

An International & Transdisciplinary Conference
 Bridging Indigenous and Scientific Knowledge



ARCTIC WEEK 2019

9th-13th December - Ministry of Europe and Foreign Affairs



Conference under the high patronage of the Minister of Europe and Foreign Affairs
 Chaired by Ségolène Royal, Ambassador for the Arctic and Antarctic Poles



Conference coordinated by Alexandra Lavrillier, Tanguy Sandré and Jean-Michel Huctin



MONDAY 9TH DECEMBER 2019

Welcome

9:00-9:30

MONDAY 9TH DECEMBER 2019

SESSION 1A OPENING

9:30-12:00

Session with translation in French and English.

PRESENTATION OF ARCTIC WEEK (9:30-9:45)

[Ségolène Royal](#), French Ambassador for the Arctic and Antarctic Poles, President of COP21, Former Minister of Environment, Energy and the Sea, Honorary Member of Parliament.

[Alexandra Lavrillier](#), Deputy-Director for the Arctic of CEARC – University Versailles Saint-Quentin-en-Yvelines (UVSQ), Coordinator of the Arctic Network of OVSQ (France), [Semen Gabyshev](#), CEARC – UVSQ/Reindeer Herder (Russia) and [Jean-Michel Huctin](#), CEARC – UVSQ (France).

GUEST OF HONOUR (9:45-10:30)

[Henry de Lumley](#), Correspondent Member of Academy of Sciences (France), President of Institute of Human Palaeontology (Monaco): *“Rock engravings of Kanozero”*.

[Terry V. Callaghan](#), Nobel Peace Prize 2007, Lead Author of IPCC Fourth Assessment Report Chapter on Polar Regions (United Kingdom): *“Power networking”*.

[Yvon Le Maho](#), Director of Research at CNRS, Member of Academy of Sciences (France): *“The Biodiversity of Poles as source of biomedical innovation”*.

[Outi Snellman](#), Vice-President of UArctic (Finland).

[Jean-Louis Etienne](#), Explorer, first man to reach the North Pole alone in 1986 (France): *“Why the Arctic attracts covetousness?”*.

[Anders Oskal](#), Secretary General of Association of World Reindeer Herders (Norway).

[Jan Borm](#), Representative of Jean Malaurie, Director of Studies at EHESS (France) and UNESCO Goodwill Ambassador: *“The Future of the Arctic”*.

KEYNOTE SPEAKERS (10:30-12:00)

[Alain Bui](#), President of UVSQ (France).

[Sylvie Retailleau](#), President of Paris-Saclay University (France).

[Jan Borm](#), Vice-President in charge of international relations, founder of the Arctic Studies program at UVSQ (France): *“Ten Years of Arctic Studies at the University of Versailles Saint-Quentin-en-Yvelines/ Paris-Saclay University”*.

[Chantal Claud](#), Director of the Observatory Versailles Saint-Quentin-en-Yvelines (OVSQ) (France).

[Cyril Moulin](#), Deputy-Director of INSU-CNRS (France): *“Strategy INSU”*.

[Aude Sonnevile](#), Director of communication of IPEV (France).

[Henrik Harboe](#), Deputy to the Ambassador of Norway.

[Stéphanie Vermeersch](#), Deputy-Director of INSHS-CNRS, adviser for polar affairs at INSHS-CNRS (France).

[Jérôme Fort](#), Adviser for polar affairs at INEE-CNRS (France).

[Emmanuèle-Gautier](#), Director of GDR2012 Arctic: Environment and Society (France).

[Philippe Keckhut](#), Director of LATMOS (France).

[Jean-François Huchet](#), President of INALCO (France).

[Anne Choquet](#), Brest Business School, member of CNFRA (France): *“The CNFRA and polar research”*.

[Ann Andreasen](#), Director of Ummannaq Polar Institute (Greenland).

[André Torre](#), Director of MSH Paris-Saclay (France).

[Jeroen Sonke](#), Geosciences Environnement Toulouse (France): *“The French Arctic Initiative - Pollution in the Arctic System (PARCS) project highlights”*.

SESSION 1B	GROUP PICTURE AND INDIGENOUS PERFORMANCE:	12:00-12:30
	SIBERIAN AND INUIT DRUM DANCE AND SONGS , by	
	<i>Maïa Lomovtseva-Adukanova (Even, Kamchatka) and</i>	
	<i>Ummannaq Polar Institute (Inuit, Greenland).</i>	

Lunch

12:30-13:30

MONDAY 9TH DECEMBER 2019

SESSION 2 SCIENCE AND INDIGENOUS KNOWLEDGE

13:30 - 15:50

COLLABORATION, coordinated by Terry Callaghan and
Alexandra Lavrillier.

[Terry Callaghan](#), Founder, INTERACT and co-founder, SecNet (United Kingdom): *“From observation to wisdom: exploring strengths and weaknesses of two fundamental ways of knowing”*.

[Rowenna Gryba](#), University of British Columbia (Canada), [A. Von Duyke](#), [H. Huntington](#), [C. George](#), [F. K. Wiese](#), [P. Molloy](#) and [M. Auger-Méthé](#): *“Indigenous knowledge for species habitat and movement models: A case study on ice-seals in Alaska”*.

[Liudmila Egorova](#), Co-Researcher (Russia): *“Acceptance of the first symptoms of climate change in weather monitoring during the Soviet era (indigenous knowledge and meteorology)”*.

[May-Britt Ohman](#), Lule/Forest Sámi scholar, Uppsala University and Luleå University of Technology (Sweden): *“Indigenous Climate Change Studies: An upcoming research field”*.

[Alexandra Lavrillier](#), CEARC – UVSQ (France), and [Semen Gabyshev](#), CEARC – UVSQ/Reindeer Herder (Russia): *“Indigenous knowledge and science co-production in Siberia: documenting an indigenous science for understanding environmental norms and anomalies”*.

[Niklas Labba](#), reindeer herder (Sweden), and [Sylvie Blangy](#), CEFE (France): *“A Sameby-driven research project investigating the cumulative impacts of environmental and social change on reindeer herding and the future for Saami youth”*.

Coffee Break

15:50-16:20

MONDAY 9TH DECEMBER 2019

SESSION 3 PERMAFROST ECOSYSTEMS IN A WARMING WORLD: 16:20-18:40
INTER-DISCIPLINARY APPROACHES TO BETTER TACKLE
THE IMPACT OF HIGH-LATITUDE ALTERATIONS,

coordinated by Julien Fouché, Frédéric Bouchard and Yannick Agnan.

[Catherine Hirst](#), UCLouvain (Belgium), [S. Opfergelt](#) (Belgium), [F. Gaspard](#) (Belgium), [K.R. Hendry](#) (United Kingdom), [J.E. Hatton](#) (United Kingdom), [D. McKnight](#) (United States), [S. Welch](#) (United States) and [W.B. Lyons](#) (United States): *"Insights from Antarctica: tracing the contribution from permafrost weathering to a glacial stream"*.

[Flore Sergeant](#) and [R. Terrien](#), University of Laval (Canada): *"Arctic river streamflow records: a precious indicator to predict permafrost dynamics at a regional scale"*.

[Emmanuèle Gautier](#), University Paris I (France), [J. Cavero](#) (France), [A. Fedorov](#) (Russia), [P. Konstantinov](#) (Russia), [T. Depret](#) (France), [M. Jammet](#) (France), [C. Pont](#) (France) and [C. Vermoux](#) (France): *"Vulnerability of a permafrost-dominated river"*.

Poster Pitches:

- [Elisabeth Mauclet](#), UCLouvain (Belgium), [S. Opfergelt](#) (Belgium), [A. Monhonval](#) (Belgium), [C. Hirst](#) (Belgium), [A. Piette](#) (Belgium), [L. Debruxelles](#) (Belgium) and [E. A.G. Schuur](#) (United States): *"Effect of thawing permafrost on soil mineral element distribution: case study in Interior Alaska"*.
- [Arthur Monhonval](#), UCLouvain (Belgium), [S. Opfergelt](#) (Belgium), [E. Mauclet](#) (Belgium), [C. Hirst](#) (Belgium), [J. Strauss](#) (Germany), [G. Grosse](#) (Germany), [L. Schirmer](#) (Germany) and [P. Kuhry](#) (Sweden): *"Influence of Holocene thermokarst activities on mineral element content in Yedoma deposits"*.
- [Maxime Thomas](#), UCLouvain (Belgium), [S. Opfergelt](#) (Belgium), [A. Monhonval](#) (Belgium), [N. Bemelmans](#) (Belgium), [M. Lafrenière](#) (Canada), [J. Heslop](#) (Canada), [J. Fouché](#) (Belgium) and [T. Rochereau](#): *"Impact of modern thermokarst on mineral element release: case study in Cape Bounty, Canada"*.
- [Alienor Allain](#), Sorbonne University (France), [M. Alexis](#) (France), [Y. Agnan](#) (France/Belgium), [E. Parlanti](#) (France), [M. Sourzac](#) (France), [C. Anquetil](#) (France), [E. Aubry](#) (France), [A. Guittet](#) (France), [F. Alliot](#) (France) and [M. Castrec-Rouelle](#) (France): *"Chemical characterization of water extractable organic matter from plants: A better understanding of dissolved organic matter sources in permafrost thawing regions"*.
- [Joseph Gaudard](#), [E. Pickering Pedersen](#) and [A. Michelsen](#), University of Copenhagen (Denmark): *"Carbon ecosystem - atmosphere exchange in arctic tundra in response to environmental changes"*.

[Lara Hughes-Allen](#), Paris-Sud University (France), [F. Bouchard](#), [A. Séjourné](#), [C. Marlin](#), [F. Costard](#) and [C. Hatté](#) (France): *"Strikingly different seasonal greenhouse gas concentrations from different types of lakes in Central Yakutia"*.

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[Dahédrey Payandi-Rolland](#), University of Toulouse (France), [L. S. Shirokova](#) (France/Russia), [P. Nakhle](#) (France), [A. Abdou](#) (France), [M. Tesfa](#) (France), [C. Causserand](#) (France), [B. Lartiges](#) (France), [J-L. Rols](#) (France), [F. Guérin](#) (France), [P. Bénézeth](#) (France) and [O. S. Pokrovsky](#) (France/Russia): *“Aerobic release and biodegradation of dissolved organic matter from frozen peat”*.

[Frederic Bouchard](#), Paris-Sud University (France), [Marie Alexis](#), Sorbonne University (France), [J. Fouché](#) (Belgium), [Y. Agnan](#) (Belgium), [L. Gandois](#) (France) , [A. Séjourné](#) (France) and [L. Shirokova](#): *“The interdisciplinary network on permafrost ecosystems: biochemical dynamics from soils to rivers in permafrost environments”*.

TUESDAY 10TH DECEMBER 2019

Welcome

9:00-9:30

KEYNOTE SPEAKERS, coordinated by *Ségolène Royal*

9:30-9:50

[Graham Paul](#), French Ambassador to Iceland: *"The Icelandic Chairmanship of the Arctic Council"*.

[Jean-Daniel Paris](#), LSCE (France): *"French-Russian Collaboration on Environmental Changes in Siberia"*.

TUESDAY 10TH DECEMBER 2019

SESSION 4 **NATURAL HAZARDS, HUMAN IMPACTS**, coordinated by *Armelle Decaulne*.

9:50-11:40

[Olga Shadyko](#), Tomsk State University (Russia), [L. Rakhmanova](#) (Russia), [S. Kirpotin](#) (Russia) and [T. V. Callaghan](#) (Russia/United Kingdom): *"Changing land use and global warming as drivers of environmental change in the Siberian taiga: adapting forestry, hunting and fishing, and agriculture"*.

[Armelle Decaulne](#), CNRS-LETG (France), [N. Bhiry](#) (Canada) and [S. Veilleux](#) (Canada): *"Impacts of Slope Dynamics on Nunavik Communities and their Development"*.

[Anton Iantsen](#) (Russia), [Magali Vullierme](#), CEARC – UVSQ/IRSEM (France), and [Natalia Doloisio](#), CEARC – UVSQ (France): *"Social Impacts of Permafrost Thaw in Coastal Northern Siberia"*.

[Emilie Gauthier](#), University of Bourgogne Franche-Comté (France), [V. Bichet](#) (France), [H. Richard](#) (France), [E. Masson-Maclean](#) (France), [D. Gremillet](#) (France), and [J. Fort](#) (France): *"Interactions between sea birds, climate and hunting during the last millennium. A study case at Cap Hoegh, Eastern Greenland"*.

INDIGENOUS PERFORMANCE: SIBERIAN AND INUIT

11:40-12:00

DRUM DANCE AND SONGS, by *Maia Lomovtseva-*

Adukanova (Even, Kamchatka) and Uummannaq Polar Institute (Inuit, Greenland).

Lunch

12:00-13:30

TUESDAY 10TH DECEMBER 2019

SESSION 5 SAAMI AND INUIT RIGHTS: NORSIL NETWORK,

13:30 -15:30

coordinated by Dorothée Cambou.

[Mana Tugend](#), University of Akureyri (Iceland) and [Dorothée Cambou](#), University of Helsinki (Finland): "*Marine Protected Areas and Indigenous Rights: the Case of Inuit Rights*".

[Sara Fusco](#), Ilisimatusarfik – University of Greenland and University of Akureyri (Iceland): "*The legal position of Inuit in the exploitation of natural resources in Greenland*".

[Nana Amalie Harbo](#), University of Aarhus (Denmark): "*Navigating the legal regime for protection of the Greenlandic marine environment*".

[Jan Mikael Lundmark](#), Durham University (United Kingdom): "*18th Century Legal Principles' Contemporary Value for Human Rights Protection – The Case of the Nordic Sami Peoples' Protection of Traditional Livelihood*".

[Gunilla Larsson](#), Uppsala University (Sweden): "*Sámi Archaeology and Indigenous Rights*".

[Ulf Mörkenstam](#), Stockholm University (Sweden): "*Indigenous peoples' right to self-determination: perceptions of self-determination among the Sámi electorate in Sweden*".

[Elsa Edynak](#), Rouen University Centre for Legal Studies (France): "*Indigenous Peoples in the Arctic Council*".

[Eda Ayaydin](#), CEARC – UVSQ (France): "*Tourism in Lapland: Preservation of Indigenous Culture?*".

Coffee Break**15:30-16:00**

TUESDAY 10TH DECEMBER 2019

SESSION 6 **REVITALIZATION OF TRADITIONAL PRACTICES AND BELIEFS RELATED TO TERRITORY IN ARCTIC AND SUB-ARCTIC CULTURES**, *coordinated by Laine Chanteloup and Fabienne Joliet.* **16:00-18:00**

[Fabienne Joliet](#), Agrocampus West Angers (France), [Laine Chanteloup](#), UNIL (Switzerland), and [Thora Herrmann](#), University of Montreal (Canada): “We, young indigenous people from Nunavik”.

[Lialko Zakharova](#), North-Eastern Federal University (Russia), and [Sergey Krivoschapkin](#), Herzen State Pedagogical University (Russia): “Teaching native (Even) and foreign language to preschool children in the conditions of nomadic life”.

[Christiane Drieux](#), LAS (France): “Greenland - The Inughuit's dogs: the qimmiq”.

E. Cohen-Bucher (Canada) and [Laine Chanteloup](#), UNIL (Switzerland): “The socio-cultural interrelations between dogs and people in the Naskapi Nation of Kawawachikamach”.

[M. M. Jocelyne Fernandez-Vest](#), CNRS – LACITO (France): “Sápmelaš, a unique multidisciplinary voice from the Arctic: 70 years of cultural change”.

[Michael Delauney](#), CEARC – UVSQ (France): “The Internet: a tool to engage in political debate and to assert the Inuit identity”.

FILM **NUNAVIK BY NUNAVIMIUT YOUTH VIDEOS**, *by Laine Chanteloup, Fabienne Joliet and Thora Herrmann.* **18:00-19:00**
SCREENING

WEDNESDAY 11TH DECEMBER 2019
Welcome
9:00-9:30

WEDNESDAY 11TH DECEMBER 2019

SESSION 7 TOWARDS IMPROVED UNDERSTANDING OF THE ARCTIC 9:30-12:00
EARTH SYSTEM AND CLIMATE CHANGE, *coordinated by*
Christophe Grenier.

[Andis Orsi](#), LSCE (France): *"Evidence of recent warming in Greenland"*.

[Sergei Smyshlyaev](#) and [Maria Cherepova](#), Russian State Hydrometeorological University (Russia): *"Arctic methane hydrates: local and global impact on the climate, ozone and other gases"*.

[Christophe Leroy-Dos Santos](#), LSCE (France): *"Atmospheric dynamics studies in the Arctic: the added value of water vapour isotopic composition measurement in Svalbard"*.

[Sophie Godin-Beekmann](#), LATMOS (France), [A. Pazmino](#) (France), [F. Goutail](#) (France), [A. Hauchecorne](#) (France), [C. Claud](#) (France), [F. Lefèvre](#) (France), and [J.-P. Pommereau](#) (France): *"Estimating the first signs of ozone layer recovery in the Arctic"*.

[Audrey Lecouffe](#), LATMOS (France), [S. Godin-Beekmann](#) (France), [A. Pazmino](#) (France) and [A. Hauchecorne](#) (France): *"Evolution of the stratospheric polar vortex in the Southern and Northern Hemisphere over the period 1979 – 2018"*.

[Eleonora Fossile](#), University of Angers (France), [M. P. Nardelli](#) (France), [A. Jouini](#) (France), [B. Lansard](#) (France), [A. Pusceddu](#) (Italy), [E. Michel](#) (France), [O. Peron](#) (France), [H. Howa](#) (France) and [M. Mojtahid](#) (France): *"Benthic foraminifera as tracers of brine production in the Storfjorden 'sea-ice factory'"*.

[Yannick Agnan](#), UCLouvain (Belgium), [Marie Alexis](#), Sorbonne University (France), [A. Kohli](#) (France), [É. Parlanti](#) (France), [S. Derenne](#) (France), [M. Sourzac](#) (France), [C. Anquetil](#) (France), [D. Obrist](#) (United States) and [M. Castrec-Rouelle](#) (France): *"Arctic soil organic matter under climate change: a key component for environmental processes"*.

[Madeleine Griselin](#), CNRS (France), [F. Tolle](#) (France), [S. Schiavione](#) (France), [E. Bernard](#), [J.-M. Friedt](#) (France) and [C. Marlin](#) (France): *"At the bedside of a small Spitsberg glacier: 11 years of observation in a context of climate change"*.

[Sarah Fleury](#), LEGOS (France): “Monitoring the decline of the Arctic ice pack from space”.

Lunch

12:00-13:30

WEDNESDAY 11TH DECEMBER 2019

SESSION 8 INDIGENOUS PEOPLES RIGHTS IN THE CONTEXT OF 13:30 - 15:30
ENERGY, CLIMATE AND ENVIRONMENTAL (IN)JUSTICES:

UARCTIC THEMATIC NETWORK ASRSR, *coordinated by*

Dorothee Cambou.

[Dorothee Cambou](#), University of Helsinki (Finland), and [Greg Poelzer](#), University of Saskatchewan (Canada): “Enhancing Energy justice in the Arctic: An appraisal of the participation of Arctic indigenous peoples in the transition to renewable energy”.

[Gisele M. Arruda](#), Anvivo Polar Research and Coventry University London (United Kingdom), and [S. Krutkowski](#) (United Kingdom): “Finding consensus on sustainability: decolonising the discourse and widening climate change conversations to advance the SDG agenda”.

[Karin Buhmann](#), Copenhagen Business School (Denmark): “Public participation in decision-making in natural resource usage for renewable energy: comparing experiences from the Arctic and South Africa”.

[Nina Larsson](#), Gwich'in First Nation (Canada): “Gwich'in leading the way in the transition to renewable energies in a Canadian Arctic climate”.

[Adele de Mesnard](#), University Jean Moulin Lyon 3 (France): “The right of Arctic indigenous communities to freely decide their future in the face of climate-induced relocation”.

[Jean-Pierre Desideri](#), Paris-Saclay University (France), [Liubov Barabanskaia](#), D. Sangi and A. Sleptsov, North Eastern Federal University (Russia): “Assessing the social impact of industrial projects on the indigenous peoples of the Arctic as an instrument of social and environmental responsibility of business”.

[Odile Delfour-Samama](#), University of Nantes (France): “Can Arctic be protected by law?”.

Coffee Break**15:30-16:00**

WEDNESDAY 11TH DECEMBER 2019

SESSION 9 ARCTIC CHANGE, TRADITIONAL KNOWLEDGE AND 16:00-18:00
WORLD REINDEER HERDING - A SNAPSHOT OF ARCTIC
REALITIES *(community-driven session lavvu discussion)*

Participants: [Niklas Labba](#), Reindeer herder (Sweden), [Anders Oskal](#), Sámi, Association of World Reindeer Herders (Norway), [Alena Gerasimova](#), Evenki, First Vice-Chair of Association of World Reindeer Herders (Russia), [Issat Turi](#), Sámi Reindeer herder, Association of World Reindeer Herders (Norway), [Johannes Paivio](#), Sámi Reindeer herder, Sweden (Russia), [Elna Sara](#), Sámi, Association of World Reindeer Herders (Norway) and [May-Britt Öhman](#), Lule/Forest Sámi scholar, Uppsala University and Luleå University of Technology (Sweden).

Discussants: [Inger Anita Smuk](#), Sámi, Chair of Association of World Reindeer Herders (Norway), Board, [Henrik Andersson](#), Forest Sámi reindeer herder (Sweden), [Hampus Andersson](#), Sámi youth (Sweden), [Anna-Kajsa Aira](#), Sámi reindeer herder, language teacher and cultural worker (Sweden), [Semen Gabyshev](#), CEARC co-researcher/Evenki Reindeer herder (Russia), [Lars-Anders Kuhmunen](#), Sámi Reindeer herder (Sweden), [Rosa Maren Magga](#), Sámi, Association of World Reindeer Herders (Finland), [Maia Lomovtseva-Adukanova](#), Even consultant/Reindeer herder (Russia), [Svetlana Avelova](#), Evenki, Project manager, International Center for Reindeer Husbandry (Russia).

FILM WHEN THE CLIMATE APOCALYPSE COMES, I'LL MAKE IT: 18:00-18:20
SCREENING 16-YEAR-OLD HAMPUS ANDERSSON'S SURVIVAL
MONTH LIVING OFF THE LANDS AND WATERS OF
NORRBOTTEN, SWEDEN, *by Hampus Andersson.*

Break**18:20-18:30**

PROJECT PRESENTATION

18:30-19:20

[Stéphanie C. Lefrère](#), Finnish Environment Institute (Finland): *“Interactive exhibition as tool for raising public awareness on climate change in the Arctic”*.

[Liss Stender](#) and [Peter Jensen](#) (Greenland): *“Inuk Media and Inuk Design experiences in Greenland”*.

[Stéphane Niveau](#) (France): *“L’Espace des Mondes Polaires”*.

[Philippe Nicolas](#) (France): *“Schools facing the biggest challenge of the 21st century: the ‘Cap au Nord 2020’ project”*.

[Ann-Isabelle Guyomard](#) and [Philippe Hercher](#) (France): *“Art residences in the Artist House of Akunnaaq, Greenland”*.

[Sophie Simonin](#) and [Tobias Carter](#) (France): *“Presentation of the expedition Unu Mondo”*.

[Sylvie Teveny](#) and [Marine Vanlandeghem](#): *“Inuksuk Association”*.

THURSDAY 12TH DECEMBER 2019

Welcome

9:00-9:30

THURSDAY 12TH DECEMBER 2019

SESSION 10 VISIONS FOR REAL SUSTAINABLE DEVELOPMENT BASED ON REINDEER HERDING KNOWLEDGE AND RESOURCES 9:30-12:15

(Community-driven session lavvu discussion)

Participants: [Inger Anita Smuk](#), Sámi, Chair board of Association of World Reindeer Herders (Norway), [Niklas Labba](#), Reindeer herder (Sweden), [Anders Oskal](#), Sámi, Association of World Reindeer Herders (Norway), [Lars-Anders Kuhmunen](#), Sámi Reindeer herder (Sweden), [Rosa Maren Magga](#), Sámi, Association of World Reindeer Herders (Finland), [Semen Gabyshev](#), CEARC co-researcher/Evenki Reindeer herder (Russia), [Henrik Andersson](#), Forest Sámi reindeer herder (Sweden), [Hampus Andersson](#), Sámi youth (Sweden), [Anna-Kajsa Aira](#), Sámi reindeer herder, language teacher and cultural worker (Sweden).

[Tatyana Romanenko](#), Researcher, expert in reindeer herding and meat quality (Russia), and [Yana Voycehovskaya](#), project co-ordinator in the Nenets Autonomous District, interpreter: *"Export-oriented reindeer herding in Arctic Russia"*.

[Aline Duplaa](#) and F. Blanc, CLS (France): *"Satellite technologies to support a sustainable reindeer herding, a large-scale demonstration project in Russia"*.

Discussants: [Alena Gerasimova](#), Evenki, First Vice-Chair of Association of World Reindeer Herders (Russia), [Issat Turi](#), Sámi Reindeer herder, Association of World Reindeer Herders (Norway), [Johannes Paivio](#), Sámi Reindeer herder (Sweden), [Elna Sara](#), Sámi, Association of World Reindeer Herders (Norway), [Maia Lomovtseva-Adukanova](#), Even consultant/Reindeer herder (Russia), [Svetlana Avelova](#), Evenki, Project manager, International Center for Reindeer Husbandry (Russia)

Lunch

12:15-13:30

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SESSION 11 EXTRACTIVE RESOURCE DEVELOPMENT AND THE 13:30-15:30
SUSTAINABILITY OF ARCTIC COMMUNITIES, *coordinated*
by Chris Southcott.

[Chris Southcott](#), Lakehead University (Canada): *“Can extractive resource development help Arctic Communities become sustainable? Results from ReSDA”*.

[Brenda Parlee](#), University of Alberta (Canada), and [Evelyn Marlowe](#), Lutsel K'e Dene First Nation (Canada): *“Resource development and well-being in Indigenous communities”*.

[Lee Huskey](#), UAlaska Anchorage (Canada), and [Andrey N. Petrov](#), University of Northern Iowa (United States): *“Sustainability and Resource Development in Arctic North America”*.

[Thierry Rodon](#), University of Laval (Canada), and [Réal McKenzie](#), Chief, Innu Matimekush-Lac John (Canada): *“Mines and Indigenous Communities in Northern Canada: Conflicting Narratives and Research Needs”*.

[Ninis Rosqvist](#), Stockholm University (Sweden), and [Niila Inga](#), Swedish Sámi organization Svenska Samernas Riksförbund (Sweden): *“Combining science and indigenous knowledge to assess cumulative impacts from climate change and resource exploitation in Arctic Sweden”*.

[Florian Vidal](#), Paris Interdisciplinary Energy Research Institute (France): *“Mining in the Russian Arctic: Historical Perspective and Industrial Resurgence”*.

[Olga Noshchenko](#) and [Daria Kolesnikova](#), National Research University (Russia): *“High North region's socio-economic sustainability: comparative analysis of case Yamalo-Nenets Autonomous district (Russia) and Finnmark (Norway)”*.

Coffee Break

15:30-16:00

THURSDAY 12TH DECEMBER 2019

SESSION 12A **EDUCATION AND YOUTH: SOCIAL WORK AND WELL-BEING**, coordinated by Jean-Michel Huctin and Véronique Antomarchi. **16:00-17:00**

[Ann Andreasen](#), Uummannaq Polar Institute (Greenland), and [Jean-Michel Huctin](#), CEARC – UVSQ (France): “Child neglect and resilience of young residents from residential institutions in Greenland”.

[Ekaterina Prudkikh](#) (Russia): “A changing Arctic: the place of children from ethnically mixed families in Siberia”.

[Véronique Antomarchi](#), Paris Descartes (France): “Youth houses and the role of socio-cultural activities in Nunavik”.

[Mikael Pirak](#), Sami School in Jokkmokk (Sweden), and [Sylvie Blangy](#), CEFÉ (France): “Inuit Sami Youth exchange program in Baker Lake Nunavut and Jokkmokk Sweden”.

Break **17:00-17:15**

THURSDAY 12TH DECEMBER 2019

SESSION 12B **EDUCATION AND YOUTH: SCHOOLING AND TRANSMISSION**, coordinated by Jean-Michel Huctin and Ann Andreasen. **17:15-18:30**

[Carole Ferret](#), CNRS – LAS (France): “The emergence of ecology in kindergartens of the post-Soviet Sakha-Yakutia”.

[Aviaq Reimer Olsen](#), University of Greenland: “Foreign teachers and the Greenlandic students at the GUX high-school in Nuuk”.

[Aviaq Reimer Olsen](#), University of Greenland, [Jean-Michel Huctin](#), CEARC – UVSQ (France), [Véronique Antomarchi](#), Paris Descartes (France), and [Fabienne Joliet](#), Agrocampus West Angers (France): “Doing research with Inuit young and their teachers: The InterArctic projet in Nunavik and Greenland”.

[Frédéric Bouchard](#), Paris-Sud University (France), [Tania Gibéryen](#), Ministry of National Education, Children and Youth (Luxembourg), [Ylva Sjöberg](#), University of

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Copenhagen (Denmark), [Julie Malenfant-Lepage](#), NTNU (Norway), and [Josefine Lenz](#), AWI (Germany): “Arctic STEAM outreach is missing indigenous input”.

[Elie Pinta](#), University Paris 1 - UMR 8096 (France), C. K. Madsen (Denmark/Greenland), H. H. Harmsen (Greenland) and M. Nielsen (Greenland): “The Arctic Vikings Field School: two years of scientific collaboration and knowledge production in the UNESCO World Heritage Property of Kujataa, South Greenland”.

FILM	DES FEMMES POUR UN POLE (VOSTEN) , by <i>Madeleine</i>	18:30-20:00
SCREENING	<i>Griselin.</i>	

FRIDAY 13TH DECEMBER 2019

Welcome

9:00-9:30

FRIDAY 13TH DECEMBER 2019

SESSION 13 **INDIGENOUS KNOWLEDGE ABOUT CHANGES IN CLIMATE AND BIODIVERSITY AND COLLABORATION WITH SCIENCE**, coordinated by *Alexandra Lavrillier and Alona Yefimenko*. **9:30-12:15**

[Veronica Gonzalez-Gonzalez](#), UNESCO LINKS programme (France): *“Indigenous knowledge systems and international action on environmental issues: the experience of the UNESCO LINKS programme”*.

[Sarah Cogos](#), Paris-Sud University (France): *“Forest fire and indigenous Sami land use: place names, fire dynamics and ecosystem change in Northern Scandinavia”*.

[Semen Gabyshev](#), CEARC – UVSQ/Reindeer Herder (Russia), and [Alexandra Lavrillier](#), CEARC – UVSQ (France): *“Reindeer Evenki Environmental Knowledge and the Notion of an Extreme Process”*.

[Svetlana Avelova](#): *“Predators, mining and reindeer herding in southern Yakutia: issues and solutions”*.

[Maia Lomovtseva-Adukanova](#) and [Kiriak Adukanov](#), Even consultant/reindeer herder (Russia): *“The 2019 environmental survey by Even reindeer herders in Southern Kamchatka”*.

[Alona Yefimenko](#), Indigenous Secretariat, Arctic Council (Norway): *“State of the ethical principles for the conduct of research in the Arctic”*.

[Anna Kajsa Aira](#), Reinder herder (Sweden): *“Sami perspectives on climate and industrial explorations: experiences from a reindeer herding Sijdda in Lule River, Swedish side of Sabme”*.

[Bernadette Robbe](#), CNRS (France): *“A long-lasting experience of science - indigenous collaborations in Greenland (1968-2019)”*.

Lunch

12:00-13:30

FRIDAY 13TH DECEMBER 2019

SESSION 14 LOCAL OBSERVATION AND ADAPTATION TO CLIMATE 13:30-15:20

CHANGE IN ARCTIC COMMUNITIES, *coordinated by*

Tanguy Sandré and Patrick Schembri.

[Charlotte Da Cunha](#), CEARC – UVSQ (France), [I.V. Nikulkina](#) (Russia), [J-P. Vanderlinden](#) (France), [V. Shadrin](#) (Russia), [N. Doloisio](#) (France), [D. Salakhova](#) (Russia): *“Climate change and endogenous adaptive capacity: the case of Tiksi, Sakha Republic, Russia”*.

[Jouni Jaakkola](#) and [K. Näkkäläjärvi](#), University of Oulu (Finland): *“Primary, secondary and tertiary effects of climate change in the Arctic: Perceptions of Arctic indigenous peoples”*.

[Klemetti Näkkäläjärvi](#), [J. Saijets](#) and [S. Juntunen](#), University of Oulu (Finland): *“Perception of climate change and cultural adaptation to the effects of climate change: A case study from Reindeer Saami communities, Saami home region, Finland”*.

[Nadia French](#), University of Birmingham (United Kingdom): *“Socioecological interactions between arctic nature and non-native population in the Russian Arctic”*.

[Liss Stender](#), [Peter Jensen](#) and [Jean-Michel Huctin](#), CEARC – UVSQ (France): *“Adaptation to environmental and cultural changes: The ARTistic science and art project in Greenland”*.

Poster Presentation: [David Chapman](#) and [A. Larsson](#), Luleå University of Technology (Sweden): *“Climate change and human behaviour: Understanding modal choice in a rapidly urbanising Arctic”*.

Coffee Break

15:20-15:50

FRIDAY 13TH DECEMBER 2019

SESSION 15 PERSPECTIVES ON SUSTAINABILITY: TECHNOLOGICAL 15:50-17:30
DEVELOPMENT, INDUSTRIALIZATION AND
URBANIZATION, *coordinated by Laura Goyhenex.*

[Valery L. Mikheev](#) and [Marya Rozanova](#), Russian State Hydrometeorological University: *"Indigenous Urbanization in Russia's Arctic: Case-Study of Nenets Autonomous District"*.

[Marie-Françoise Labouz](#), UVSQ (France): *"Recent Strategy Action Plans in Canadian High North"*.

[Yvette Vaguet](#) and [Chanvoleak Ourng](#), University of Rouen (France): *"Circumpolar Settlement: dynamic in space and time"*.

[Laura Goyhenex](#), UVSQ (France): *"The Inuvik-Tuktoyaktuk Highway. Inhabit Arctic Landscapes in Times of Urbanization, Industrialization and Climate Change"*.

[Anna Karlsdóttir](#), Nordregio (Sweden): *"Nordic commitment to a sustainable future in the Arctic - ways to enhance scientific knowledge in the Arctic"*.

[John Lee](#), J-P. Carta and P. Keckhut, LATMOS (France): *"Building Astronaut Housing on the Moon's Polar Region Based on a Succinct IP TEK Concept"*.

CLOSING CONCLUDING TALK FROM THE ORGANIZERS AND 17:30-18:00
INDIGENOUS PEOPLES
INDIGENOUS PERFORMANCE

SIDE EVENTS**FULL WEEK****ARTISTIC EXHIBITION**

"Drawing Climate Change: Intergenerational Dialogue from Tiksi", presented by Magali Vullierme, CEARC – UVSQ/IRSEM (France), and Natalia Doloisio, CEARC – UVSQ (France).

"Climate, Culture and Adaptation in the Greenlandic Community of Ummannaq: the ARTistic Research Project", presented by Liss Stender (Greenland), Peter Jensen (Greenland), Jean-Michel Huctin, Jean-Paul Vanderlinden, Mateo Cordier, Juan Baztan and Zhiwei Zhu, CEARC – UVSQ (France).

Photograph exhibition on science and indigenous knowledge collaboration, presented by Alexandra Lavrillier, CEARC – UVSQ (France).

"Climate change in Lapland - What can we do?", Stéphanie C. Lefrère, Finnish Environment Institute (Finland)[from 2 to 28 December at Mairie du 5ème arrondissement].

"Gold on Ice", Bertille Gentil (France).

POSTER EXHIBITION

Poster by UVSQ Arctic Students (tbc).

Alienor Allain, Sorbonne University (France), M. Alexis (France), Y. Agnan (France/Belgium), E. Parlanti (France), M. Sourzac (France), C. Anquetil (France), E. Aubry (France), A. Guittet (France), F. Alliot (France) and M. Castrec-Rouelle (France): "Chemical characterization of water extractable organic matter from plants: A better understanding of dissolved organic matter sources in permafrost thawing regions".

Amandine Guillot, CNES (France): "The Arctic from space, a quick overview of CNES Earth Observation activities".

Antoine Séjourné, Paris-Sud University: "Describe me the country where you live: children from Siberia and France talk to each other" .

Arthur Monhonval, UCLouvain (Belgium), S. Opfergelt (Belgium), E. Mauclet (Belgium), C. Hirst (Belgium), J. Strauss (Germany), G. Grosse (Germany), L. Schirrmeister (Germany) and P. Kuhry (Sweden): "Influence of Holocene thermokarst activities on mineral element content in Yedoma deposits".

Auréade Henry, Eugénie Gauvrit-Roux, CEPAM UMR 7264 CNRS, Nice (France), Jérémie Jacquier, CReAAH UMR 6566 CNRS, Rennes (France), Carolina Mallol, La Laguna University (Spain), Mathieu Rué, Paleotime (France) and Aleksei Teten'kin, Irkutsk State Technical University (Russia): "Late Pleistocene Hunter-gatherer adaptations to tundra Environments in North-Baikal Siberia: first results".

David Chapman and A. Larsson, Luleå University of Technology (Sweden): *“Climate change and human behaviour: Understanding modal choice in a rapidly urbanising Arctic”*.

Elisabeth Mauclet, UCLouvain (Belgium), S. Opfergelt (Belgium), A. Monhonval (Belgium), C. Hirst (Belgium), A. Piette (Belgium), L. Debruxelles (Belgium) and E. A.G. Schuur (United States): *“Effect of thawing permafrost on soil mineral element distribution: case study in Interior Alaska”*.

Frederic Bouchard, Paris-Sud University (France), Marie Alexis, Sorbonne University (France), J. Fouché (Belgium), Y. Agnan (Belgium), L. Gandois (France), A. Séjourné (France) and L. Shirokova: *“The interdisciplinary network on permafrost ecosystems: biochemical dynamics from soils to rivers in permafrost environments”*.

Joseph Gaudard, E. Pickering Pedersen and A. Michelsen, University of Copenhagen (Denmark): *“Carbon ecosystem - atmosphere exchange in arctic tundra in response to environmental changes”*.

Julien Fouché Gembloux, AgroBioTech-ULiège (Belgium), Lisa Bröder, ETH-Zurich (Switzerland), and Catherine Hirst, UCLouvain (Belgium): *“Organo-mineral interactions from permafrost disturbances to sediment sink”*.

Kévin Rafiie (France): *“The Greenlandic school system in relation with helping children who experience social issues”*.

Liudmila Shirokova GET/N. Laverov Federal Center for Integrated Arctic Research (France/Russia), I. Ivanova (Russia), R. Manasypov (Russia), A. Chupakov (Russia), S. Iglovsky (Russia), N. Shorina (Russia), S. Zabelina (Russia), M. Gofarov (Russia), D. Payandi-Rolland (France), A. Chupakova (Russia), O. Moreva (Russia), P. Bénézeth (France) and O. Pokrovsky (France/Russia): *“The evolution of thermokarst lakes ecosystems (Bolshezemelskaya tundra) in the context of climate change and anthropogenic pressures: field observations and experimental modelling”*.

Malé Kital, Sorbonne University (France), R. Courault (France) and M. Cohen (France): *“Current and future distribution modeling of Pinus sylvestris and Betula pubescens within the reindeer herds' pastures of the Gabna community (northern Sweden)”*.

Marya Rozanova, Russian State Hydrometeorological University, and Andrey N. Petrov University of Northern Iowa (United States): *“Russia's Arctic Future Scenarios-2050”*.

Maxime Thomas, UCLouvain (Belgium), S. Opfergelt (Belgium), A. Monhonval (Belgium), N. Bemelmans (Belgium), M. Lafrenière (Canada), J. Heslop (Canada), J. Fouché (Belgium) and T. Rochereau: *“Impact of modern thermokarst on mineral element release: case study in Cape Bounty, Canada”*.

Nolwenn Peron, Sorbonne University (France), R. Courault (France) and M. Cohen (France): *“Geography of fire hazard within Swedish Lapland and three reindeer herders' communities (Gabna, Jåhkågaska tjiellde, Sirges)”*

Semen Gabyshev, CEARC – UVSQ/Reindeer Herder (Russia): *“The indigenous science of reindeer herders in Eastern Siberia”*.

ARCTIC WEEK 2019

Sylvie Beyries and Auréade Henry, CEPAM UMR 7264 CNRS, Nice (France):
"EthnoArchaeology of Plant use by Arctic and subarctic Societies: aims and first results".

Yannick Agnan, UCLouvain (Belgium), R. Courault (France), M. A. Alexis (France), T. Zanardo (France), M. Cohen (France), M. Sauvage (France) and M. Castrec-Rouelle (France): *"Metal and organic matter dynamics in permafrost environments"*.

STEERING COMMITTEE

Coordinated by Alexandra Lavrillier, Tanguy Sandré and Jean-Michel Huctin.

Alexandra Lavrillier (CEARC-UVSQ), Jan Borm (CEARC-UVSQ), Patrick Schembri (CEARC-UVSQ), Jean-Michel Huctin (CEARC-UVSQ), Dominique Samson (INALCO), Denis Mercier, V. Antomarchi, F. Costard (GDR AREES), Jeanne Gerhardi (LSCE), Christophe Grenier (LSCE), Tanguy Sandré (MEAE/UVSQ) and Loïc Eléloué-Valmar (MEAE).

SCIENTIFIC COMMITTEE

Claire Alix (CNRS/University Paris 1, France), Terry V. Callaghan CMG (University of Sheffield, United Kingdom ; University of Tomsk, Russia), Dorothee Cambou (Helsinki Institute of Sustainability Science, Finland), Jérôme Chappellaz (CNRS, France), Chantal Claud (OVSQ, France), Jean-Louis Etienne (France), Jérôme Fort (CNRS/INEE, France), Emmanuèle Gautier (University Paris 1, France), Semen Gabyshev (CEARC – UVSQ/reindeer herder, Russia), Alena Gerasimova (International Centre for Reindeer Husbandry, Russia), Marie-Noëlle Houssais (CNRS-INSU, France), Fabienne Joliet (Agrocampus West Angers/CNRS, France), Philippe Keckhut (LATMOS/OVSQ, France), Niklas Labba (Sami reindeer herder – UiT, Norway), Kathy Law (LATMOS, France), Yvon Le Maho (University of Strasbourg, France), Cyril Moulin (CNRS-INSU, France), Anders Oksal (Sami – International Centre for Reindeer Husbandry; Association of World Reindeer Herders, Norway), Jean-Daniel Paris (LSCE, France), Yvette Vaguet (University of Rouen, France), Stéphanie Vermeersch (CNRS-INSHS, France), Alena Yefimenko (Even – Indigenous Secretariat of the Arctic Council, Norway).

The idea for the conference was based on the wishes in 2018 of Semen 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 UVSQ students.