

# ARCTIC WEEK

Observatory of Versailles Saint-Quentin-en-Yvelines, France



## Climate and Environmental Changes Global Changes in the Arctic



Monday 10<sup>th</sup> Dec. 2018

- \* 5 PHOTOGRAPH EXHIBITIONS AT OVSQ & UVSQ LIBRARY – OPEN TO ALL
- \* CHANGING SIBERIA: INTERDISCIPLINARY PROJECT INNER WORKSHOP (ONLY FOR PROJECT MEMBERS)

! UVSQ, Batiment Rabelais, Amphi Gentiane - 9 Boulevard D'Alembert, 78280 Guyancourt

10h00 – 10h20	<i>Coffee Break Offered at UVSQ, Batiment Rabelais, Amphi Gentiane</i>
10h30 – 11h00	<i>Welcome: Changing Siberia and Interdisciplinary Project Inner Workshop</i>
11h00 – 12h20	<b><i>Inner Workshop Changing Siberia (MI CNRS): Interdisciplinary</i></b> K. Law (Atmospheric Physics, LATMOS, UVSQ), J. Fort (Animal Biology, LiENS), J.D. Paris (Atmospheric physics, LSCE, IPSL), J. Soenke (Geochemistry Mercury cycle, GET), A. Lavrillier (Social anthropology, CEARC, UVSQ), S. Gabyshev (Siberian Reindeer herder), L. Egorova (Evenki Town Observer), M. Lomovtseva (Traditional Knowledge holder Even, Russia), I. Konovalov (Applied Physics, Novgorod, Russia), M. Beekmann (Atmospheric physics).
12h20 – 14h00	<i>Lunch at the Batiment Rabelais (for speakers only)</i>
14h00 – 16h00	<b><i>Inner Workshop Changing Siberia: Interdisciplinary</i></b> K. Law (Atmospheric Physics, LATMOS, UVSQ), J. Fort (Animal Biology, LiENS), J.D. Paris (Atmospheric physics, LSCE, IPSL), J. Soenke (Geochemistry Mercury cycle, GET), A. Lavrillier (Social anthropology, CEARC, UVSQ), S. Gabyshev (Siberian Reindeer herder), L. Egorova (Evenki Town Observer), M. Lomovtseva (Traditional Knowledge holder Even, Russia), I. Konovalov (Applied Physics, Novgorod, Russia), M. Beekmann (Atmospheric physics).
16h00 – 16h20	<i>Coffee Break</i>
16h20 – 17h00	<b><i>Inner Workshop Changing Siberia: Interdisciplinary Reporting</i></b>

Tuesday 11<sup>th</sup> Dec 2018

### INDIGENOUS PEOPLES FACING CHANGES IN CLIMATE & BIODIVERSITY A COMPARATIVE APPROACH AFRICA/ARCTIC

! UVSQ Library Auditorium - 45 Boulevard Vauban, 78280 Montigny

Continue events	5 Pictures exhibits at OVSQ and UVSQ Library
9h30 – 10h00	<i>Coffee Break Offered at Learning Lab</i>
10h20 – 13h00	<b><i>Workshop Indigenous Peoples Facing Changes in Climate &amp; Biodiversity a Comparative Approach Africa/Arctic</i></b> Coord.: H. Kaya and M. Chinsamy (Indigenous Knowledge, CIKS, University of KwaZulu-Natal) & T. Sandré (Student Arctic Studies, UVSQ) <b>* <i>African Traditional Knowledge on Biodiversity and Environmental Management for Climate Change Adaptation:</i></b> - The Use Of African Indigenous Climate Change Early Warning Systems And Indicators - Gender in African Biodiversity, Climate Change Adaptation and Mitigation - African Children in Biodiversity, Climate Change Adaptation and Mitigation Indigenous Languages, Biodiversity and Climate Change

	<p>H. Kaya (Indigenous Knowledge, CIKS, Univ. of KwaZulu-Natal) &amp; M. Chinsamy (IPK Africa, CIKS, Univ. of KwaZulu-Natal)</p> <p>* <u>Comparative Study Around Interactions Between knowledge and Power in order to face climate change</u>, T. Sandré (M2 Student Arctic Studies, and Adaptation to climate change)</p> <p>* <u>African Pastoralists Indigenous Knowledge: Understanding Weather and Climate in Arid and Semi Arid Lands</u>, V. Gonzalez Gonzales (UNESCO, LINKS, Climate Frontline, Africa) (Skype)</p> <p>*(to be confirmed) N. Crawhall, J. Rubis, (UNESCO, LINKS, SI team)</p> <p>* <u>Biodiversity or Geodiversity in Pastoral Systems of Arctic? Conceptual Framework and Practical Implications: the need for a systemic approach</u>, R. Courault (PhD, Geography).</p> <p>* <u>Arctic and Indigenous and Local Knowledge in the IPBES regional Assessments</u>, A. Campodonio (M2 Student, International Relationship, Arctic Studies) (skype)</p> <p>* <u>The labelling of IPK in developing countries</u>, C. Diallo (M2 Student Adaptation to Climate Change UVSQ, from Peuhl Community) –</p> <p>* <u>Arctic Biodiversity under Stress</u>, Z. Alioua (M2 Arctic studies, Phd, Biology).</p> <p>* <u>Indigenous Ecological Knowledge for Adapting to Climate Change and Related Changes in Biodiversity</u>, S. Gabyshev, M. Lomovtseva (Siberian IPK holders, reindeer herder and specialist of medicinal plants), Alexandra Lavrillier (social and cultural anthropology)</p>
13h00 – 14h00	<u>Lunch at the Learning Lab (for speakers only)</u>
14h00 – 14h40	<p><b>Indigenous Peoples Facing Changes in Climate &amp; Biodiversity a Comparative Approach Africa/Arctic</b></p> <p>* <u>We Move with the Birds: Indigenous Knowledge and Pastoral Mobility among the Fulbe of Burkina Faso</u></p> <p>C. Roncoli (Anthropology, Development Anthropology, Emory University) &amp; L. Ilboudo-Nebié (Climatology and IPK, IRI, Columbia Univ.), &amp; H. Dicko (Herder from Peuhl community, Burkina Faso) (by skype)</p>
14h40 – 16h00	<p><b>Public Round table: Inuit and Siberian indigenous people &amp; students "What Can We Learn From Arctic Indigenous Peoples To Better Understand Climate Change?"</b></p> <p>Coord.: J.-M. Huctin (Social Anthropology, CEARC, UVSQ) &amp; A. Lavrillier (Social Anthropology, CEARC, UVSQ)</p> <p>* I. Hansen (Journalist, Greenland and Sámi University of Applied Sciences, Kautokeino), *A. Andreasen (Director Uummannaq Polar Institute, Greenland), * L. Egorova, M. Lomovtseva, S. Gabyshev (Indigenous Knowledge holders), *Inuit youth from Greenland</p>
16h00 – 16h30	<p><b>Book Presentation: "The Wandering Drum Dancer" about Inuit artist Egon Sikivat</b></p> <p>I. Hansen (Journalist, Greenland and Sámi University of Applied Sciences, Kautokeino)</p>
16h40 – 17h00	<u>Ice-Breaking Coffee Break</u>
17h00 – 17h40	<b>Concert Inuit Drum Dances and Siberian Songs</b>

<p>Wednesday 12<sup>th</sup> Dec 2018</p> <p><b>CLIMATE CHANGE &amp; POLLUTION: SOURCES AND IMPACTS</b></p> <p><b>FOR THE ENVIRONMENT AND SOCIETY</b></p> <p><b>AN INTERDISCIPLINARY APPROACH</b></p> <p><b>! OVSQ, Bld d'Alembert, Amphi Mégie - 11 Boulevard D'alembert, 78280 Guyancourt</b></p>	
Continue events	5 Pictures exhibits at OVSQ and UVSQ Library
9h30 – 10h00	<u>Coffee Break</u>
10h00 – 10h20	<b>Official ceremony: Alain BUI - President of UVSQ</b> <b>Inuit and Siberian ceremony</b>
10h20 – 10h40	<u>Greenhouse Gas and the Arctic</u> J.D. Paris (Atmospheric physics, LSCE, OVSQ)
10h40 – 11h00	<u>Sources and Impacts of Arctic Air Pollution</u>

	K. Law (Atmospheric Physics, LATMOS, OVSQ)
11h00 – 11h20	<u>Perception of Pollution in a Siberian Town (Indigenous observation)</u> L. Egorova (Evenki Town Observer)
11h20 – 11h40	<u>Community-Based Observatories in Siberia - Co-Production from Observations of Climate Change and Changes in Biodiversity</u> A. Lavrillier & S. Gabyshev (Anthropology & Siberian Evenki Indigenous Knowledge)
11h40 – 12h00	<u>Study of the Thermal River Imprint of a River (talik) in Central Yakutia (Siberia) - Field Monitoring, Geophysical Characterization, Numerical Modeling and Evolution in the Context of Climate Change.</u> C. Grenier <i>et al</i> (Geomorphology, LSCE, IPSL)
12h00 – 12h20	<u>Understanding the Impact of Current Permafrost Thawing on Environment: Release of Carbon in Central Yakutia (Eastern Siberia)</u> A. Sejourné <i>et al</i> (Geomorphology, GEOPS, Univ. Paris-Sud)
12h20 – 13h00	<u>Perceiving the Arctic Environment and Societies: Some Internal and External Perspectives</u> J. Borm (Arctic Travel Literature, CEARC, UVSQ)
<i>13h00 – 14h00</i>	<i>Lunch at OVSQ (for speakers only)</i>
14h00 – 14h20	<u>Frozen-Ground Cartoons: Permafrost Comics as a Tool for Arctic Science Outreach and Education</u> F. Bouchard (Geomorphology, GEOPS, Univ. Paris-Sud)
14h20 – 14h40	<u>Food Security among Indigenous Populations of Northern Canada (Nunavut)</u> M.F. Labouz (Geopolitics)
14h40 – 15h00	<u>Plastic Pollution In The Arctic: Available Data And Challenges</u> J. Baztan <i>et al</i> (Maritime Geomorphology, CEARC, UVSQ)
15h00 – 15h20	<u>Permafrost Degradation under Climate Change: Experimental Approach in a Cold Room</u> F. Costard (Periglacial geomorphology, GEOPS, Univ. Paris-Sud)
15h20 – 15h40	<u>The Challenges of Climate Change in the Arctic: Qualitative Research with Alaskan and Greenlanders through</u> I. Hansen (Journalist, Greenland and Sámi University of Applied Sciences, Kautokeino, Norway)
15h40 – 16h00	<u>Climate Change in Kamchatka (Siberia): Traditional Knowledge</u> M. Lomovtseva (Siberian IPK Holders, Specialist on Medicinal Plants)
<i>16h00 – 16h20</i>	<i>Coffee break</i>
16h20 – 16h40	<u>Total Column Ozone 2015/2016 Winter Anomalies Over The Territory Of North Russia: Measurements, Numerical Modeling And UV Radiation</u> I. Timofeev and/or Smyshlyaev S. <i>et al</i> (Atmospheric physics, Russian State Hydrometeorological University, Saint Petersburg.)
16h40 – 17h00	<u>Bridging Sami Herders' Knowledge And Science For Ecological Restoration Of Reindeer Lichen Pastures After Forest Fire In Northern Sweden</u> S. Roturier (Ethno-biology, CNRS and AgroParisTech, Université Paris Saclay/ Univ. Paris Sud)
17h00 – 17h20	<u>Ground Testing Risk Models for Permafrost Thaw: Lessons from Bykovsky (Sakha Republic, Russian Federation) and Tuktoyaktuk (Northwest Territories, Canada).</u> J.P.Vanderlinden <i>et al.</i> (Economics, CEARC, UVSQ)
17h20 – 18h00	<b>Arctic Films Screenings &amp; Meeting with public</b>

Thursday 13 <sup>th</sup> Dec 2018 <b>ARCTIC CLIMATE:</b> <b>CLIMATOLOGY, PHYSICS AND ATMOSPHERIC PHYSICS</b> OVSQ, Bld d'Alembert, Amphi Mégie - 11 Boulevard D'Alembert, 78280 Guyancourt	
Continue events	5 Pictures exhibits at OVSQ and UVSQ Library
<i>10h00 – 10h20</i>	<i>Coffee Break</i>
10h20 – 10h40	<u>Polar Tropospheric Clouds Studied from Space: the Antarctic Example</u>

	<i>C. Listowski (Atmospheric physics, LATMOS, OVSQ)</i>
10h40 – 11h00	<u><i>Extreme Weather in the Arctic</i></u> C. Claud (Climatology, LMD, OVSQ)
11h00 – 11h20	<u><i>Polar Stratospheric Ozone: is there a Trend?</i></u> A. Pazmino (Atmospheric Physics, LATMOS, OVSQ)
11h20 – 11h40	<u><i>Polar Stratospheric Dynamics and Link with the Arctic Climate</i></u> A. Hauchecorne (Atmospheric Physics, LATMOS, OVSQ)
11h40 – 12h00	<u><i>Siberian Fires and their Effects on the Arctic</i></u> I. Konovalov (Applied Physics, Novgorod, Russia)
12h00 – 12h20	<u><i>Polar Stratospheric Cloud Measurements at the Antarctic French Station Dumont d'Urville</i></u> G. Jumelet (Atmospheric physics, LATMOS, OVSQ)
12h20 – 13h00	<u><i>Human Security in the Canadian Arctic</i></u> M. Vullierme (Political Sciences, CEARC, UVSQ)
<i>13h00 – 14h00</i>	<i>Lunch (for speakers only)</i>
14h00 – 14h20	<u><i>Energy Transition and the Arctic: an issue</i></u> P. Schembri (Economy and Energy Transition, CEARC, UVSQ)
14h20 – 16h25	<b>Round-Table <i>Changes in Siberian Rivers Dynamics: A Transdisciplinary Approach</i></b> Coord.: E. Gautier (Geomorphology, LGP, University of Paris 1 P-Sorbonne) <i>*Trends in Geomorphological Changes in Siberian Rivers</i> E. Gautier (Hydrology, Geomorphology, LGP, CNRS) <i>* Pollution of the Viliui Basin Caused by Climate Change Extrem Event – a Case Study from 2018</i> L. Makarova (M2 student Arctic Studies, from Yakut community) <i>*Indigenous Knowledge for Understanding Effects of Climate Change on Siberian Rivers</i> S. Gabyshev (Evenki Reindeer Herder and co-researcher, CEARC) <i>* Industry-Related Transformations in River Landscapes Used by Nomads</i> A. Lavrillier (Social anthropology, CEARC, UVSQ) <i>*Estimating Decharge in Cold regions</i> Flore Sergeant (PhD student, Hydrology, Laval University)
<i>16h25 – 16h40</i>	<i>Coffee break</i>
16h40 – 17h00	<u><i>Permafrost thaw in Russian Arctic coast: material and cultural dimensions at risk</i></u> N. Doloisio (PhD Student, UVSQ) & JP. Vanderlinden (Economy/transdisciplinarity, CEARC, UVSQ)

Friday 14th Dec 2018 <b>ARCTIC INDUSTRIAL TOWNS: AN INTERDISCIPLINARY APPROACH</b> & <b>EDUCATION, TRANSMISSION, SOCIAL WORK AND WELL BEING</b> OVSQ, Amphi Mégie - 11 Boulevard D'Alembert, 78280 Guyancourt	
Continue events	5 Pictures exhibits at OVSQ and UVSQ Library
<i>9h30 – 10h00</i>	<i>Coffee Break</i>
10h00 – 12h20	<b>Workshop <i>Arctic Industrial Towns: An Interdisciplinary Approach</i></b> Coord.: Y. Vaguet ANR PUR (Geographer, IDEES, University of Rouen) <i>* Noyabrsk: from a Pioneer Town to a City in Globalisation</i> Y. Vaguet (Geography, IDEES, Rouen University) <i>* Centrality and its Measure in the Arctic</i> C. Ourng (GIS, PhD student, IDEES, Rouen University) <i>* Using Social Network Data to Analyse Cities</i> A. Cebeillac (Geographer, Post-doc, ANR PUR) <i>* Roads and Roadlessness in Siberia</i> T. Argunova-Low (Anthropology, University of Aberdeen) <i>* A subarctic Town – Tynda</i> E. Egorova (Evenki town observer)

	<p>* <u><i>The Town of Yakutsk</i></u> L. Makarova (M2 student Arctic Studies, from Yakut community)</p>
12h20 – 12h40	<p><u><i>In the the Eyes of Inuit and Cree Youth: Homeland Videos in Nunavik (Kuujuarapik, Kangiqsujaq, Whapmaoostui)</i></u> F. Joliet (Geography, AgroCampus Ouest) &amp; L. Chanteloup (Geolab, University of Limoges)</p>
12h40 – 13h00	<p>* <u><i>The University of the Arctic</i></u> O. Snellman (Vice-President of the University of the Arctic)</p>
<i>13h00 – 14h00</i>	<i>Lunch (for speakers only)</i>
14h00 – 17H00	<p><u><i>Round-Table Discussion: Education, Transmission, Social Work &amp; Well Being</i></u> Coord.: J.M. Huctin and A. Lavrillier (Anthropology, CEARC, UVSQ, OVSQ) 14H00 – 15H20: <u><i>Guest speakers</i></u> * O. Snellman (International Relations, VP University of the Arctic, Lapland University); * A. Andreasen (Director Uummannaq Polar Institute &amp; Children's home, Greenland); * I. Hansen (Journalist, Greenland and Sámi University of Applied Sciences, Kautokeino) * H. Kaya (Indigenous Knowledge, CIKS, University of KwaZulu-Natal), <u><i>African Indigenous Knowledge in Educational Transformation and Sustainable Livelihood and Development: The Role of the CIKS</i></u>. 1. Approaches to Educational Transformation (Paradigm Shift in Knowledge Production, Management and Protection) &amp; Excellence through Relevance (Bringing academia (lab) research into community engagement; Inclusion of IK-holders and practitioners in research process) * M. Lomotseva (Traditional Knowledge holder Even, Russia) &amp; S. Gabyshev (Traditional Knowledge Holders), <u><i>The Importance of Indigenous Knowledge Transmission of to Younger Generations in Siberia</i></u>.</p>
	<i>15h20-15h40 – Coffee break</i>
	<p>15h40-17h00 Workshop <u><i>Education, Transmission, Social Work &amp; Well Being</i></u> Coord.: J.M. Huctin and A. Lavrillier (Anthropology, CEARC, UVSQ, OVSQ) * <u><i>Being Autonomous and Caring for Others: Two Human Skills Transmitted in Nunavik Childcare Centers</i></u> A. Benoit (Anthropology, INALCO) * <u><i>Resilience of Young Inuit: The Youth Houses in Nunavik</i></u> V. Antomarchi (Cultural Geography, CERLOM-INALCO) * <u><i>A Nomadic School among Reindeer Herders of Siberia 2006-2018</i></u> A. Lavrillier (Social anthropology, CEARC, UVSQ) * <u><i>The Greenlandic School System in Relation with Helping Children who are Struggling with Social Issues</i></u> K. Rafiie (Sociology, M2 Arctic Studies, UVSQ) * <u><i>Promoting Youth Resilience in Education and Social-Work: Lessons Learned from Fieldwork in Greenland</i></u> JM Huctin (Social Anthropology, CEARC, UVSQ) Questions and Discussions</p>
17h00 – 17h30	Conference Conclusion
17h30 – 18h30	<b><i>Closing Event with Indigenous Round-Dance &amp; Group Picture</i></b>

**Organising committee:** Associate professors: A. Lavrillier (CEARC UVSQ-OVSQ), J.M. Huctin (CEARC UVSQ-OVSQ), J. Gherardi (LSCE); Students from the Master 2 Arctic Studies UVSQ-OVSQ: T. Sandré, M. Amazigh, M. Le Poizard, I. Knysh, L. Goyhenex, *et al.*; Student from M2 Développement durable agricole: L. Kibwankay.

**Scientific Committee:** A. Lavrillier, J.-D. Paris (LSCE), J.-M. Huctin, J. Borm (CEARC), Ch. Claud (OVSQ), K. Law (LATMOS), J. Gherardi (LSCE), Ph. Keckhut (LATMOS).

**The conference idea was based on the wish of S. Gabyshev (Reindeer herder and co-researcher) and the Arctic Network of OVSQ “Environment and Societies facing Global Issues” who wanted to bring together social and environmental scientists, Arctic indigenous peoples and the UVSQ students.**