation Network

GENDER EQUALITY IN THE ARCTIC²

For many of us, the Arctic tends to conjure images of an icy wasteland and harsh living conditions in remote communities. Too often the fact that people live in the region is overlooked while climate change, potential economic development, scientific research and more recently (resumed) military activity attracts significant attention. While all of this plays a large role in the fate and development of the region, it is important to remember that the Arctic is in fact the home of millions and is a region of cultural diversity and vibrancy, although admittedly not without its challenges.

Adaptation to change and the resilience of Arctic populations historically has been celebrated throughout, but the rate of change witnessed today will increasingly contribute to pressures on communities – environmental, infrastructural, economic, social and cultural – requiring perhaps new ways of coping and adapting.

It is important to remember that change in the Arctic is not uniform and that geographical and cultural differences will always require an understanding of context, providing also the opportunity to learn from each other. The need for sustainable development is however shared by all Arctic communities, indigenous and non-indigenous alike. Sustainable development requires multi-stakeholder cooperation and diversity – including in terms of gender balance – in

leadership and policy-making processes at local, national and international levels.

Gender Equality in the Arctic (GEA) is an Arctic Council project initiated by Iceland in 2013. At the time, gender issues had not featured very prominently in the work of the Arctic Council since the Arctic Council co-organised a conference on gender equality and women in the Arctic entitled *Taking Wing*, held in Inari in Finland a decade earlier. The Arctic Council has published two important reports where gender is addressed: The Arctic Human Development Report I (ADHR I) published in 2004 included a special chapter on gender and the Arctic Human Development Report II (AHDR II) mainstreamed gender into each chapter.

GEA is a circumpolar collaborative project focusing on gender equality and diversity in the Arctic. Its objective is to highlight the importance of recognition and appreciation of diversity in terms of discourses, gender, indigenous and non-indigenous peoples, governance, education, economies, social realities, sustainability and balanced participation in leadership and decision-making both in the public and private sectors.

GEA has enjoyed strong support from the start and the majority of the participants in the first phase of the project have kept the torch burning. For information about the project partners, sponsors and other collaborators please visit the project website:

<https://arcticgenderequality.network/>

GEA is comprised of three phases. Phase I included the international conference ‘**Gender Equality in the Arctic: Current Realities, Future Challenges**’ held in Akureyri, Iceland, October 2014. The event was well-received and brought together indigenous and non-indigenous policy makers, scientists and business people from the eight Arctic States. The conference proceedings were published in Feb-

Features Continued

Gender Equality in the Arctic – an International Project on Gender and Diversity (continued)

ruary 2015, and are available online

(<https://oaarchive.arctic-council.org/handle/11374/409>),

as are recordings of each presentation

(<https://www.arcticiceland.is/is/recordings>).

Following up on one of the conference conclusions, Iceland proposed a follow-up project in 2016, where the aim was to create an Arctic Gender Equality network of stakeholders from all walks of life.

In the GEA phase II follow-up project, the focus has been twofold: On the one hand, on creating a website [<https://arcticgenderequality.network/>] and a facebook group [<https://www.facebook.com/groups/Gender.Equality.Arctic/?ref=bookmarks>], where scientists, policy makers and other interested parties can find relevant material and connect to potential collaborators. On the other hand, raising the level of visibility of gender issues through organization of and participation in sessions on Gender Equality in the Arctic at various Arctic events: the Arctic Circle Assembly in Reykjavik, Iceland, 2017 and 2018; the Arctic Circle Forum in Tórshavn, Faroe Islands, 2018; and not least at the UArctic Congress in Oulu and Helsinki Finland, 2018. These have included themes such as **Contemporary Issues of Gender in the Arctic (Arctic Circle, October 2017, Reykjavík)**; a breakout session on **Gender and Mobility: Integrating Realities into Policy** and a panel on **Gender Equality in the Arctic: Challenges and Situated Policies (Arctic Circle Forum, Faroe Islands, May 2018)**; **sessions on Networking on Gender Equality in the Arctic Region: Round Table, Gender Equality and 2030 Agenda for Sustainable Development, and Health and Gender Equality. Changing quality of life: Women, Men and Health (September 2018 Helsinki, Finland)**; and



Photo Credit: Daniel Starrason

The people in the photograph are the following: Jón Haukur Ingimundarson; Beza Seyoum Alemu, Liliia Vinokurova and Birna Bragadóttir

Arctic Leadership: Gender and Diversity in Politics, Science and Industry (Arctic Circle, October 2018, Iceland).

Recently a call for material was distributed to networks, appealing to colleagues to contribute interesting material related to issues of gender and diversity in the Arctic region. This could include reports, information on networks and projects, articles, books or videos for publishing on the project website. All those with pertinent information are encouraged to contact Ms. Embla Eir Oddsdóttir, Director, Icelandic Arctic Cooperation Network at embla@arcticiceland.is.

Phase II of the GEA project will see its conclusion in spring of 2019 whereas GEA phase III is set to begin shortly thereafter. Phase III will be a two-year project where networking and dissemination will continue to play an important part, while also including an initiative conducting a comprehensive analysis. Project participants look forward to continued cooperation with new and old partners.

First Arctic Resilience Forum: Discussion on how to build Arctic resilience by sharing of good practices

by Tatiana Vlasova, Andrey Petrov, Sergey Volkov



The IASSA participation as an Arctic Council observer in Arctic Resilience Action Framework (ARAF) project seems to be very important. To be effective, such participation requires the bridging of multiple Arctic scientific and educational organizations, knowledge systems, and the engagement and cooperation of a range of stakeholders at different scales from pan-arctic to national, regional and local. IASSA plays a considerable role in these processes focusing its attention on social science perspectives and strengthening multidisciplinary international cooperation in science and education and bringing social and humanities science perspectives in it. Participating in ARAF, IASSA cooperates with other scientific organizations such as the International Geographic Union Cold and High Altitude Regions commission (IGU-CHAR) as integrated geographical approaches are of tremendous significance for developing the Resilience theory and thinking. IGU-CHAR involves other non-Arctic states and organizations and this could broaden the scope of the ARAF beyond its defined geographical area.

ARAF was adopted by the Arctic Council Ministers on May 11, 2017 in the Fairbanks Declaration, a document that articulates circumpolar priorities for building resilience. It is meant to serve as a guiding reference for Arctic stakeholders, and provide an organizational structure for the Arctic Council to continue discussions around the topic of resilience. Resilience is not a new topic in the Arctic research. Resilience assessment in the Arctic was initiated in 2011 by the Swedish Ministry of the Environment as a priority for the Swedish Chair-

ship of the Arctic Council. The Arctic Resilience Interim Report was prepared in 2013 and the final Arctic Resilience Report was delivered under the US Chairmanship of the Arctic Council at the end of 2016 (Arctic Council Arctic Resilience Report, 2016). The aim of these reports were to generate systemic and anticipatory knowledge about linked socio-ecological systems to better inform decision making and as it is defined in Arctic Resilience Interim Report to better understand potential abrupt, threshold changes in the Arctic and the capacity of ecosystems and society to respond. Important adaptation aspects of resilience theory were discussed also in the Adaptation Actions for a Changing Arctic –AACA project (Arctic Council 2014) where a special chapter on Resilience was prepared by Marcus Carson with co-futhors.

The Arctic Council's Senior Arctic Officials (SAOs) agreed to a two-year pilot implementation of the ARAF in 2017-2019 and directed the Arctic Council's Sustainable Development Working Group (SDWG) to oversee the project. The project is an opportunity for the Arctic Council to share and highlight innovative resilience initiatives, partnerships and best practices with the international community. The pilot implementation will consist of three main activities, which were proposed in the original ARAF document:

- Develop a list of 2017-2019 "Implementing Actions" – or actions that Arctic Council States, Permanent Participants, and Working Groups are taking that address the ARAF priorities.
- Develop an inventory of indicators and assessment protocols for measuring resilience
- Organize a Arctic Resilience Forum in 2018 to promote face-to-face dialogue on resilience issues

IASSA was committed to supporting ARAF and Arctic Resilience Forum. IASSA President is a member of ARAF (since March 2018) and works closely with the ARAF team to develop the agenda and context of the 1st Arctic Resilience Forum which was held in Rovaniemi Finland 10.-11.9.2018.

The aim of this 2-day Forum organized by Ministry of Agriculture and Forestry of Finland was

First Arctic Resilience Forum: Discussion on how to build Arctic resilience by sharing of good practices (Continued)



to form a better understanding on possibilities to strengthen Arctic climate resilience and to showcase and learn from concrete best practices in the Arctic. It was held during the Arctic Council Finland presidency.

The First day of the Forum was

held in the form of the Open seminar for larger audience (resilience experts and practitioners from international, national, and sub-national level together with key policy makers and stakeholders from Arctic countries and various societal sectors). The Second day was dedicated to the Arctic Council's working groups and other key Arctic stakeholders. Its Theme was: Strengthening climate resilience through Arctic Council Working Groups – good practices and the way forward.

The First day was focused on the ARAF themes such as: Increasing the effectiveness of existing monitoring systems and including social-ecological indicators and their interactions; improving short and long-term projections for the Arctic under different future greenhouse gas emission and developing scenarios, using natural and social sciences and indigenous/Traditional Knowledge and local knowledge; expanding the documentation of adaptation responses to changing threats in the Arctic and increase the co-production of knowledge using



science, Indigenous/Traditional Knowledge and local knowledge, etc.

Tatiana Vlasova, the IASSA councilor, leading researcher from the Institute of Geography, Russian Academy of Sciences and the Chair of the IGU-CHAR Commission was invited to give a keynote speech. Her together with co-authors presentation was devoted to the necessity and ways for Resilience and Sustainable Development approaches integration through long-term sustainability monitoring in the Arctic. At the second day Andrey Petrov, the IASSA president and Tatiana Vlasova participated at SDWG session under the chair of Pekka Shemeikka.

Before the Forum on the 9th of September a very informative field trip to the forest was organized by Metsähallitus Forestry. It showed that forestry and the reindeer husbandry are socially and economically important livelihoods in northern Fennoscandia. They overlap geographically and share the natural resources provided by forests although the coexistence of these two livelihoods has not always been free from arguing and conflicts.

Photo: Arctic Resilience Forum



January 20-25, 2019 **Arctic Frontiers: Smart Arctic**

Tromsø, Norway

The Arctic Frontiers is a global scientific conference on economic, societal, and environmental sustainable growth. This year's theme will be "Smart Arctic," with a pan-arctic emphasis, and an effort to build new partnerships across nations, generations and ethnic groups. Arctic Frontiers provides a forum for dialogue and communication between science, government and industry. The plenary program will have five main sessions: State of the Arctic, Blue Growth, Smart Solutions, Bridging the Gap, and Arctic business prospects. An abstract-driven science program will address Plastics in the Ocean, the Future of Governance and Handling Vulnerability in Arctic Ecosystems, State of the Arctic and A Smart Arctic Future.

Arctic Frontiers is becoming an increasingly important arena for cross-fertilization within the Arctic science community and also a great opportunity for Arctic scientists to interact with decision makers in management and policy.

<https://www.arcticfrontiers.com/about-the-conference>

March 13-15, 2019 **10th Circumpolar Agriculture Conference: New Thinking about Local Agriculture in the Circumpolar Arctic - Best Practices, Innovations, and Perspectives**

Arctic Centre, University of Lapland, Rovaniemi, Finland

The conference is the tenth in line of international conferences organized within the framework of CAA (Circumpolar Agriculture Association), aimed at people involved in northern agriculture such as researchers, practitioners, administrators, managers, policy-makers and students. The conference will address a bottom-up approach and new thinking of local agriculture, food production and rural development in the northern areas. The goal is to open up and discuss versatile meanings of circumpolar agriculture and call for new thinking to address its topical challenges and opportunities. In accordance with the theme of Finland's Chairmanship period of the Arctic Council, UN Sustainable Development Goals will be highlighted in the program. The sessions will examine among others best practices and resilient solutions in the utilization of animal and plant resources, local breeds, reindeer herding, small-scale farming and non-timber forest products. The conference will address the high quality of arctic foods, their local profitability and business opportunities. The importance of food security and sustainability in different regions and countries will also be discussed.

The conference is hosted by the Arctic Centre, University of Lapland together with the Natural Resources Institute Finland; other co-organisers are ProAgria Lapland, Lapland University of Applied Sciences, Regional Council of Lapland and Reindeer Herders' Association.

Sessions will examine best practices and solutions in the utilization of animal and plant resources, local breeds, reindeer herding, small-scale farming, and non-timber forest products.

<https://www.ulapland.fi/EN/Events/CAC-2019>

March 13-14, 2019 14th Arctic Shipping Summit

Montreal, Canada

ACI's 14th Arctic Shipping Summit will provide insight into the future of an market that is constantly developing and advancing: number of vessels, both cargo ships and cruise ships, operating in the Arctic due to sea routes opening further and the expansion of Arctic mining and extraction projects means that the Arctic has never played a more crucial role in global operations.

The two day event will consist of a number of informative presentations followed by interactive Q&A sessions and panel discussions, bringing together key industry stakeholders including ship-owners, ship-managers & associated solution providers, coastguards and governmental transport authorities, meteorologists, consultants & technology providers. Join us in Montreal to hear from fantastic line-up of leading executives and experts the opportunities provided for ship owners and how to overcome practical challenges associated with Arctic conditions.

Key Topics Include:

- Operating Successfully in a Hostile Environment
- Overcoming Practical Challenges to Reach Polar Code Compliancy
- Freedom of Trade in the Arctic
- Coordinating Global Aims for Arctic Development
- Improving Communication Systems in the Arctic to Advance Shipping Capabilities
- Keeping Up with Growing Demand for Vessels with Icebreaking Capacity
- Shipping Opportunities Arising from Arctic Mining and Extraction Projects
- Emerging Arctic Markets and Trade Routes
- Updating Infrastructure in Line With Increasing Maritime Activity
- Developing Arctic Tourism while Ensuring the Safety of Passengers, Crew and Local Communities and Wildlife

<https://www.wplgroup.com/aci/event/arctic-shipping-summit>

April 3-7, 2019 American Association of Geographers Meeting

Washington, DC

Join fellow geographers, GIS specialists, environmental scientists, and other leaders for the latest in research and applications in geography, sustainability, and GIScience. The meeting will feature more than 6,000 presentations, posters, workshops, and field trips by leading scholars, experts, and researchers.

The registration fee includes access to: conference sessions and events; the Exhibit Hall; the International Reception; the online program and session gallery; and the AAG mobile app, which also includes the session schedule. Each attendee may only submit one abstract for presentation.

The AAG accepts all submitted abstracts and organized sessions for presentation. The registration fee must be paid prior to abstract submission. You may only submit one abstract for presentation and be a panelist in one panel session. If you opt not to submit an abstract, you may be a panelist twice. There is no limit on how many sessions you may organize.

<https://annualmeeting.aag.org/>



April 9-10, 2019 **Arctic: Territory of Dialogue**

Northern (Arctic) Federal University in Arkhangelsk, Russia

Held on a biennial basis, the 'Arctic: Territory of Dialogue' is a major platform for discussion with foreign partners of pressing issues and prospects for the development of the Arctic region.

"The International Arctic Forum has proven its role as a significant platform for open dialogue on the current Arctic agenda. Key issues for Forum participants include improving living standards for inhabitants of the Arctic region and preserving its unique environmental potential, safeguarding sustainable socioeconomic growth in the polar territories, and strengthening international cooperation with these objectives in mind", underlined Anton Kobayakov, Advisor to the President of the Russian Federation and Executive Secretary of the Forum Organizing Committee.

<https://forumarctica.ru/en>

May 22-30, 2019 **Arctic Science Summit Week (ASSW)**

Arkhangelsk, Russia

The Arctic Science Summit Week (ASSW) was initiated by IASC in 1999 to provide opportunities for coordination, cooperation and collaboration between the various scientific organizations involved in Arctic research and to economize on travel and time. Over the years the summit evolved into the most important annual gathering of the Arctic research organizations. The summit is organized by an International Coordination Group and any organization engaged in supporting and facilitating Arctic research may participate.

More information will be available soon.

<https://iasc.info/upcoming-iasc-events>

June 27-29, 2019 **International Conference** ***"Indigenous Languages and Sustainable Development in the Arctic"***

Yakutsk, Russia

This conference is organized by the Institute of Humanitarian Research and Problems of Indigenous Peoples of the North, Russian Academy of Sciences, IAS-SA and the Association of Indigenous Peoples of the North of Sakha Republic in the frames of the upcoming International Year of Indigenous Languages declared by the United Nations. Conference themes cover diverse areas of socio-economic development of Indigenous peoples of the North and Arctic.

See page 28 for more details.

Sept. 4-6, 2019 **ARCTIC FUTURES 2050: Science and Policy for a Changing Arctic**

National Academy of Sciences - 2101 Constitution Avenue, NW, Washington, DC

The Study for Environmental Arctic Change (SEARCH) announces the conference ARCTIC FUTURES 2050: Science for Policy in a Changing Arctic.

In 2019, SEARCH and partners will convene Arctic scientists and decision makers to jointly forecast Arctic research needed to inform policy in the coming decades. The conference also is intended to foster more effective and iterative collaborations among Arctic scientists and decision makers.

Watch for updates at: <https://www.searcharcticsscience.org/arctic-2050>

For more information, contact:

Brendan P. Kelly

Executive Director

Study of Environmental Arctic Change

bpkelly@alaska.edu

IASSA Working Group “Gender in the Arctic”

Conveners: Gertrude Saxinger, Rauna Kuokkanen, J. Otto Habeck,
Gunhild Hoogensen Gjörv



Queering Indigeneity: Indigenous Queer Intersections in the Arctic

Oulu, 6 September 2018, as side event of the UArctic Congress

Abstract

In the Arctic, queer identities and issues are rarely discussed in public, especially in Indigenous communities. Besides the common heteronormative discrimination in society, many Indigenous queer individuals are ostracized in their communities and as the result, relocate to more urban settings. The workshop examines these experiences and practices from both an academic and activist perspective. It presents Indigenous perspectives on queerness and interrogates assumptions of Indigenous heteronormativity. The workshop consists of three sessions: an academic panel on queer Indigenous studies, an activist panel on queer Indigenous experiences and reflections and a concluding academic-activist round table discussing the future prospects and challenges of queering Indigeneity and the need for queer Indigenous studies in the Arctic.

See all paper abstracts: gender-arctic.jimdo.com/iassc-iassa-workshop-abstracts

Session One: Academic Panel

Participants: Maureen P. Hogan, Katariina Kyrölä, Stephan Dudeck, Ryan Jimmy and Ranjan Datta, Rauna Kuokkanen

Chair: Gertrude Saxinger

Session Two: Activism Panel

Participants: Kyle Shaughnessy, Stina Roos, Alexandria Wilson, Vivian Boyne (on behalf of

Mikkel E. Mikkelsen)

Chair: Rauna Kuokkanen

Panel Discussion

Participants: Ryan Jimmy, Rauna Kuokkanen, Anne Olli, Stina Roos, Kyle Shaughnessy

Chair: J. Otto Habeck

Summary of the Panel Discussion

The Chair opened the panel discussion with a short summary of topics discussed during the two morning sessions (colonial experience; commodification of queerness/ indigenous cultural heritage; the interface of research and activism). Panellists and other workshop participants started from necessity of research on the intersectionality of queer and Indigenous and the advantages of indigenous persons conducting research on their own community. They entered then a more general discussion about research ethics: the legitimacy of researchers to study "others"; participatory research as a way forward that nonetheless also entails certain practical and ethical challenges; and the positionality of researchers. Subsequently, the discussion moved to the topic of research impact – not necessarily in the academic sense, but rather in terms of the relevance for the communities, groups and individuals "under study". Some activists among the panellists stated that mental well-being is a topic of immediate relevance, worth to be studied for the urgent need to be practically addressed. Others added that violence, suicide and other forms of (self-) harming behaviour need to be addressed. Projects and initiatives to address these issues already exist, but much more needs to be done, also in order to overcome queer indigenous persons' feelings of being isolated and powerless. While ongoing research initiatives have a focus on negative phenomena, queer Indigenous perspectives and experiences should not be exclusively interpreted as problematic: different disciplines of social sciences and humanities should also explore connotations of self-esteem and supportive forms of relatedness when studying queer indigeneity.

In the earlier sessions, there were repeated remarks about Indigenous conceptualisations of gender that differ from binary and heteronor-

IASSA Working Group “Gender in the Arctic” (Continued)

mative views on gender emanating from colonial regimes. However, as discussants pointed out, it is impossible to simply ignore or “undo” colonial discourses and influences; rather, it is necessary to acknowledge their impact and take them as points of departure to strengthen, revive and recreate Indigenous and queer forms of self-determination and social relations differing from dominant heteronormative ones. This also implies, as one participant stated, a stronger self-reflexivity of “white” researchers about the ways how colonial relations have shaped their own positions (drawing on Critical Whiteness scholarship). In addition, non-Indigenous researchers should engage more seriously with Indigenous epistemologies.

Final remarks of the panel discussion pointed to the quickly growing interest in the intersection of queer and Indigenous experience, but also emphasized that discussions on this topic are still subject to silencing and stigma in many scientific, regional and social settings. There was general agreement of participants and the audience that the topics raised entailed emotional responses, bringing up personal memories about difficult situations and simultaneously providing encouragement.

Furthermore, future activities and themes of the IASSA Working Group Gender in the Arctic were discussed. Potential topics for next workshops include: additional aspects of intersectionality, creativity and arts, masculinity, mental well-being or security.

More ideas for upcoming workshops, your willingness to conceptualise/co-host a workshop as well as contributions to a broader discussion are welcome and can be posted on: gender-arctic@lists.univie.ac.at – or get in touch with the coordination team.

Register as WG/list-member: lists.univie.ac.at/mailman/listinfo/gender-arctic

If you want to list your gender-related activities and institutions on the website of the IASSA WG Gender in the Arctic send a note to: gender-arctic.jimdo.com/gia-network

Coordination Team:

Gertrude Saxinger
Gunhild Hoogensen Gjörv
J. Otto Habeck
Katariina Kyrölä
Rauna Kuokkanen
Stephan Dudeck

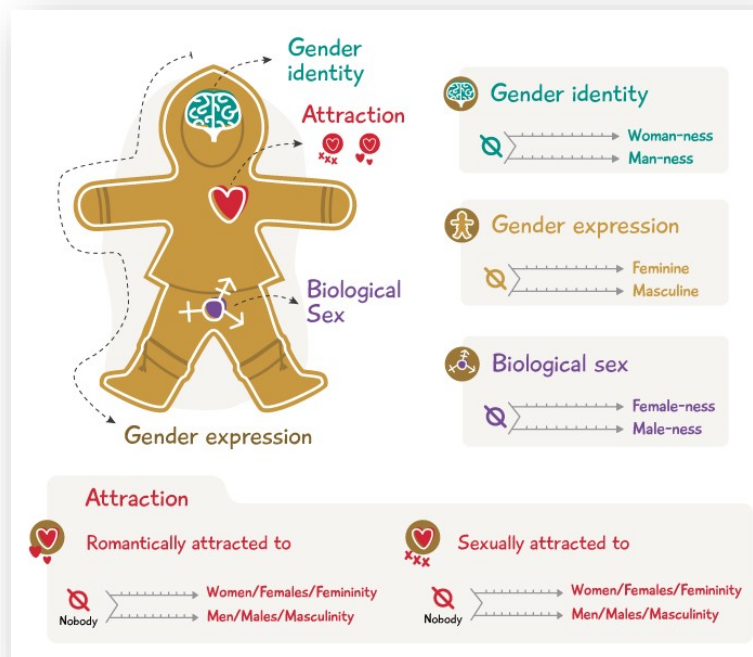


Image by
The Department
of Health of
Nunavut

Recent Conferences & Workshops

Arctic-FROST 2018 Annual Meeting

by Siobhan McTiernan, ARCTICenter, University of Northern Iowa, USA



The Arctic-FROST research coordination network is pleased to announce that the **Fifth Arctic-FROST network meeting and Early Career Scholars Workshop** has taken place in Juneau, Alaska (USA) from September 18-22, 2018.

Arctic-FROST: Arctic FRontiers Of SusTainability: Resources, Societies, Environments and Development in the Changing North is a new NSF-funded international interdisciplinary collaborative network that combines environmental and social scientists, local educators and community members from all circumpolar countries. The group aims to enable and mobilize research on sustainable Arctic development, specifically aimed at improving health, human development and well-being of Arctic communities while conserving ecosystem structures, functions and resources under changing climate conditions.

The theme of the Annual Meeting and Early Career Scholars Workshop was **Community Sustainability in the Arctic**. Papers presented at the meeting dealt with (1) Indigenous and local communities and organizations approaches to sustainable development, (2) sustainable development within policy frameworks at regional and local levels, (3) models of collabora-

tion between regional, local and Indigenous governing entities for sustainable development.

The main focus question for the conference was: **“What models of collaboration among researchers and regional and local governments and Indigenous organizations can lead to sustainable development in the Arctic?”** This workshop consisted of both presentations, discussions, and focused illustrative paper talks. The multiple panel sessions consisted of five researchers who presented their findings. Following presentations the panel regrouped to discuss and answer in-depth questions by the audience.

After all presentations were completed, an open forum round-table discussion occurred. This round-table (seen in the bottom middle picture) was designed to have all participants engage in active discussions that encompassed the topics from the presentations as well as directions for Arctic research and Arctic-FROST.

Thirteen Arctic-FROST participants were early career scholars who each were assigned a senior mentor. The workshop also featured local and Indigenous speakers, as well as visits to the regional Native corporation, local businesses and natural monuments.

This was an opportunity for many early career scholars to be engaged in discussion regarding arctic research. This meeting also allowed for participants to network with fellow Arctic researchers from different disciplines and countries. These international relationships and perspectives can foster a platform for new groundbreaking research and knowledge co-production in Arctic sustainability.



Summary Report on the 6th IPTRN Conference and Community Tour Creative Forces in the Polar Regions: Cultures, Economies, Innovations, and Change in Tourism

By Suzanne de La Barre, IPTRN Steering Committee/6th IPTRN Co-organizer (Canada)



The **6th International Polar Tourism Research Network (IPTRN)** conference and community tour took place in Whitehorse (Yukon College) and Dawson City (KIAC), Yukon (Canada) from June 22-28, 2018. The event was hosted by Vancouver Island University, and was supported with funding from the Social Sciences and Humanities Research Council of Canada (SSHRC), and the Governments of Yukon and the Northwest Territories, and brought together diverse research and community audiences for a week of learning and discussion through both structured and informal opportunities for knowledge sharing, creation, and relationship building. The 6th IPTRN focussed on heritage, culture, environment, and community economic development as they intersect with tourism and was also a celebration of the network's 10th anniversary. The 40 registered delegates included senior and emerging researchers, graduate students, and researchers from public and private sectors, Indigenous organizations and First Nations governments. Joining the registered participants through the open-to-the public five-day program were over 75 participants made up of representatives from government, arts, cultural, tourism, First Nations and other organizations, interested residents and even visitors to the territory. Twenty six papers explored how expectations toward tourism development in peripheral places contribute to the cultural wellbeing of their communities and how cultural tourism can be managed to advance economic benefits, enhance our understanding of human-nature relationships, and lead to more effective protection of the natural environment. Alongside the research sharing sessions were four community workshops, two of which were held in collaboration with the Yukon First Nations Culture and Tourism Association (YFNCT) and the Adäka Cultural Festival (<http://www.adakafestival.ca/>), a panel on polar tourism education, and a locally produced theatre

production, Hosts and Guests in Polar Places, was presented in partnership with Yukon's own Nakai Theatre. The IPTRN conference and community tour occurs every two years and brings together polar tourism researchers, students, practitioners and community members, and is typically designed to support meaningful exchange in a remote polar or sub-polar setting. Polar researchers are invited to visit www.iptrn.org and the 6th Yukon IPTRN **Outcomes Sharing** page to access the polar tourism education panel report, and video blogs of participants and guests showcasing key polar tourism related issues.

This month we'll launch the **IPTRN Knowledge Commons** web page which aims to support polar scholars and students, and diverse communities of practice. It will host a regular blog column showcasing invited polar tourism guest entries, share multimedia, and feature a "Have your say" discussion spot. It will also present the future research agenda for Polar Tourism report which was co-created by the 2018 conference and community tour participants. The agenda was formulated with the help of video "snapshots," and from insights resulting from the facilitated "Knowledge in Motion" workshop which took place on the bus between Whitehorse and Dawson City (650 kms).

Mark your calendars: The 7th IPTRN will be held in **Ushuaia, Argentina, on November 18-23, 2020:** https://youtu.be/7CNo4na_0vE. Hope to see you there! Join the conversation!



www.iptrn.org
iptrnmail@gmail.com
<https://twitter.com/PolarTourism>
<https://www.facebook.com/IPTRN>

by Dr. Suzanne de la Barre, IPTRN Steering Committee/6th IPTRN Co-organizer, Vancouver Island University, Nanaimo, BC, Canada, email: Suzanne.delaBarre@viu.ca

Recent Conferences & Workshops

The 2nd Arctic Biodiversity Congress

By Tatiana Degai, Postdoctoral Scholar, University of Northern Iowa

November 9-12 indigenous experts, scholars, representatives of various industries, government officials, policy-makers and civil society - 460 participants from 26 countries met in Rovaniemi to discuss the future of the Arctic. Arctic Biodiversity Congress was held the second time and was organized by the Conservation of Arctic Flora and Fauna working group of the Arctic Council in partnership with the Ministry of the Environment, Finland. The main goal of the Congress was to provide a platform for an effective dialogue to those interested in conservation of Arctic and offer policy recommendations on the main six critical to Arctic sustainability themes: climate change, ecosystem-based management, mainstreaming biodiversity, addressing stressors, identifying and safeguarding important areas, and improving knowledge and public awareness.

In his opening statement the President of the Republic of Finland Sauli Niistö referred to the recent Report of the International Panel on Climate Change which states that the world temperature raised 1.5 degrees. Mr. Niistö stressed that there is still a chance to keep the balance on Earth and invited all Arctic countries to stop black carbon emissions and decrease reliance on heavy oil.

Within the Congress Ministers of the Environment of the eight Arctic States, six indigenous Permanent Participant organizations, six Arctic Council Working Groups, Arctic Council Observers including IASSA gathered at the Arctic Environment Ministers' Meeting to discuss the challenges of the Arctic and look for

common solutions. The Ministers shared the policies of their countries that strive to solve various environmental issues stressing attention on the emerging issues of microplastic in the oceans, the need to transfer to the circular economy, the need to reduce the emissions of black carbon, the importance of joining to Minamata Convention on Mercury and other urgent environmental issues. Indigenous leaders at the table emphasized the crucial importance to indigenous knowledge in the discussion of the sustainable development as well as recognition of the rights of indigenous peoples in planning the future of the Arctic.

Arctic Youth Summit was organized as a parallel event of the Congress. The youth voiced their concerns they face in their Arctic homes and called to step up in solving sustainability issues. As a part of their statement the participants of the Summit developed the Arctic Youth Summit Rovaniemi Declaration which they delivered to the Ministers of the Arctic states.

The growing interest to coproduction of knowledge that takes expertise from both indigenous knowledge and western science had a strong visibility during the Congress discussions. The Congress participants agreed that there is enough knowledge on what should be done to mitigate the environmental challenges in the Arctic and it is time to take action. A full report from the Congress is available at:

<http://enb.iisd.org/download/pdf/sd/enbplus88num14e.pdf>

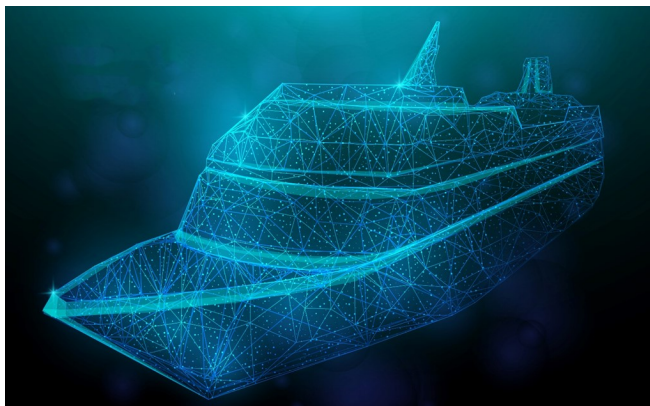


L-R: Moderator Martin Breum; Tasha Elizarde, Arctic Youth Ambassador, US; Gunn-Britt Retter, Saami Council; Mike Gill, Group on Earth Observations Biodiversity Observation Network (GEO BON); and Vladimir Kattsov, Director, Voeikov Main Geophysical Observatory

Recent Conferences & Workshops

The Baltic Sea Region - A Science Powerhouse

by Zane Šime, Communication and Research Coordinator for Council for Baltic Sea States



On 26 November 2018, **Baltic Science Network** (<http://www.baltic-science.org/>) and **Baltic TRAM** (<https://www.baltic-tram.eu/>) in cooperation with Science|Business hosted a conference “**The Baltic Sea Region - A Science Powerhouse**” (<https://sciencebusiness.net/events/baltic-sea-region-science-powerhouse>) at the Solvay Library in Brussels. As the title clearly states, the primary focus of this conference was on the Baltic Sea Region and its research potential, as well as its future research advancement options from a broader European Union perspective. Nevertheless, all Northern Notes readers interested in joining future Baltic Science Network and Baltic TRAM discussions on the European science and innovation governance are encouraged to register for the **Baltic Science Network Closing Conference and the CBSS Baltic Sea Science Day 2019** (http://www.cbss.org/event/cbss-baltic-sea-science-day-2019/?instance_id=1488).

Due to the outstanding diversity of speakers (representing various governance levels and institutions), the attendants of the event were exposed to a great variety of perspectives on what the future holds for the research cooperation across a significant number of science domains, including fresh insights on the effects of brain drain – a process conducive to establishing new connections between research and higher education institutions across Europe.

Remarks expressed during the conference helped Baltic Science Network and Baltic TRAM in its joint attempts to address the question on how to align existing and upcoming innovation policy and R&D activities by operating in transnational structures. The benefits of joint re-

search initiatives, as well as cooperation in the frame of research and science was discussed by such distinguished speakers as **Jean-Pierre Bourguignon**, President of the European Research Council, **Signe Ratso**, Deputy Director-General, Directorate-General for Research and Innovation of the European Commission, and **Christian Müller**, Deputy General Secretary of the German Academic Exchange Service (DAAD), **Dr. Rolf Greve**, Director-General at the Ministry of Science, Research and Equalities of the Free and Hanseatic City of Hamburg, **Jurgita Petrauskienė**, Lithuanian Minister of Education and Science, as well as **Robert Feidenhans'l**, Chairman of the European XFEL Management Board.

The event explored various instruments how



innovation could be unlocked by strengthening collaborative actions and securing a workable framework of macro-regional collaboration between science and industry, and what actions are needed to better link research expertise to concrete industrial needs. Smart specialisation and widening participation measures of the EU Framework Programme were some of the appraised means for such continuous efforts. Finally, the event investigated how public and private sectors can join forces to enhance macro-regional prosperity and growth.

Both Baltic Science Network and Baltic TRAM are also discussed next to certain examples emanating from the Arctic areas in the **EL-CSID** (<https://www.el-csid.eu/>) Working Paper 19 “**Council of the Baltic Sea States: The Role of a Sustainable and Prosperous Region in Bringing Science Diplomacy Forward**” published in July 2018. (https://docs.wixstatic.com/ugd/7dd3ca_6f7f6a0617764ae2a6f57922e3de0f29.pdf)

Study of Environmental Arctic Change (SEARCH) Program Announcements

By Brit Myers, Project Manager, Arctic Research Consortium of the U. S. (ARCUS)

SEARCH is a collaborative program of Arctic researchers, funding agencies, and others that facilitates synthesis of Arctic science and communicates our current understanding to help society respond to a rapidly changing Arctic. SEARCH currently focuses on how shrinking land ice, diminishing sea ice, and degrading permafrost impact Arctic and global systems. The convening power of SEARCH enables SEARCH's interdisciplinary action teams, as well as the wider Arctic research community, to listen to and inform agencies, policy- and decision-makers, and Arctic residents.



ARCTIC FUTURES 2050: Science to Inform Decisions

Location: National Academy of Sciences, Washington, D.C

Dates: 4-6 September 2019

<https://www.searcharcticscience.org/arctic-2050>

This conference will convene Arctic researchers from all disciplines, Indigenous knowledge holders, and decision makers to collaboratively explore questions such as:

- * What do we currently know (and don't know) about the changing Arctic and why it matters?
- * What challenges confront decision-makers in the rapidly changing Arctic?
- * What basic research (e.g., process studies) is needed to inform responses to Arctic change?
- * What applied research (e.g., impact studies) is needed to inform responses to change?
- * What tools can facilitate informing decision making with science?
- * What opportunities exist for partnerships between decision makers and scientists?

Join the SEARCH mailing list ([https://](https://www.searcharcticscience.org/mailling-list)

www.searcharcticscience.org/mailling-list) to receive updates on conference details as they become available.

SEARCH Arctic Answers Briefs

SEARCH is developing a library of "Arctic Answers", where Policy-relevant questions are answered in 1–2 page briefs written by experts and posted online at:

<https://www.searcharcticscience.org/arctic-answers>.

Each brief is the top of a "knowledge pyramid" supported by scientific literature organized in underlying tiers of increasing detail.

To suggest a topic for a new brief or to volunteer to serve as a brief contributor, please contact Brendan Kelly (bpkelly@ualaska.edu).

SEARCH Community Listening Sessions

SEARCH is seeking input from past, present, and future members of its community on how SEARCH might serve to advance Arctic research synthesis and engagement in the coming decades, and what coordination of research and communication is needed. Input from the broader community through a series of virtual web meetings, an American Geophysical Union Fall Meeting Town Hall, and other venues will inform SEARCH's planning efforts.

Please watch the [SEARCH website](https://www.searcharcticscience.org) (<https://www.searcharcticscience.org>) for updates on the virtual meeting schedule or join the SEARCH email list (<https://www.searcharcticscience.org/mailling-list>) to receive meeting announcements.

For more information about SEARCH, please visit www.searcharcticscience.org, or contact: Brendan P. Kelly (bpkelly@alaska.edu).

The EU-PolarNet White Papers: Five priority areas for future polar research

By Kristina Bär And Nicole Biebow



EU-PolarNet has published five polar white papers, which outline societal relevant topics for future polar research. Together with 50 international polar experts from diverse backgrounds, the consortium of the H2020 funded coordination and support action has developed these papers in an inter- and transdisciplinary effort. They build upon a desktop study of national and international polar strategies and on the answers from more than 500 participants to a public online survey. The white papers aim at giving the European Union and national research agencies guidance, which research themes are of high importance to advance in the understanding of the ongoing change in the Polar Regions. They also form the basis for the Integrated European Polar Research Programme EU-PolarNet is currently working on.

What are the most important topics in relation to your work and/or everyday life in the Polar Regions that should be solved by future research? You might have answered this question some 18 months ago, when EU-PolarNet invited the wider polar community to share its view on future research needs. In total, more than 500 people provided close to 1300 priorities and polar issues that polar research should take up.

The survey answers were categorized in five overarching themes: climate and cryosphere;

polar biology, ecology and biodiversity; sustainable resources and human impact; people and

societal issues; and new technology. These themes are based on a large desktop study the EU-PolarNet consortium conducted, analysing international and national polar strategies and identifying reoccurring priority areas for research and policies.

In order to carve out reoccurring issues from the hundreds of answers and to merge them into interdisciplinary research topics, EU-PolarNet convened a team of 50 carefully selected polar experts from 16 countries for a white paper workshop, which took place in September 2017 in La Cristalera, Spain. This team drew participants from many areas of polar research, as well as representatives from business and Arctic local and indigenous communities.

To leverage the experts' different knowledge systems, the workshop facilitated cross-fertilization and co-creation from the beginning. The result is thus a set of white papers that step outside traditional disciplinary boundaries, to an extent that the workshop participants came to call a 'post-disciplinary' approach. Each white paper is designed to deliver tangible benefits to problems that arise in the Polar Regions, tackling issues from complex interactions of a changing physical environment, to stressed ecosystems, issues of sovereignty and governance, and multifaceted cultural and social structures.

The themes of the five white papers are:

1. The coupled polar climate system: global context, predictability and regional impacts
2. Footprints on Changing Polar Ecosystems: Processes, Threats, Responses and Opportunities for Future Generations
3. Managing human impacts, resource use and conservation of the Polar Regions
4. The Road to the Desired States of Socio-ecological Systems in the Polar Regions
5. Advancing operational informatics for Polar Regions

The EU-PolarNet White Papers: Five priority areas for future polar research (continued)

By Kristina Bär And Nicole Biebow

Besides transcending traditional disciplinary boundaries, each white paper also takes a polar approach, meaning they look at issues that are of importance to both the Arctic and Antarctic. Furthermore, during the development of the papers, clear common threads emerged. For example, the urgent requirement to create standardised metrics, or 'indicators', of change for the Polar Regions. The experts had identified that there are many aspects for which measurements are sparse, poorly standardised and too short in duration to allow us to discriminate trends from variability. This is particularly true for ecosystems and socio-cultural change.

Another common thread in the white papers is their emphasis on strong international circum-polar and interdisciplinary collaboration. They call for significant efforts and resources for capacity building, including education and outreach as well as better coordination of research infrastructure. Moreover, they acknowledge that stake- and rights-holders in the Arctic and Antarctic need to be included at an early stage of the proposed research as it fundamentally draws on their perspectives, motivations and values.

The EU-PolarNet white papers will now be handed over to the European Commission and are meant to give the European Union and national research agencies guidance as to which research themes are of high importance to advance in the understanding of the ongoing change in the Polar Regions. They are also building the basis for an Integrated European Polar Research Programme, which EU-PolarNet has been tasked to develop jointly with international researchers, stake- and rights-holders.

To read the summaries and full EU-PolarNet white papers, please visit:

www.eu-polarnet.eu

For more information about the white papers and/or the Integrated European Polar Research Programme, please get in touch info@eu-polarnet.eu



Opportunities

Thesis-based Master-level Student Opportunity for Inuit Health Research



**UNIVERSITY OF
ALBERTA**

A CIHR-funded research team using Inuit traditional knowledge to identify Inuit health indicators for a prospective Wellness Court in Nunavut is seeking a student to undertake a Master-level thesis-based degree in a subject area related to the project. The degree will be in Public Health or Rehabilitation Science and will be undertaken at the University of Alberta in Edmonton, Canada.

If the successful candidate chooses to undertake an MSc in Public Health, the student will be admitted into the program in January or September 2019. A January 2019 start date is preferred. For information about admissions to the School of Public Health see here: <https://www.ualberta.ca/public-health/programs/admissions> and for the Msc program see here: <https://www.ualberta.ca/public-health/programs/msc-programs>

Meanwhile, if the successful candidate chooses to pursue an MSc in Rehabilitation Science, the student will be admitted into the program in May or September 2019. A May 2019 start date is preferred. For information about admissions to the Faculty of Rehabilitation Medicine see here: <https://www.ualberta.ca/rehabilitation/programs/msc-in-rehabilitation-science>

A funding package will be offered to the successful candidate for up to 2 years. The successful candidate will also be expected to apply for external funding.

For more information, please contact Dr. Priscilla Ferrazzi, Primary Investigator at ferrazzi@ualberta.ca.

CFP: International Conference

“Indigenous Languages and Sustainable Development in the Arctic” June 27-29, 2019, Yakutsk, Russia

This conference is organized by the Institute of Humanitarian Research and Problems of Indigenous Peoples of the North, Russian Academy of Sciences, International Arctic Social Sciences Association (IASSA) and the Association of Indigenous Peoples of the North of Sakha Republic in the frames of the upcoming International Year of Indigenous Languages declared by the United Nations. Conference themes cover diverse areas of socio-economic development of Indigenous peoples of the North and Arctic: written languages of Russia: contemporary state and functionality questions; Yakut language: contemporary state and new dimensions in the research; languages of Indigenous Peoples of the North and Arctic: issues of interaction and language typology; traditional epistemologies and indigenous languages; indigenous languages in the epoch of globalization: tendencies and perspectives of development, successful and effective practices of indigenous communities in language revitalization and maintenance; literature and folklore as sources of safeguarding and enrichment of indigenous languages; ethnic history of Indigenous Peoples of the North and Arctic: past, present and future; current issues related to traditional knowledge of Indigenous Peoples as the basis of their sustainable development; the role of contemporary technologies and mass media in revitalization and development of Indigenous languages.

The deadline for abstract submissions is March 1, 2019 via E-mail: inip@ysn.ru. fax: (4112) 35-49-96, 36-01-97. In the e-mail subject please put “Conference”. The application should include: name of the participant, title of the paper, organization/place of work, position, academic title, contact phone number, contact e-mail. There is no registration and publication fee.

Conference working languages: Russian, English.

Opportunities

Multiple Opportunities!

For PhD students, arctic researchers, and IASSA members!



Durham Arctic Programme

The **DurhamARCTIC** programme (<http://www.dur.ac.uk/arctic>), which already is funding four PhD students at Durham, has money to support another six students entering this year and five more entering in Autumn 2020. Students get their degrees in “traditional” disciplines (i.e. it’s not an interdisciplinary Arctic Studies degree) but there’s extra cross-disciplinary programming, as well as extra funds for students to engage in Arctic fieldwork, placements, etc. We can only cover the EU portion of tuition fees, so this is a particularly good opportunity for students from EU countries, although non-EU students are eligible if they cover the non-EU surcharge. Applications for students entering in Autumn 2019 is 15 January 2019. For more information, see <https://www.dur.ac.uk/arctic/applying/>.

If you presently have PhD students or junior colleagues pursuing research in an Arctic field,

encourage them to apply for funding to attend one of the annual DurhamARCTIC summer schools. The 2019 summer school will be held 25-28 April. I know, that’s not ‘summer’ (and it’s certainly not summer in the Arctic), to we’re holding it then so as to coincide with the final conference of the Durham-based **ICE LAW Project** (<http://icelawproject.org/>). Information on the 2019 summer school, including details for applying for a student bursary, can be found at <https://www.dur.ac.uk/arctic/conference/>. Applications for the 2019 summer school are due 31 January 2019 and for this we’re keen to fund students from outside the EU. We have funds for up to 14 Early Career Researchers (defined as PhD students or individuals who have received their PhD in the past three years).

And finally, likely of particular interest to IASSA members is the final conference of the **ICE LAW Project** (25-27 April in Durham). For the past three years, the Project, and its various working groups, have been holding small workshops and community meetings to investigate the potential for a legal framework that acknowledges the complex geophysical environment in the world’s frozen regions and to explore the impact that an ice-sensitive legal system would have on topics ranging from the everyday activities of Arctic residents to the territorial foundations of the modern state. Although part of the conference will include reflections from subproject leaders, we’re specifically looking for input (including paper presentations) from individuals who have not been involved to date with the project. Abstracts are due by 15 January 2019 and should be emailed to:

ice.law@durham.ac.uk.

More information on the conference is available at <https://icelawproject.org/2018/10/15/call-for-papers-conference-announcement-ice-law-final-conference-april-2019/>.

DurhamARCTIC
Arctic Research Centre for Training and Interdisciplinary Collaboration

Opportunities



sustainability

CALL FOR PAPERS

Special Issue "Monitoring Arctic Sustainability: Methods, Indicators, Monitoring Systems and Experiences"

Special Issue Editors

Guest Editor

Prof. Dr. Andrey N Petrov

Arctic, Remote, and Cold Territories, Interdisciplinary Center (ARCTICenter) and Department of Geography, University of Northern Iowa

<https://sites.uni.edu/apetrov/>

Email: andrey.petrov@uni.edu

Phone: (319) 273-6245

Guest Editor

Dr. Tatiana Vlasova

Institute of Geography, Staromonetnyi pereulok 29, Moscow 119017, Russia

<http://tatiana.vlsv@gmail.com/>

Interests: arctic sustainability, Arctic communities, sustainability indicators, benefit sharing, corporate social responsibility, extractive industries, indigenous peoples, governance of natural resources

Special Issue Information

Dear Colleagues,

The Arctic is among the world's regions most affected by ongoing and increasing cultural, socioeconomic, environmental, and climatic changes. In this context, the sustainability of Arctic social-ecological systems has become a point of increased interest and attention among scholars. This Special Issue focuses on conceptual and practical approaches,

methodologies, and experiences in defining, measuring, and monitoring sustainability in the Arctic regions and communities. The papers will deal with qualitative and quantitative measurement systems, indicators, observing networks, and other monitoring options devoted to tracing sustainability as both a process and outcome. Monitoring could focus on natural, economic, social, or cultural aspects of social-ecological systems with the aim to assessing the vulnerability, resilience, adaptive capacity, and overall sustainability of these systems. The development of such monitoring frameworks is especially relevant as Arctic communities embark on implementing sustainability-driven projects, including the application of the UN SDGs, the development of climate change adaptation and community resilience strategies, ecosystem stewardship principles, etc. By directing attention to sustainability monitoring, the issue will expand the knowledge base on sustainability and sustainable development in the Arctic, as well as indicators and best practices of sustainable development.

1. Petrov, A.N.; BurnSilver, S.; Chapin III, F.S.; Fondahl, G.; Graybill, J.K.; Keil, K.; Nilsson, A.E.; Riedlsperger, R.; Schweitzer, P. Arctic Sustainability Research: Past, Present and Future; Taylor & Francis Group Ltd: Oxford, OX14 4RN, UK, 2017.
2. Chapin III, F.S.; Carpenter, S.R.; Kofinas, G.P.; Folke, C.; Abel, N.; Clark, W.C.; Ols-son, P.; Smith, D.M.S.; Walker, B.; Young, O.R.; Berkes, F. Ecosystem stewardship: sustainability strategies for a rapidly changing planet. *Trends Ecol. Evol.* 2010, 25, 241–249.
3. Vlasova, T.; Petrov, A.; Volkov, S. Arctic Sustainability Monitoring within the International collaboration on Arctic Observing and Research for Sustainability. *Arctic Herald* 2017, 20, 124–131.

Manuscript Submission Information

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Keywords

- * Arctic
- * Sustainability
- * Monitoring
- * Indicators
- * Resilience
- * Adaptation

Published Papers

This special issue is now open for submission.

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Impact Factor: 2.075 (2017) ; 5-Year Impact Factor: 2.177 (2017)

New Website

PROJECT WEBSITE LAUNCH <http://www.arcticcorridors.ca/>

Arctic corridors and northern voices: research for policy on shipping governance in Arctic Canada

By: Jackie Dawson (Principal Investigator) and Natalie Carter (Community Research Lead)



Arctic shipping traffic in Canada has almost tripled since 1990. The Government of Canada has embarked on a project under the Oceans Protection Plan to develop a network of low-impact marine transportation corridors in the Arctic that encourages marine transportation traffic to use routes that pose less risk and minimize the impact on communities and the environment. The Low Impact Shipping Corridors will be a framework to guide future federal investments to support marine navigation safety in the North in partnership with Northerners.

The Arctic Corridors Research Project:

1. developed a long-term geo-spatial ship track database (1990 - present) for Arctic Canada,
2. documented Inuit-identified Culturally Significant Marine Areas (CSMAs), and
3. identified management options for the low impact shipping corridors in three Canadian Arctic regions.



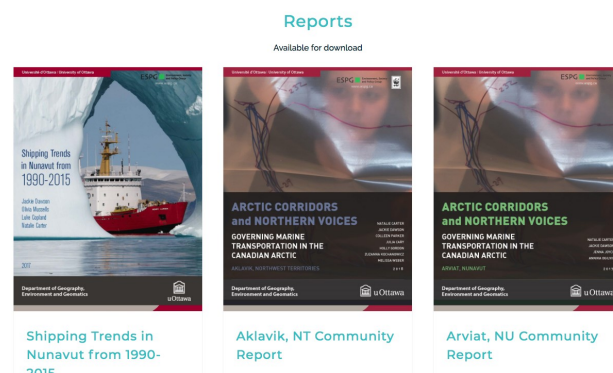
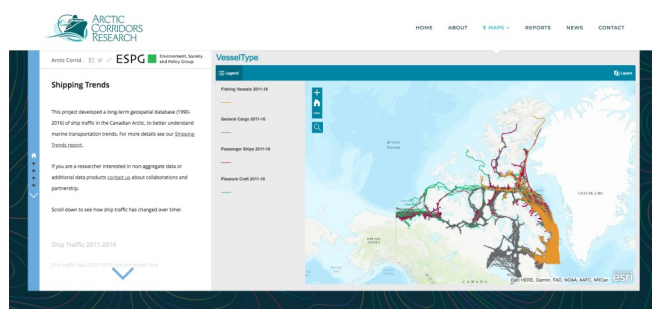
Arctic community members documenting culturally significant marine areas



Example of potential low impact shipping corridors

New in October 2018! www.arcticcorridors.ca is live! Our website provides:

- online, interactive maps of shipping trends, culturally significant marine areas & low impact shipping corridors management options;
- downloadable shipping trends, community reports, and maps;



- community members, Inuit organizations, policy makers, and researchers with Inuit and Northern perspectives about marine vessel traffic; and
- data for evidence-based decision-making for marine vessel management that includes Inuit and Northern voices.

If you are interested in project results, data, or want additional information contact jackie.dawson@uottawa.ca.

Generous supporters: Community partners, research participants, community researchers; ArcticNet, Canadian Coast Guard, Canadian Hydrographic Service, Canadian Ice Service, ClearSeas, Fisheries and Oceans Canada, Irving Shipbuilding Inc., MEOPAR, Nunavut Arctic College, Oceans North, Parks Canada, Polar Knowledge Canada, SSHRCC, Transport Canada, WWF-Canada

The University of the Arctic's Northern Nursing Education Network has published an Open Education Resource on "Northern and Indigenous Health and Health Care"

The peer-reviewed volume features 38 short chapters, contributed by 51 experts from 7 Arctic states, on five themes:

- Community Health in Northern and Indigenous Communities
- Social Determinants and Structural Impacts on Northern and Indigenous Health
- Culture and Health
- Innovations in Northern Health Care
- Professional Practice in Northern and Indigenous Communities

You can access the Open Access resource at:

<http://www.northernnursingeducation.com/open-education-resource/>



NORTHERN AND INDIGENOUS HEALTH AND HEALTHCARE

Editors: Heather Exner-Pirot, Bente Norbye, and Lorna Butler

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<http://www.northernnursingeducation.com>



Arctic Yearbook 2018, launched November 1st

The Arctic Yearbook 2018 is now online at <https://arcticyearbook.com>!

This year's Arctic Yearbook focuses on the theme of *Arctic Development: In Theory and In Practice*. It includes 33 peer-reviewed, scholarly articles, paired with 7 Briefing Notes, divided into six thematic sections:

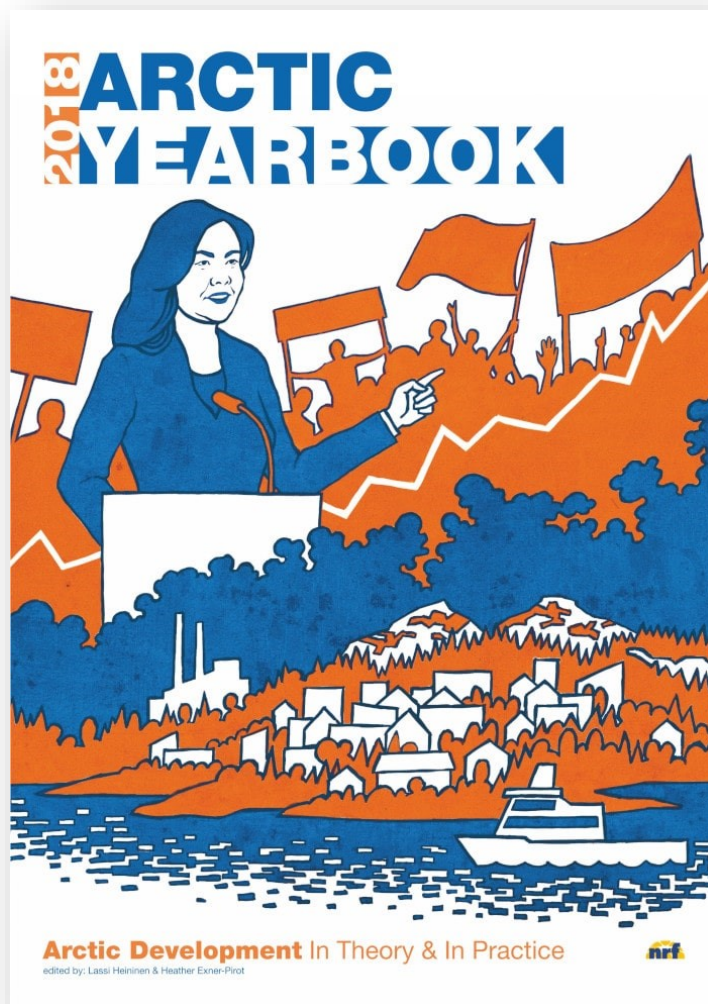
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2. Finding Sustainability in Development
3. Research, Education & Arctic Development
4. Governance & Regulation of Arctic Energy Installations
5. Russian Arctic Development & the Environment
6. The Polar Silk Road & Arctic Maritime Development

In addition, for the first time we have published a guest edited Special Section, on *China & the Arctic*, available at:

<https://arcticyearbook.com/arctic-yearbook/2018/china-the-arctic>

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The Politics of Sustainability in the Arctic: Reconfiguring identity, space and time

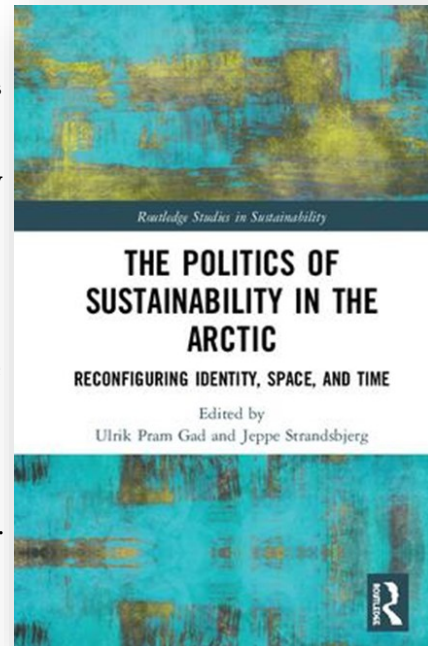
Editors: Ulrik Pram Gad & Jeppe Strandsbjerg
Publisher: Routledge
Publishing Year: 2018
ISBN: 9781138491830

<https://www.routledge.com/The-Politics-of-Sustainability-in-the-Arctic-Reconfiguring-Identity-Space/Gad-Strandsbjerg/p/book/9781138491830>

The Politics of Sustainability in the Arctic argues that sustainability is a political concept because it defines and shapes competing visions of the future. In current Arctic affairs, prominent stakeholders agree that development needs to be sustainable, but there is no agreement over what it is that needs to be sustained. In original conservationist discourse, the environment was the sole referent object of sustainability, however, as sustainability discourses expand, the concept is linked to an increasing number of referent objects, such as, society, economy, culture and identity. The book sets out a theoretical framework for understanding and analysing sustainability as a political concept, and provides a comprehensive empirical investigation of Arctic sustainability discourses. Presenting a range of case studies from Greenland, Norway,

Canada, Russia, Iceland and Alaska, the essays in this volume analyse the concept of sustainability and how actors are employing and contesting this concept in specific regions within the Arctic.

In doing so, the book demonstrates how sustainability is being given new meanings in the postcolonial Arctic and what the political implications are for postcoloniality, nature, and development more broadly.



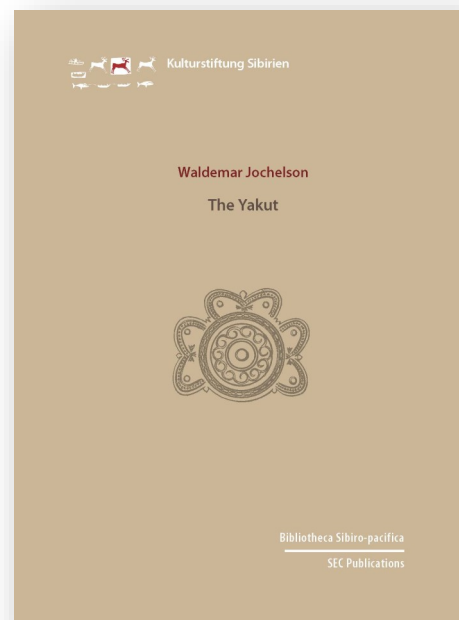
The Yakut

Author: Waldemar Jochelson
Editors: Michael Dürr and Erich Kasten
Published by: Kulturstiftung Sibirien,
Fürstenberg/Havel
Publication year: 2018
pages 253 pp.
ISBN: 978-3-942883-92-4

http://www.siberian-studies.org/publications/jochyakut_E.html

As the first profound anthropological descriptions of that region, the publications of the Jesup North Pacific Expedition, undertaken in the first years of the 20th century, marked the beginning of a new era of research in Russia. Jochelson's work *The Yakut*, for which he also draws on results of his earlier fieldwork in that area, was an important milestone for Russian and North American anthropology that provides to this day a unique contribution to thoroughly understanding the cultures of northeastern Siberia. New edition of the monograph from 1933, with a foreword by

Tat'iana Argounova-Low: Incidental Ethnography: Waldemar Jochelson and his monograph *The Yakut*.

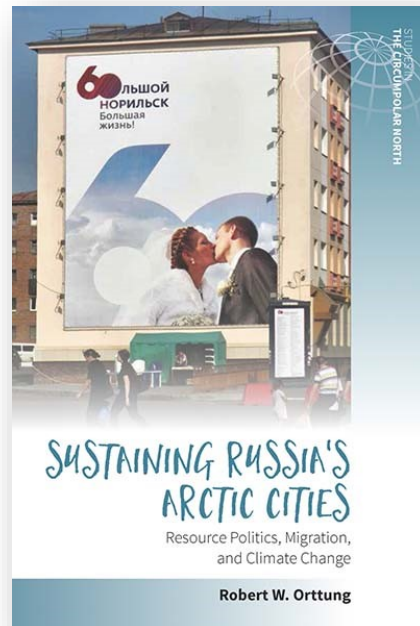


Sustaining Russia's Arctic Cities Resource Politics, Migration, and Climate Change

Editor: Robert Orttung
Publisher: Berghahn
Publishing Year: 2018 (Pb)
ISBN: ISBN 978-1-78533-842-7

<https://www.berghahnbooks.com/title/OrttungSustaining>

Urban areas in Arctic Russia are experiencing unprecedented social and ecological change. This collection outlines the key challenges that city managers will face in navigating this shifting political, economic, social, and environmental terrain. In particular, the volume examines how energy production drives a boom-bust cycle in the Arctic economy, explores how migrants from Muslim cultures are reshaping the social fabric of northern cities, and provides a detailed analysis of climate change and its impact on urban and industrial infrastructure.



Critical Geopolitics of the Polar Regions: An Inter-American Perspective

Author: Dorothea Wehrmann
Publisher: Routledge
Publishing Year: 2018
ISBN: 9781138485815

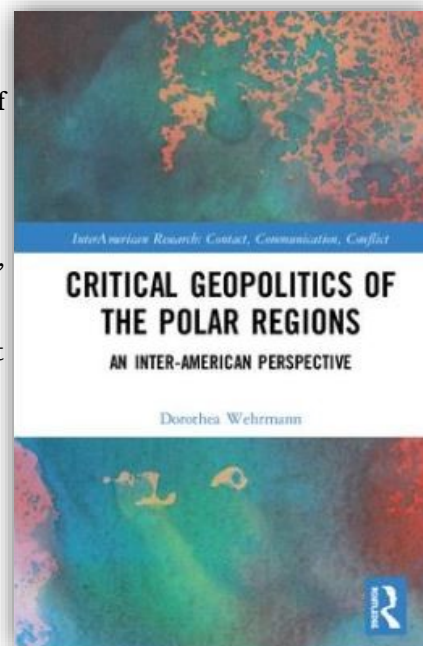
<https://www.routledge.com/Critical-Geopolitics-of-the-Polar-Regions-An-Inter-American-Perspective/Wehrmann/p/book/9781138485815>

Focusing on both Polar Regions, this book provides a comprehensive understanding of political processes related to the rapidly changing Arctic and Antarctic, where the environmental impacts of human activities are extremely visible.

Environmental changes in the Arctic and the Antarctic are increasingly seen as barometers of the global impact of human activities, while newly arising economic opportunities in both Polar Regions prompt predictions that they will be the site of future conflicts. This book maps and analyses the different actors involved in the politics of the Polar Regions to explain why similar patterns of interpretation of such major issues have become dominant in practical, popular and formal geopolitical discourses. Disentangling the politics, the author illustrates how the ordering principles have evolved, explains recent dynamics in political processes

and provides the groundwork needed to better forecast future trends. By focusing on the Americas, the only continent that borders both Polar Regions, the author shows how geographic proximity inspires interaction and cooperation among state and non-state actors in very different ways.

This volume will be of interest to scholars and students of political science, political geography, international relations, global governance and cultural studies. It will have an international appeal particularly in the Americas, and other countries with growing interests in the Polar Regions.





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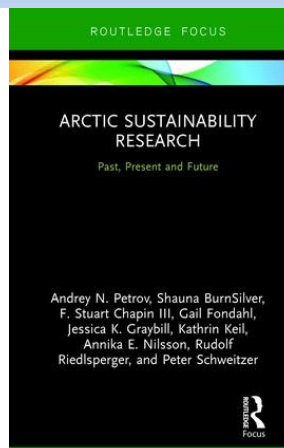
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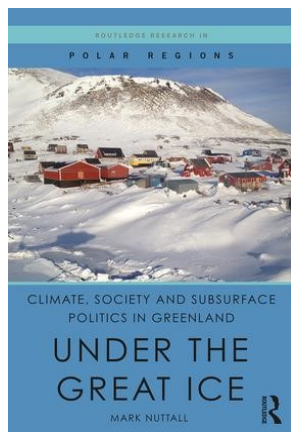


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Andrey Petrov
President
Director, ARCTICenter
Department of Geography
University of Northern Iowa
Cedar Falls, Iowa, USA
✉ andrey.petrov@uni.edu



Peter Sköld
Ex-officio (Outgoing President)
Director
Arctic Research Centre
(Arcum) at Umeå University
Umeå University
SE-901 87 Umeå, Sweden
✉ peter.skold@umu.se



Dmitry Funk
Professor and Chair
Department of Ethnology
Moscow State University
and Tomsk State University,
Russia
✉ d_funk@iea.ras.ru



Diane Hirshberg
Professor of Education Policy
Institute of Social and Economic Research
University of Alaska Anchorage
✉ dbhirshberg@alaska.edu



Michał Łuszczuk
Assistant Professor
Maria Curie Skłodowska University in Lublin, Poland
✉ michal.luszczuk@poczta.umcs.lublin.pl



Gertrude Saxinger
Assistant Professor
Cultural and Social Anthropology, University of Vienna and
Austrian Polar Research Institute Universitaetsstr. 7
C412, 1010 Vienna, AT
✉ gertrude.eilmsteiner-saxinger@univie.ac.at



Gary Wilson
Professor,
Department of Political Science University of Northern
British Columbia (UNBC)
Prince George, BC, Canada
✉ gary.wilson@unbc.ca



Alona Yefimenko
Technical Advisor
Arctic Council Indigenous Peoples' Secretariat
Copenhagen, Denmark
✉ ay@arcticpeoples.org



Tatiana Vlasova
Senior Researcher
Institute of Geography
Russian Academy of Sciences
Moscow, Russian Federation
✉ tatiana.vlsv@gmail.com

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c/o ARCTICenter,
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Website: www.iassa.org

E-mail: andrey.petrov@uni.edu

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Editors

