

Arctic Oil and Gas Research Centre  
Ilisimatusarfik, Greenland



## FINAL REPORT ON ACTIVITIES 2016-2018

### 1. The Creation of the Arctic Oil and Gas Research Centre

The Centre was opened formally at Ilisimatusarfik (the University of Greenland) on 16<sup>th</sup> March 2016. Its name in Greenlandic is *Issittumi uuliamik gassimillu Immikkoortortaqarfik* and in Danish, *Forskningscentret for Arktisk Olie og Gas*. The Centre operates within the Institute of Social Sciences, Economics and Journalism at Ilisimatusarfik. The Centre commissioned a logo in April 2016 by Greenlandic artist Ivalu Risager.

### 2. Staffing

The Directors of the Centre were Professor Anne Merrild Hansen and Professor Rachael Lorna Johnstone. Professors Hansen and Johnstone were both employed by Ilisimatusarfik as of 1<sup>st</sup> January 2016 for a three year period to conduct research, teach at the University, supervise graduate student research projects, contribute to curriculum development, and promote the University within Greenland and abroad.

Birger Poppel and Mark Nuttall, both of the Institute of Social Science, Economics & Journalism were Members of the Centre, in which capacity they offered constructive feedback on research projects, grant applications, etc.

Through 2016, the Directors reported to Mette Sonniks who assisted with administration and planning for the Centre. Gestur Hovgaard was appointed Head of the Institute of Social Science, Economics & Journalism, following the departure of Mette Sonniks at the end of 2016. The Directors reported thereafter directly to Professor Hovgaard.

During September and October 2016, Laila Egede Ignatiussen provided secretarial support to the Centre.

The Centre commissioned translators on an *ad hoc* basis to translate information into Greenlandic for publication and outreach.

### 3. Doctoral students

Between 2016 and 2018, three Ilisimatusarfik PhD students were associated with the Centre, all of whom are supervised by Professor Hansen. Anna-Sofie Hurup Skjervedal, successfully defended her PhD at Ilisimatusarfik on 29 August 2018. Parnuna Egede is expected to defend in 2019 and Naja Carina Steenholdt began in 2018.

### 4. Principal Objectives of the Arctic Oil and Gas Research Centre

During early meetings with colleagues at Ilisimatusarfik and in light of the terms of their employment contracts, the Directors identified the research priorities of the Centre. First and foremost, the Centre would conduct interdisciplinary research on the social and economic impacts of hydrocarbon and other large-scale resource developments in the Arctic. The academic fields of most pertinence are economics, political science, social anthropology, law, international relations and critical geography. The Centre also sought to incorporate and integrate indigenous knowledge as appropriate.

From the Greenland base, it sought out research partners in other Arctic countries or who are otherwise involved in Arctic-related research on large-scale extraction activities. Research was conducted at an individual level by the Centre Directors and Members as well as collaboratively in research teams. External funding was sought to facilitate the expansion of the Centre's research activities.

The Centre sought views from local community members, government representatives, oil and gas companies and NGOs as well as academics as it develops its research agenda, in particular, in its first year of operation. During 2016, the Directors met with, *inter alia*, representatives from the following institutions to discuss the Centre's development and research agenda: Ilisimatusarfik; the Government of Greenland; the Greenland Institute of Natural Resources; the Geological Survey of Denmark and Greenland (GEUS); the Mineral Licence and Safety Authority; Greenland Oil Industry Association (GOIA); Nunaoil; WWF; Inuit Circumpolar Council; University of Tromsø - the Arctic University of Norway; Memorial University, Newfoundland; and Nordland Research Institute, Norway.

### 5. The Centre Website

The [Centre website](#) was launched on the same day as the Centre opened, on 16<sup>th</sup> March 2016. It provides information regarding the Centre's staff and activities, including a regularly updated News section and Briefing Notes that summarise in ordinary language the Centre's research activities (see publications).

## **6. Launch of the Arctic Oil and Gas Research Centre, 16<sup>th</sup> March 2016**

An open seminar was held at Ilisimatusarfik to mark the launch of the Centre and to introduce the new Directors. At the event, Tine Pars, Rector of Ilisimatusarfik introduced the Arctic Oil and Gas Research Centre and the two directors. Hansen explained the objectives, priorities and planned activities of the centre. The directors then each delivered a presentation in which Johnstone discussed the importance of the legal framework in managing hydrocarbon activities and Hansen explained the essential criteria for an effective environmental and social impact assessment process. Over fifty people attended the launch and participated in a lively discussion where they talked about their hopes and expectations for the Centre. Participants came from Ilisimatusarfik; the Greenland Institute of Natural Resources; Niuernermik Ilinniartarfik (the Business College); the Ministry of Industry, Labour and Trade; the Mineral Licence and Safety Authority; the Geological Survey of Denmark and Greenland (GEUS); the Greenland Business Association; Greenland Business; S.I.K. (the Labour Association of Greenland); Nunaoil; WWF; and Transparency International Greenland.

## **7. Public Seminar: Public Participation in Arctic Extractive Industries, 17<sup>th</sup> March 2017**

On Tuesday 17<sup>th</sup> October 2017, the Arctic Oil & Gas Research Centre organised a one-day intensive seminar that explored the status of public participation in extractive industry decision-making in the Arctic, and looked for ways to improve the quality of the experience and the results for all stakeholders.

Three panels of experts examined in turn: resource development in Greenland; the international law regarding participation; and participation in practice.

The seminar brought together experts from Greenland, Denmark, Iceland, Norway, Russia, Scotland, England and Brazil. The Centre funded the participation of Professor James Mitchell (University of Edinburgh), Dr Emma Wilson (Director of ECW Energy Ltd., Associate of the Scott Polar Research Institute, UK) and Professor Eduardo Pereira (Externado University of Colombia Law School, Colombia).

Professor Johnstone spoke on *the international status of FPIC after 10 years of UNDRIP* and Professor Hansen delivered a paper on *Community Guidance and Preparation prior to Hydrocarbon Development*.

The seminar was open to the public. More than fifty people attended in person and at least fifty more people watched either all or part of the proceedings live online. The videos from the seminar can be viewed on the [Centre website](#) (see “videos”). The speakers also prepared briefing notes, summarising their presentations in accessible language, which are also published on the website.

## 8. Workshop on Public Participation in Arctic Extractive Industries, 18<sup>th</sup> October 2017

On Wednesday 18<sup>th</sup> October 2017, the Arctic Oil & Gas Centre organised a workshop on good practice for public participation processes related to extractive industries in the Arctic. A number of international and Greenland experts on extractive industries, social indicators of wellbeing, impact assessments, law, and public participation, took part in the workshop together with a group of graduate students from Ilisimatusarfik. The workshop followed the full-day seminar on the same topic. The conclusions were compiled in a briefing note: [Five Proposals for Improved Practice on Public Participation related to Extractive Industries in Greenland](#).

## 9. Publications and Other Communications

### Book Contract

In September 2018, Professors Johnstone and Hansen secured a book contract with *Routledge* for an anthology exploring public participation in extractive industries in the Arctic as part of its new series in *Polar law*. The book, entitled, *Arctic Voices in Extractive Industries: Strategies for Community Engagement* contains contributions by the Johnstone and Hansen as well as Anna-Sofie Skjervedal who graduated with a PhD from Ilisimatusarfik in 2018. The other chapter authors are: Emma Wilson, Karin Buhmann, George Varlamov, Julia Loginova, Edward Raymond Ipalook, Nigel Bankes, James, Mitchell, Eduardo Pereira, Marianthi Pappa and Olivar Escoar. Most of the contributors took part in the Seminar and Workshop hosted by the Centre at Ilisimatusarfik in October 2017.

### Academic Publications by the Directors

In addition to the book, Professors Hansen and Johnstone have various articles and book chapters in development based on their work for the Centre, including:

- Anne Merrild Hansen and Rachael Lorna Johnstone, “Social konsekvensvurdering i en Arktisk kontekst” in Steven Arnfjord and Gestur Hovgaard (eds), *Samfundsvidenskabelig praksis - Arktiske perspektiver* [2019, forthcoming].

They have already jointly published the following peer-reviewed article and book chapter:

- Anne Merrild Hansen and Rachael Lorna Johnstone, “In the Shadow of the Mountain: Assessing early impacts on community development from two mining prospects in South Greenland” *The Extractive Industries and Society*, 2019, DOI: <https://doi.org/10.1016/j.exis.2019.01.012>.
- Anne Merrild Hansen and Rachael Lorna Johnstone, “Improving Public Participation in Greenland Extractive Industries” in *Current Developments in Arctic Law: Vol. V*, Kamrul Hossain and Anna Petr etei (eds), Arctic Law Thematic Network, 17-19 [2018] 29-33. Open Access: <https://>

[www.ulapland.fi/news/Volume-5-of-the-Current-Developments-in-Arctic-Law-is-out!/10917/26bee361-9cee-4d63-9804-64607438a0fb](http://www.ulapland.fi/news/Volume-5-of-the-Current-Developments-in-Arctic-Law-is-out!/10917/26bee361-9cee-4d63-9804-64607438a0fb).

Professor Johnstone published the following book with co-author Mary Durfee:

- Mary Durfee and Rachael Lorna Johnstone, *Arctic Governance in a Changing World* (Rowman and Littlefield, 2019).

Professor Johnstone published the following articles, book chapters and working papers of relevance to the Centre's research focus:

- Rachael Lorna Johnstone, 北極評議会を通じた環境ガバナンス (Environmental Governance through the Arctic Council) in 北極国際法秩序の展望: 科学・環境・海洋 (Towards an International Legal Order for the Arctic: Science, Environment and the Ocean), Osamu Inagaki and Akiho Shibata, eds. (Toshindo, 2018) 30-48.
- Rachael Lorna Johnstone and Hjalti Ómar Ágústsson, "Little Fish, Big Pond: Icelandic Interests and Influence in Arctic Governance" in *No One is an Island: an Icelandic Perspective*, Giorgio Baruchello, Kristín Margrét Jóhannsdóttir, Jakob Þór Kristjánsson and Skafti Ingimarsson (eds) (Cambridge Scholars Publishing, 2018) 59-82.
- Sune Tamm, Julia Jabour and Rachael Lorna Johnstone, "Iceland's Accession to the Antarctic Treaty" *9 Yearbook of Polar Law* 262-281 [2018].
- Rachael Lorna Johnstone, "Indigenous Rights in the Marine Arctic" in *Governance of Arctic Oil and Gas Activities*, Cécile Palaudeix and Ellen Margrethe Basse (eds), Routledge [2017].
- Rachael Lorna Johnstone, "Respectful Neighbourliness: the United Kingdom's Arctic Approach" *8 Yearbook of Polar Law* (2016).
- レイチェル・ロルナ・ジョンストン「北極評議会を通じた環境ガバナンス: 国際環境規範の主導者としての北極評議会」『国際協力論集（神戸大学大学院国際協力研究科）』第24巻第1号（2016年7月）29-44頁。(Environmental Governance through the Arctic Council: the Arctic Council as Initiator of Norms of International Environmental Law) Open Access: [http://www.research.kobe-u.ac.jp/gsics-publication/jics/johnstone\\_24-1.pdf](http://www.research.kobe-u.ac.jp/gsics-publication/jics/johnstone_24-1.pdf)
- Rachael Lorna Johnstone, "The Principle of "Full Reparation" for Environmental Damage and Very Small States" in *Responsibilities and Liabilities for Commercial Activity in the Arctic: The Example of Greenland*, Vibe Ulbeck, Anders Møllmann and Bent Ole Gram Mortensen (eds), Routledge Research in International Environmental Law (2016).
- Rachael Lorna Johnstone and Federica Scarpa, "Little Italy: Seeking a Niche in Arctic International Relations" 11(1) *Nordicum Mediterraneum* [2016]. Open Access: [http://nome.unak.is/wordpress/volume-11-no-1-2016/01\\_double-blind-peer-reviewed-article/little-italy-seeking-niche-international-arctic-relations/](http://nome.unak.is/wordpress/volume-11-no-1-2016/01_double-blind-peer-reviewed-article/little-italy-seeking-niche-international-arctic-relations/)

- Rachael Lorna Johnstone, “Little Fish, Big Pond: Icelandic Interests and Influence in Arctic Governance” *No one is an Island: Iceland and the International Community*, 11(2) *Nordicum Mediterraneum* [2016]. Open Access: <http://nome.unak.is/wordpress/volume-11-no-2-2016/>
- Duncan French (Chair), Tim Stephens (Rapporteur) and others, ILA Study Group on Due Diligence, Second Report, July 2016 (Rachael Lorna Johnstone, lead author of chapter: What factors, if any, may vary a due diligence standard?).
- Rachael Lorna Johnstone, *Environmental Governance through the Arctic Council: the Arctic Council as Initiator of Norms of International Environmental Law*, Polar Cooperation and Research Centre, Kobe University, Japan, Working Paper No. 1 [2016]. Open Access: <http://www.research.kobe-u.ac.jp/gsics-pcrc/paper.html>

Johnstone published five book reviews on recent texts on Arctic governance:

- Rachael Lorna Johnstone, Review of: *Arctic Law and Governance: The Role of China and Finland*, Timo Koivurova, QIN Tianbao, Sébastien Duyck and Tapio Nykänen (eds) (Hart Publishing 2017) 13(1) *Nordicum Mediterraneum* [2018 forthcoming].
- Rachael Lorna Johnstone, Review of: *The International Law of the Sea*, Donald R Rothwell & Tim Stephens (Bloomsbury 2016, 2nd ed.) 12(1) *Nordicum Mediterraneum* [2017].
- Rachael Lorna Johnstone, Review of: *The Arctic Council: Governance within the Far North*, Douglas C Nord (Routledge, 2016) 11(1) *Nordicum Mediterraneum* [2016].
- Rachael Lorna Johnstone, Review of: *International Politics of the Arctic: Coming in from the Cold*, Peter Hough (Routledge, 2013) 11(1) *Nordicum Mediterraneum* [2016].
- Rachael Lorna Johnstone, Review of: *Polar Geopolitics: Knowledges, Resources and Legal Regimes*, Richard C Powell and Klaus Dodds (eds) (Edward Elgar, 2014) 11(1) *Nordicum Mediterraneum* [2016].

Professor Hansen published the following articles, book chapters and reports of relevance to the Centre’s research focus:

- Anne Merrild Hansen and Ross A Virginia, “The future of hydrocarbon development in Greenland: Perspectives from residents of the north slope of Alaska” in: *Arctic*. 2018; Vol 71, No. 4. 365-374.
- Brigit Dale, Siri Veland and Anne Merrild Hansen, “Petroleum as a challenge to arctic societies: Ontological security and the oil driven ‘push to the north,’” *The Extractive Industries and Society*, 2018,
- Anne Merrild Hansen, “Greenland: The role and impact of extractive industries” In: *The Geographer*, the newsletter of the Royal Scottish Geographical Society. 2018 ; Nr. Winter 2018. s. 24.

- Anne Merrild, Linnea Ingebrigtsen, Edmunds-Potvin, et al., Health and well-being. Adaptation Action for a Changing Arctic: BAFFIN BAY/DAVIS STRAIT REGIONAL REPORT. Oslo: Arctic Monitoring and Assessment Programme, Oslo., 2018. s. 101-120
- Susse Wegeberg, Chris Southcott, Peter Aastrup, et al., “Non-living Resources” Adaptation Action for a Changing Arctic: BAFFIN BAY/DAVIS STRAIT REGIONAL REPORT. Oslo: Arctic Monitoring and Assessment Programme, Oslo., 2018. 201-222
- Clive Tesar, Knud Falk, James Ford, et al., “Summary of Adaptation Options for the BBDS Region” in Adaptation Actions for a Changing Arctic: Perspectives from the Baffin Bay/Davis Strait Region. Oslo : Arctic Monitoring and Assessment Programme, Oslo., 2018. s. 329-352
- Anne Merrild Hansen, Sanne Vammen Larsen, and Bram Noble. ”Social and Environmental Impact Assessments in the Arctic” The Routledge Handbook of the Polar Regions. red. / Mark Nuttall ; Torben Christensen ; Martin Siebert. NEW YORK: Routledge, 2018. (Routledge International Handbooks).
- Trine Skovgaard Kirkfeldt, Anne Merrild Hansen, Pernille Olsen et al., ”Why cumulative impacts assessments of hydrocarbon activities in the Arctic fail to meet their purpose” in Regional Environmental Change. 2017 ; Vol 17, No. 3. 725-737
- Lucia Mortensen, Anne Merrild Hansen and Alexander Shestakov. ”How three key factors are driving and challenging implementation of renewable energy systems in remote Arctic communities” in Polar Geography. 2017 ; Vol 40, No. 3. 163-185.
- Emma Wilson, Anne Merrild Hansen and Elena W. Rowe ”Imagining the future: Local perceptions of Arctic extractive projects that didn’t happen” Arcticness: Power and Voice from the North. red. / Ilan Kelman ; Rianne C. ten Veen. London: UCL Press, 2017. 130-149
- Anne Merrild Hansen, “Arcticness Insights” Arcticness: Power and voice from the north. red. / Ilan Kelman ; Rianne C. ten Veen. London: UCL Press, 2017. 51-58
- Anne Merrild Hansen and Pelle Tejsner. “Identifying challenges and opportunities for residents in Upernavik as oil companies are making a first entrance into Baffin Bay” in: Arctic Anthropology. 2016 ; Vol 53, No. 1. 84-94.
- Anne Merrild Hansen, Frank Vanclay, Peter Croal and Anna-Sofie Hurup Skjervedal. “Managing the social impacts of the rapidly expanding extractive industries in Greenland” in The Extractive Industries and Society. 2016 ; Vol 3, No. 1. 25-33.
- Anne Merrild Hansen, “Offshore oil exploration and impact assessment in Greenland” in Northern Public Affairs. 2016 ; Vol 4, No. 2.
- Anne Merrild Hansen and Sanne Vammen Larsen, *Miljøvurdering af offshore kulbrinte aktiviteter: en benchmarkingundersøgelse af krav til VVM for efterforskningsaktiviteter i Grønland, Norge, Canada, Danmark og Alaska:*

*scientific report from Det Danske Center for Miljøvurdering, Forskningscenter for Arktisk Olie og Gas. Aalborg University., 2016. 83p.*

- Anne Merrild Hansen and Sanne Vammen Larsen, “Benchmarking af miljøvurderingslovgivning for olieaktiviteter i Grønland: Bilagsrapport 2 - Opsamling fra Workshop 2”. *Scientific report from Det Danske Center for Miljøvurdering, Forskningscenter for Arktisk Olie og Gas. Aalborg University., 2016.*
- Anne Merrild Hansen, “Managing the Social Impacts of Offshore Hydrocarbon Development in Greenland: Lessons Learned from Alaska”. *The Many Faces of Energy in the Arctic. Arctic and International Relations, 2016. 22-24 (Arctic and International Relations Series; No. 4, Fall 2016).*
- Anne Merrild Hansen, Pelle Tejsner and Parnuna Petrine Egede, “Traditional Knowledge and Industrial Development: On the potential use of indigenous and local knowledge as a resource to assess competencies in Greenland” in *Perspectives On Skills. red. / Rebekka Knudsen; Marc Jacobsen. Greenland Perspective, 2016. 152-166*
- Sanne Vammen Larsen and Anne Merrild Hansen. “Impact assessment of offshore oil activities in the Arctic” *Proceedings - Final Papers. International Association for Impact Assessment, 2016.*

#### Arctic Oil and Gas Centre Briefing Notes (all available for download on the Centre website)

The Centre produces Briefing Notes that summarise in accessible language its key research activities and findings. These are published on the [Centre website](#) (see “briefing notes”) in English, Danish and Greenlandic. A total of eighteen Briefing Notes were published by the Centre:

- Briefing note 1: Introduction to the Arctic Oil and Gas Research Centre was published on the day of the launch, 16<sup>th</sup> March 2016, to explain the purposes of the Centre and introduce the Directors.
- Briefing note 2: Environmental Assessment of Offshore Hydrocarbon Activities was published on 10<sup>th</sup> October 2016 and summarised a study conducted by Professor Hansen and Sanne Vammen Larsen on the EIA process for Greenland’s offshore hydrocarbon activities.
- Briefing note 3: Free, Prior and Informed Consent was published on 23<sup>rd</sup> November 2016. It summarised a presentation by Professor Johnstone given at the 4<sup>th</sup> Arctic Circle Assembly on the status, interpretation and implementation of the principle of free, prior and informed consent.
- Briefing note #4 - Indigenous peoples’ rights to traditional fishing and hunting under the United Nation's human rights instruments (May 2017)
- Briefing note #5 - Fieldwork in South Greenland (June 2017)
- Briefing note #6 - Fieldwork in East Greenland (September 2017)
- Briefing note #7 - Local responses to oil exploration in the Baffin Bay area (September 2017)



- Briefing note #8 - Five proposals for improved practice on public participation related to extractive industries in Greenland (November 2017)
- Briefing note #9 - Extractive industry development and current public participation practices in Greenland (November 2017)
- Briefing note #10 - Host government management of oil and gas activities (November 2017)
- Briefing note #11 - Free, prior and informed consent within the UN human rights treaty system (November 2017)
- Briefing note #12 - Indigenous rights and the extractive industries: implementing international standards (November 2017)
- Briefing note #13 - Business and human rights between law, politics and the economy (November 2017)
- Briefing note #14 - Participation in a small archipelago (Shetland) (November 2017)
- Briefing note #15 - Problems and perspectives of small indigenous peoples in Russia: the Setu people case (November 2017)
- Briefing note #16 Workshop on Public Participation in Arctic Extractive Industries (November 2017)
- Briefing note #17 A Summer in Greenland (January 2018)
- Briefing note #18 Fieldwork in Maniitsoq (June 2018)

#### Outreach Publications, Newspaper Articles and Popular Media

On its launch, the Directors published two short presentations of the Arctic Oil and Gas Research Centre in Arctic-focused academic publications, *Northern Notes* and *Arctic Review on Law and Politics*.

- Rachael Lorna Johnstone and Anne Merrild Hansen, “Introduction to the Arctic Oil and Gas Research Centre”, (2016) 45 *Northern Notes* 26, Open Access: <http://iassa.org/images/newsletters/Northern-Notes-Issue-45-Spring-Summer-2016.pdf>
- Rachael Lorna Johnstone and Anne Merrild Hansen, “Introduction to the Arctic Oil and Gas Research Centre” (2016) 7(1) *Arctic Review on Law and Politics* 107, Open Access: <http://dx.doi.org/10.17585/arctic.v7.421>

Johnstone also published four newspaper articles, one of which was translated and published in Russian:

- Julia Jabour and Rachael Lorna Johnstone, “Why Iceland is set to Resume Whaling despite International Opposition,” *The Conversation*, May 14, 2018, <https://theconversation.com/why-iceland-is-set-to-resume-whaling-despite-international-opposition-95642>.
- Rachael Lorna Johnstone, *Akademísku frelsi til varnar (In Defence of Academic Freedom)* Fréttablaðið, 31 May 2016 <http://www.visir.is/>

[akademisku-frelsi-til-varnar/article/2016160539749](http://akademisku-frelsi-til-varnar/article/2016160539749)

- Rachael Lorna Johnstone, *Scotland seeks “even stronger partnerships with northern neighbours”* The Independent Barents Observer, 12 October 2016 <http://www.thebarentsobserver.com/en/2016/10/scotland-seeks-even-stronger-partnerships-northern-neighbours>
- Rachael Lorna Johnstone, *Шотландия хочет «еще более тесно сотрудничать с северными соседями»* The Independent Barents Observer (Russian edition) 27 October 2016 <http://thebarentsobserver.com/ru/life-and-public/2016/10/shotlandiya-hochet-eshche-bolee-tesno-sotrudnichat-s-severnymi-sosedyami>

Professor Johnstone gave an interview to the Icelandic National Radio (*RÚV*) programme, *Spegillinn* (The Mirror) on the potential State responsibility for oil and gas activities. The interview was broadcast on 11<sup>th</sup> October 2016.

She also gave an interview to the *NUUK TV* (The Mirror) on the potential State responsibility for oil and gas activities. The interview was broadcast on the news on 19<sup>th</sup> May 2017. <http://www.nuuktv.gl/forside/nyheder/>

Professor Johnstone took part in a discussion on Iceland’s position on whaling on *Al Jazeera English Live* with Presenter Kamahl Santamaria, 14 September 2018, 1530.

Professor Hansen was cited in an article published online by Arctic Business Network titled: *Forskningen skal tage lokalt udgangspunkt* (Research needs a local starting point). 27. January 2016. URL: [arcticbusinessnetwork.blogspot.dk/2016/01/ny-professor.html](http://arcticbusinessnetwork.blogspot.dk/2016/01/ny-professor.html)

Professor Hansen was interviewed for national newspaper in Greenland, *Sermitsiaq* when The Fraser Institute Annual Survey of Mining Companies, 2017, rated 83 jurisdictions around the world based on their geologic attractiveness for minerals and metals and Greenland was ranked low. The interview was cited in the newspaper in Greenlandic and Danish under the title: *Kalaallit Nunaata oqaluttuatsialak amigaatigaa/ Grønland mangler den gode historie* (Greenland lacks the good story), 16. March 2017. <https://sermitsiaq.ag/kl/kalaallit-nunaata-oqaluttuatsialak-amigaatigaa>

Professor Hansen was also interviewed to *Sermitsiaq* about her personal path to becoming a Greenlandic researcher and her experiences in this regard. The interview was brought in an article in Greenlandic and Danish titled: *Alapernaatsuunerma ilisimatusartippaanga pissutaavoq / Min nysgerrighed har drevet min forskning* (Curiosity drove my research) in *Sermitsiaq*, 9. September 2017.

Professor Hansen further gave an interview to *Kalaallit Nunaata Radioa* (Greenlandic Broadcasting Corporation). The interview was broadcasted in the national news on the radio on September 26<sup>th</sup> 2016. The interview was on the topic of strategic implications of new Chinese investors in the company GME who holds exploration license for the planned Rare Earth Metals mine in Narsaq, South Greenland. Professor Hansen further gave an interview to *Sermitsiaq/AG* the

National newspaper in Greenland on the same topic. The interview was further cited in two news articles:

- Walter Turnowsky, *Mine kan skabe storpolitiske forviklinger*, Sermitsiaq AQ, 27 September 2016 <http://sermitsiaq.ag/kan-skabe-storpolitiske-forviklinger>
- Kenneth Elkjær, *Ekspert: Derfor er kinesisk investor godt nyt for Kvanefjeld*, KNR, 27 September 2016, <http://knr.gl/da/nyheder/derfor-er-kinesisk-investor-godt-nyt-kvanefjeld>

### Public Consultations

In 2016-17, the Scottish Affairs Committee of the UK Parliament held an inquiry into the opportunities and threats posted in the Arctic region and the UK approach to addressing them, with an emphasis on the potential role that Scotland might play. Having submitted written views in her personal capacity in November 2016, Professor Johnstone was invited to give oral evidence in January 2017 to the United Kingdom House of Commons Scottish Affairs Committee. She followed this up with clarifications in a further written statement.

## **10. Conferences and Events Organised by Others**

### Health and Wellness in the Arctic, Dartmouth 10<sup>th</sup>-15<sup>th</sup> January 2016

Professor Hansen took part in the planning and execution of a seminar at Dartmouth College, New Hampshire, which brought together experts and community perspectives on health care and delivery, infrastructure challenges, youth engagement, and traditional knowledge. The Dartmouth seminar was a consensus seminar featuring facilitated panel discussions by experts, breakout sessions, and non-traditional and holistic approaches, including a traditional talking circle to ground the academic discussion in the shared, first-hand experiences of community members and health care providers. Professor Hansen gave a presentation on her recent research. The key determinants of community wellness that were identified included human capacity building and local training, cultural connection, trauma, access to health care services and self-determination.

### Towards a Sustainable Arctic Future, Oulu 11<sup>th</sup> February 2016

On Thursday, 11<sup>th</sup> February, 2016, Professor Hansen presented her ongoing research as a part of a broader public symposium that gathered together Arctic scientists, students, policymakers, industry and NGO representatives and other key stakeholders as well as the general public. The event was open to anyone interested in Arctic issues.

Through high level keynotes, panels and interactive discussions, the symposium addressed changes in the Arctic, particularly through the themes of the FAI program (energy, water, infrastructure and health), and contributed to developing strategies and policies for a sustainable Arctic future. Presenters included distinguished scientists and policymakers. The Symposium took place at the Saalasti Hall of the University of Oulu.

### Arctic Circle Forum, Greenland, 18<sup>th</sup> May 2016

At the Arctic Circle Forum, held at Katuaq, Professor Johnstone presented the Centre, explained its objectives and called for comments and suggestions on the Centre's research priorities.

### Alaska Dialogue: Devolution, Girdwood, Alaska, 20<sup>th</sup>-21<sup>st</sup> May 2016

Professor Hansen was invited as a speaker for the seminar on Devolution, arranged by The Institute of the North. The focus was on developing local capacity for increased self-reliance. Professor Hansen gave a speech on the History and function of the self-rule System in Greenland and reflected on the recent development in relation to oil and gas exploration and the large-scale industries role in national strategies as a means to achieve increased political independence.

### Community Wellbeing and Infrastructure in the Arctic, Nuuk, 1<sup>st</sup> October 2016

A working group on health and infrastructure under the Fulbright Arctic Initiative under the US Chairmanship of Arctic Council, including Professor Hansen, initiated a workshop on community wellbeing and infrastructure in the Arctic. The workshop was arranged through collaboration between the Arctic Oil and Gas Research Centre, NORDREGIO, The Greenland Health Research Centre and the Danish Centre for Environmental Assessment at Aalborg University, with financial support from the Nordic Council of Ministers' Nordic-Arctic Collaboration Programme.

### Polar Law Symposium, Akureyri, 5-9<sup>th</sup> October 2016

Professor Johnston organised the 9<sup>th</sup> Polar Law Symposium, held at the University of Akureyri, Iceland in October 2016. She co-presented a paper with Sune Tamm and Julia Jabour exploring the implications of Iceland's accession to the Antarctic Treaty.

### Arctic Circle Assembly, Iceland, 7<sup>th</sup>-9<sup>th</sup> October 2016

Professor Hansen organised a breakout session in the name of the Centre which explored *Social Impacts of Oil and Gas Activities in the Arctic - Challenges and Benefits*. Owing to the Greenlandic weather conditions, Hansen was unable to attend in person but Professor Johnstone chaired the session, presented the Centre and introduced the four speakers: Anita Parlow, Brigit Dale, Natalya Novikova and Emma Wilson. Around fifty people attended the session, posed questions to the speakers and engaged in a dynamic discussion of the issues.

Also at the Arctic Circle, Professor Johnstone delivered two further presentations: "Hazardous Activities, Small States and the Risk of Reparation" at a breakout session on *Arctic Ocean Oil and Gas Exploration and Legal Liability* and "Free, Prior and Informed Consent in Large-Scale Development Projects in the Arctic" at a breakout session on *Global Arctic: The Resource Dynamics of the Urbanized Arctic*.

Professor Johnstone additionally organised three other breakout sessions at the Arctic Circle Assembly under the banner of the Polar Law Symposium. These were

on *Global Influences on Polar Governance; Arctic Sustainable Development*, and *The Law of the Sea: Navigation*.

#### Fulbright Arctic Week 22<sup>nd</sup>-29<sup>th</sup> October 2016

As a participant and grant recipient of the Fulbright Arctic Initiative, Professor Hansen took part in a full week of activities in October. Professor Hansen and others met with the Directors and other officials working on energy and hydrocarbons in the State Department. She presented her research in Carnegie Hall with the National Academy of Science (broadcast live), at the Smithsonian Museum and met the Secretary of State John Kerry. The full programme can be seen here: <http://www.cies.org/fulbright-arctic-week>

#### Arctic Challenge workshop in Oslo, 11-18th January 2017

Professor Hansen took part in a workshop arranged by the leaders of the project Arctic Challenge, in which the Centre is engaged. Also Mark Nuttall and Birger Poppel took part in the workshop, to share preliminary findings and talk about the continuation and finalisation of the project.

#### Fletcher Arctic VI, Tufts University, Boston, 17-18<sup>th</sup> February 2017

Professor Johnstone presented a paper called *A Thought for Food: Conservation of Charismatic Megafauna in the Arctic* at the Fletcher Arctic VI Conference at Tufts University in Boston. She explored the tensions between non-indigenous conservation strategies and the rights of the Inuit to harvest living marine resources, with a focus on narwhal and polar bears.

#### Greenland Research Council trip to Canada, 14-19th March 2017

Professor Hansen travelled with Greenland Research Council in Canada and met with various research institutions and educational institutions in Toronto and Ottawa as well as with NGOs, ICC and IKT, to learn about inclusion of indigenous knowledge in teaching and research.

#### *Prospettive costituzionali, economiche ed internazionali (Iceland after the Economic Crisis: constitutional, economic and international perspectives, University of Genova, 24<sup>th</sup> March 2017*

Professor Johnstone gave a lecture at this public workshop exploring how a small Arctic nation can defend its interests by virtue of the unique structure of Arctic governance.

#### IAIA17 Montreal Canada, 2-8th April 2017

Professor Hansen gave a paper on the impacts of hydrocarbon development in Alaska based on her fieldwork in 2016 on the North Slope as a part of the Fulbright Arctic Initiative.

#### Hindsgavl Arctic Workshop, 19-20th April 2017

Professor Hansen participated in the annual Arctic workshop in Hindsgavl arranged by the Danish Ministry of Research and Education. Professor Hansen engaged in the session on infrastructure development.

#### ICASS IX, Umeaa, 7-12th June 2017

Professor Hansen attended the ICASS IX conference in Umeaa. She gave two papers, one on impact assessment regimes in the Arctic and the other on the project Adaptation Actions for a Changing Arctic, for the Arctic Council, in which she is involved. She covered the area of the Baffin Bay - Davis Strait region.

#### Peace in the Arctic, Conference, Tromsø, 13-16th June 2017

Professor Hansen gave a paper on impact assessment and conflict management in relation to uranium mining in Greenland and Saskatchewan.

#### EU-PolarNet workshop in Madrid, 24-29th September 2017

Professor Hansen was nominated as an EU expert on human impacts, sustainable development and extractive industries in the Arctic by the EUPolarNet and was chosen as a participant for a workshop in Madrid, at which the selected experts developed white papers for the EU in relation to a number of topics, feeding into priorities of research funds by the Council in the future.

#### Law Forum, Akureyri, Iceland 3<sup>rd</sup> October 2017

Professor delivered a public lecture on *Mineral Developments in Greenland: Comparative Study of Social Attitudes*, presenting the interim results of the Centre's fieldwork research in South and East Greenland.

#### Nordic Research Forum (Arctic Circle Side-Event), Reykjavík 12<sup>th</sup> October 2017

Professor Hansen organised a workshop: the *Nordic Research Forum 2017*, an 'invitation only' event prior to the Arctic Circle Assembly. The workshop took place at the University of Iceland in Reykjavik 12<sup>th</sup> October 2017. The event had 25 participants from Norway, Denmark, Iceland, Sweden, Finland and Greenland.

#### Arctic Circle Assembly, Reykjavík 13-15<sup>th</sup> October 2017

Professor Johnstone organised a breakout session at the Arctic Circle Assembly in Reykjavík, October 13<sup>th</sup> in the name of the *Arctic Oil and Gas Centre* which explored *Equitable Arctic Development of Natural Resources*. The session examined governance of oil and gas activities in the Arctic with a view to promoting equitable hydrocarbon development under the control of Arctic inhabitants and to their benefit with particular emphasis on indigenous peoples. Professor Indra Øverland, from NUPI presented the results of a recent research

project comparing and ranking corporate processes to ensure indigenous rights in Arctic extractive industries. Professors Anne Merrild Hansen and Rachael Johnstone, directors of the Arctic Oil and Gas Research Centre followed with *Perspectives on Greenlandic Extractive Industries*, an analysis of the experiences and views of Greenlanders from South and East Greenland, examining whether there are significant differences in priorities between those who live close to mining projects and those who live hundreds of kilometres away. Eduardo Pereira, from Externado University, Colombia, completed the panel with an examination of the position of non-operators in Arctic oil and gas joint ventures, seeking to improve the balance between rights, responsibilities and benefits which will in turn improve the attractiveness of investment. The panel was chaired by Anita Parlow, of the Wilson Centre, in Washington DC.

Professor Hansen delivered a plenary lecture on her research on conflict management related to extractive industries in the Arctic and organised a breakout session at the Assembly on the results of the Nordic Research Forum.

Professor Johnstone organised two other breakout sessions at the Arctic Circle Assembly under the banner of Polar law. These were on Indigenous Governance and on Alaska. She also spoke on the panel, *Celebrating Erasmus in the Arctic*.

#### EIT RawMaterials 3rd ArchHub meeting, 16-17<sup>th</sup> October 2017

The Directors both attended the EIT RawMaterials 3rd ArchHub meeting, organised by GEUS on 16-17<sup>th</sup> October. The theme was: *Social License to Operate in the Arctic regarding exploration, mining and processing - what is best practice and what have and can be done*. Professor Hansen delivered a presentation at the workshop on a comparative study of conflicts related to mining projects in Narsaq, South Greenland and Saskatchewan in Canada.

#### Is the Future Arctic? Edinburgh, 19<sup>th</sup> November 2017

Professor Johnstone presented a paper at the Nordic Horizons (an Arctic Circle Forum Fringe Event) at Edinburgh University in November 2017. Professor Johnstone discussed the future of energy resources in the Arctic, both renewable and non-renewable and explored issues related to decision-making and leadership, especially as regards indigenous peoples in the Arctic.

#### Polar Law Symposium, Rovaniemi, 13-14<sup>th</sup> November 2017

Professor Johnstone gave a paper at the 10<sup>th</sup> Polar Law Symposium in Rovaniemi, Finland, called *Under the Mountain: Early Impacts of Extractive Industries on Selected Communities in Greenland*. In the presentation, she discussed how projects for mining or hydrocarbon development have impacts very early on in the development process and long before formal public participation processes are launched. She argued for better understanding of the social impacts of exploratory projects and improved information and consultation with local communities.

#### Dartmouth College, 22<sup>nd</sup>-29<sup>th</sup> January, 2018

Professor Hansen visited Dartmouth College, US and gave a public lecture on the Social Impacts of Oil and Gas development in the Arctic. She also met with Dartmouth College researchers, gave a class lecture in the course *Global Environmental Health* and was interviewed by the Director of the Energy Institute during an informal lunch with students and faculty members.

The Northern Vantage Point: Arctic Changes Current and Future Outlooks, Akureyri, 17<sup>th</sup> October, 2018

Professor Johnstone was a panellist for the seminar on Arctic Challenges held by the University of Akureyri. The seminar was a pre-event for the Arctic Circle Assembly.

Arctic Circle Assembly, Reykjavík, 19<sup>th</sup>-21<sup>st</sup> October 2018

Professor Johnstone organised two breakout sessions at the Arctic Circle Assembly in Reykjavík, 2018. These were on *Polar Law: the International Arctic* and on *Polar law: the Rights of Indigenous Peoples*.

Polar Law Symposium, Tromsø, 2-4<sup>th</sup> November 2018

Professor Johnstone presented a paper on *Applying FPIC Where Indigeneity is Contested: the Case of Greenland*, 11<sup>th</sup> Polar Law Symposium, UiT the Arctic University of Norway, October 2018. She also hosted the plenary dialogue between Professors Donald Rothwell and Erik J Molenaar on an *Exchange of Views on the History and Future of Polar Law*.

Sovereignty - Iceland and Greenland in a historical perspective, Copenhagen, 11<sup>th</sup> December 2018

Professor Johnstone discussed *Shared and Layered Sovereignty: a Legal History of Greenland* at the aforementioned seminar organised by the Danish Institute for International Studies in Copenhagen. The seminar was live-streamed to listeners at *Ilisimatusarfik*, some of whom participated in the question and answer session.

International Law for Sustainability in Arctic Resource Development: Kobe, Japan, 17-18<sup>th</sup> December 2018

Professor Johnstone gave a keynote presentation at the Fourth Symposium of the Polar Cooperation and Research Centre, Kobe University, Japan. The theme of the conference was International Law for Sustainability in Arctic Resource Development: Integration of economic, social, environmental and scientific dimension and Professor Johnstone discussed the impact of international law on natural resource governance in Greenland.

International Workshop on the Resilience of the Antarctic Treaty System to Future Challenges, Kobe, 19<sup>th</sup> December 2018



Professor Johnstone gave commentary on the papers presented at a high level workshop on the Antarctic treaty System hosted by the Polar Cooperation and Research Centre, Kobe University, Japan.

## **11. Fieldwork**

In 2016, Professor Hansen was a visiting professor at University of Alaska Fairbanks and conducted fieldwork on the North Slope of Alaska for a six weeks period from April 21<sup>st</sup> to June 2<sup>nd</sup> 2016. The fieldwork was on the topic of social impacts of hydrocarbon development on rural communities and involved case studies and interviews with more than 80 residents, experts, government officials, oil companies and others.

In May 2017, the Directors undertook fieldwork in South Greenland where they interviewed seventeen persons from two towns and one farm. They included representatives of the municipality (Kommune Kujalleq), the mining industry, farming, tourism, other local businesses, education, culture, police, community services, a local NGO, and other members of the local community.

In August 2017, the Directors undertook a similar trip to Tasiilaq, East Greenland. They interviewed twelve people, including representatives of the municipality (Kommuneqarfik Sermersooq), the Greenlandic Parliament, the tourism industry, education, culture, health services and other members of the local community. Visiting researcher Sarah Mackie accompanied the Directors on this trip (self-funded).

In May-June 2018, Professors Hansen and Johnstone undertook fieldwork in Maniitsoq where they interviewed nineteen persons. The programmed visits to Sisimut and Ilulissat were unfortunately cancelled owing to weather conditions.

In July 2019, Professor Hansen travelled with Arctic Command's vessel *HDMS Knud Rasmussen* to North Greenland. She visited Ilulissat, Upernavik, Innarsuit, Tasiusaq, Nutaarmiut, Nuussuaq, Savissivik, Moriusaq and Qaanaaq and interviewed twenty-four individuals.

Fieldwork in Ittoqqortoormiit is planned for 2019.

## **12. Research Grant Applications & Related Activities**

### Arctic Studies Cooperation Fund

Professor Johnstone obtained a grant of 13,600 Euros that facilitated exchange visits between Professor Jessica Shadian (University of Akureyri), Johnstone and four researchers from the University of Tromsø - the Arctic University of Norway. Rachael and Jessica travelled to Tromsø in January 2016 and held a number of meetings, including a roundtable where they met representatives of various research institutions to discuss potential research collaboration on Arctic oil and gas.

#### NORDMIN: Arctic Cooperation Programme 2015-2017 (A)

Professor Hansen submitted an application for 250.000 DKK to cover fees, tickets and accommodation to bring in speakers and participants to the workshop on Community Wellbeing and Infrastructure in the Arctic (described above). The application was successful and the funds covered the cost of the workshop.

#### NORDMIN: Arctic Cooperation Programme 2015-2017 (B)

Johnstone submitted an application to the Nordic Council of Ministers' Arctic Cooperation Programme that would have established a network of researchers studying the economic and social impacts of Arctic hydrocarbon activities in order to make practical recommendations for best practice. It would have worked in collaboration with the University of the Arctic Thematic Network on Extractive Industries (TN) and the PhD programme in Arctic Extractive Industries that it coordinates. The fund was highly competitive and although the application received positive feedback, it was ultimately unsuccessful.

#### RANNÍS Application 2017-2019

Johnstone led an application for 47,670,000 ISK on *Evaluation of the Status of Free, Prior and Informed Consent in the Arctic for Large-Scale Resource Development Projects*. Professor Hansen, on behalf of the Centre, and Professor Nigel Bankes of the University of Calgary, are co-proposers on the project which involves a total of nineteen researchers. A number of the researchers named in the application were recruited as a direct result of the Arctic Studies Cooperation Fund visit by Johnstone and Shadian in January 2016. Unfortunately, notwithstanding very good reviews from the evaluation committee, the application was unsuccessful.

#### Framework Grant: Natural resources, risk-based due diligence, stakeholder engagement and public participation in decision-making: building comparative Arctic-Global South sustainability research.

Through the Arctic Thematic Network on Sustainable Arctic Resources and Social Responsibility and under the leadership of Professor Karin Buhmann, Copenhagen Business School, Professor Johnstone applied for a Kingdom of Denmark UArctic project grants. The grant is to support the creation of a new international network on Natural resources, risk-based due diligence, stakeholder engagement and public participation in decision-making: building comparative Arctic-Global South sustainability research. The application was successful and was awarded 283.477 DKK. The project will run from 2018 - 2019.

#### Project Grant: Public Participation in Arctic Extractive Industries

Professor Johnstone, on behalf of the Centre, sought a grant of 221330DKK to support the Public Participation seminar, workshop and book project (see above). The fund was highly competitive and although the application received positive feedback, it was ultimately unsuccessful. Nevertheless, the Centre decided to use

their own resources to continue with a slimmed-down version of the project and the seminar, workshop and book project went ahead.

#### Fieldwork grant, *Rannsóknasjóður* (Research Fund), University of Akureyri

Professor Johnstone sought a grant from the University of Akureyri research fund for the project *Perspectives on Extractive Industries* to support the continuation of the fieldwork of the Arctic Oil and Gas Research Centre beyond 2018, specifically a research trip to Ittoqqortoormiit, and to develop the book project. The application was successful and 465,000 ISK was awarded in January 2019.

### **13. Teaching**

Professor Johnstone organised and delivered two courses at Ilisimatusarfik in 2016. In Spring, she directed the course, *International Law* (10 ECTS) and co-taught it with Professor Guðmundur Alfreðsson. In Fall 2016, Johnstone directed and delivered the course: *Human Rights Law and the Rights of Indigenous Peoples* (10 ECTS).

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Professor Johnstone also taught on the PhD course on *Natural resources and human rights: impacts, conflicts, benefit, stakeholders and governance* held at Copenhagen Business School in December 2018. The course was organised by Karin Buhmann and held and partially funded by the University of Arctic Thematic Network on Sustainable Arctic Resources and Social Responsibility.

Professor Johnstone is also supervising one master student, Tukumminngiaq Nykjær Olsen, for her final thesis in the MA in West Nordic Studies.

Professor Hansen delivered 21 hours of classroom teaching in 2016 within the course *Sociology* (15 ECTS) in Fall 2016. Annemette Lauridsen was the course coordinator and Steven Arnfjord also taught on the course. However, Professor Hansen's main teaching contribution was at doctoral level (see next section).

Professor Hansen is supervising one master student, Ulunnguaq Markussen, for her final thesis in the MA in Social Science.

#### **14. Doctoral Student Activities and Support**

Professor Hansen was appointed Head of the newly established PhD School at Ilisimatusarfik and the Head of the PhD Council, in which capacity she undertook the related tasks and obligations at Ilisimatusarfik in 2018. In this function she is *ex officio* member of the Academic Council. In 2018. She was also the main supervisor of three PhD students associated with the centre, Anna-Sofie Hurup Skjervedal (graduated 2018), Parnuna Petrine Egede and Naja Carina Steenholdt. Professor Hansen further organised and taught at a PhD course at Ilisimatusarfik in March 2018.

Professor Johnstone was called as the external commentator for the mid-term evaluation of PhD candidate Natalia Ermolina at University of Tromsø: the Arctic University of Norway. Ms Ermolina's thesis is provisionally entitled: *Regime of State responsibility applicable to the exploration and exploitation of shared hydrocarbon resources*. The assessment took place in October 2016. She will return in 2019 to serve as external examiner on the final thesis and defence.

#### **15. Visiting researchers**

In May 2017, the Centre hosted Melanie Plante, a research fellow from the International Centre for Northern Governance and Development in Saskatoon, Saskatchewan.

In Fall 2017, the Centre welcomed Sarah Mackie as a Visiting Researcher from 31st July until 15th September. Ms Mackie is a doctoral candidate at Newcastle University.

Sara Fusco joined the Centre as a visiting student in Fall 2018. Ms Fusco is studying the legal regulating of mining activities in Greenland.

#### **16. Curriculum Development**

Professor Johnstone served on the committee appointed to evaluate the feasibility of providing a three year BA in administrative law at Ilisimatusarfik. The committee developed a curriculum and approval and funding was given to begin the legal education in Fall 2018.