

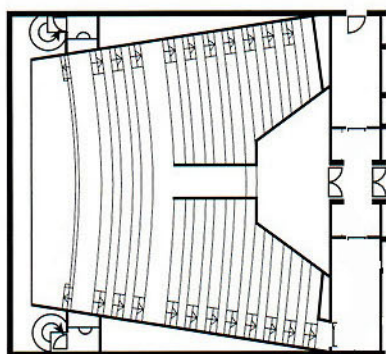


PROGRAMME OF 10th CIRCUMPOLAR AGRICULTURE CONFERENCE

13 – 15 March 2019
Rovaniemi, Finland

www.ulapland.fi/CAC2019

#PolarAgri



Polarium

ground floor

- Opening
- Keynote speeches
- Sessions 1, 2, 5, 7 and 8
- Panel and closing

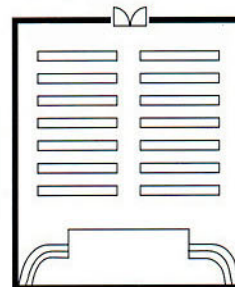
Main corridor
ground floor
Posters

Stairs to ground floor
- **Group photo**

Elevators

Kieppi

1st floor



Library ground floor
- **Session 4**

Aurora

- Sessions 3, 6 and 9

Gallery

Stairs to 2nd and 3rd floor
Thule meeting room (2nd)
Borealis meeting room (3rd)

Restaurant

ENTRANCE

Petsamo meeting room



WEDNESDAY, 13 MARCH 2019

08:00 - **REGISTRATION AND WELCOMING COFFEE**

09:00 - 09:30 **📍 POLARIUM**
OPENING

Mikko Peltonen	Ministry of Agriculture and Forestry
Timo Koivurova	Arctic Centre, University of Lapland
Päivi Soppela	Circumpolar Agricultural Association

09:30 - 10:30 **📍 POLARIUM**
KEYNOTE SPEECHES

Chair: Päivi Soppela

09:30 - 10:00	Hilkka Vihinen:	Local agriculture and vital rural areas
10:00 - 10:30	David Natcher:	Constraints to the adoption of agricultural technologies in northern regions of Canada

10:30 - 11:30 **📍 POLARIUM**
SESSION 1. WHAT'S UP IN ARCTIC AGRICULTURE

Chair: Antti Hannukkala

10:30 - 10:50	Debasmita Misra:	An overview of current state of growing food in Alaska
10:50 - 11:10	Daria Sidorova:	The food security of Russian Arctic cities as an integral part of their sustainable development
11:10 - 11:30	Jaana Sorvali:	Finnish farmer's climate change views - threats and possibilities for future agriculture

11:30 - 11:40 **GROUP PHOTO**

11:40 - 12:30 **LUNCH 📍 AURORA**

12:30 - 13:30 **📍 POLARIUM**
KEYNOTE SPEECHES

Chair: Antti Hannukkala

12:30 - 13:00	Uliana Vinokurova:	Nomads: Outcasts or masters? Legitimation of the nomadic lifestyle in the Republic of Sakha (Yakutia)
13:00 - 13:30	Anne Ollila:	Economical aspects, possibilities and challenges of reindeer herding in Finnish Lapland



WEDNESDAY, 13 MARCH 2019

PARALLEL SESSIONS IN DIFFERENT HALLS

📍 POLARIUM

13:35 - 15:15

SESSION 2. LOCAL AGRICULTURE IN THE ARCTIC – CHALLENGES AND OPPORTUNITIES

Chair: Hilikka Vihinen

13:35 - 13:55	Elina Kiviharju:	Unique plant genetic resources for agriculture and horticulture in the North
13:55 - 14:15	Anne-Maj Gustavsson:	Can we grow barley in the north?
14:15 - 14:35	Raygan Solotki:	Community greenhouses in the high Arctic - producing food north of 66 degrees
14:35 - 14:55	M.P.M Nair:	Global village Gardener for the North: Year round sustainable indoor gardening for the circumpolar region
14:55 - 15:15	Jesper Overgård Lehmann:	Greenlandic agriculture facing climate change: Challenges and opportunities

📍 AURORA

13:35 - 15:15

SESSION 3. LOOKING TO THE PAST FOR FUTURE: NORTHERN NATIVE BREEDS OF DOMESTICATED ANIMAL SPECIES

Chair: Juha Kantanen

13:35 - 13:55	Mervi Honkatukia:	NordGen's conservation project of the Nordic Dark Bee: From evaluation to selective breeding
13:55 - 14:15	Juha Kantanen:	Whole genome resequencing of northern Eurasian native cattle breeds
14:15 - 14:35	Päivi Soppela:	The Northern Finncattle – the cow that almost disappeared. Arctic adaptation, folk strategies and state politics
14:35 - 14:55	Anna Stammler-Gossmann:	Animal's social life: Decline and revival of the Arctic cow
14:55 - 15:15	Nuccio Mazzullo:	"Cows as reindeer"- an interdisciplinary account of human-animal adaptation to the Arctic North



WEDNESDAY, 13 MARCH 2019

📍 LIBRARY

13:35 - 15:15

SESSION 4. BEST PRACTICES AND APPLICATIONS IN LOCAL FOOD SYSTEMS

Chair: Nils Borchard

13:35 - 13:55

Kirsi Korhonen:

Local food and consumers' buying groups: the case of food circles in Oulu Region

13:55 - 14:15

Dele Raheem:

Future possibilities for food digitalization in Finnish Lapland

14:15 - 14:35

Derrick Hastings:

Farming as a form of healing

14:35 - 14:55

Karin Kettler:

Pirursiivik project: Greenhouse & social arts in Inukjuak, Nunavik

14:55 - 15:15

Debasmita Misra:

Utilizing locally grown biomass for school heat, remote electricity and year round growing at -° 50C

15:15 - 16:15

COFFEE AND POSTER SESSION

PARALLEL SESSIONS IN DIFFERENT HALLS

📍 POLARIUM

16:15 - 18:00

SESSION 5: CLIMATE CHANGE AND LAND USE – IMPLICATIONS FOR ARCTIC AGRICULTURE

Chair: Marit Jørgensen

16:15 - 16:35

Ingeborg Menzler-Hokkanen:

Arctic entomology under climate change: Implications for agriculture in the North

16:35 - 16:55

Anna Omazic:

The northern expansion of ticks in Sweden – increased risk for animal and human health

16:55 - 17:15

Antti Hannukkala:

Climate change-driven dramatic increase in perennial forage yields at Rovaniemi in 1980-2017

17:15 - 17:35

Kirsi-Marja Korhonen:

Inclusive land use planning in Finland

17:35 - 17:55

Peter Aastrup:

New opportunities in southern Greenland call for integrated planning for securing sustainability



WEDNESDAY, 13 MARCH 2019

📍 AURORA

16:15 - 18:00

SESSION 6. REINDEER HERDING AS A MEANS OF LIVELIHOOD - PRECONDITIONS AND APPLICATIONS

Chair: Marja Anttonen

16:15 - 16:35

Melak Weldenegodguad:

Sequencing of reindeer (*Rangifer tarandus*) genomes:
Insights into evolution, domestication and adaptation

16:35 - 16:55

Kirsi Muuttoranta:

My way, your way, best way – how to collect and spread
the best practices among reindeer herders

16:55 - 17:15

Grete Jørgensen:

Testing a new electronic warning system to prevent
collisions between cars and farmed reindeer

17:15 - 17:35

Panu Itkonen:

Reindeer ownership among the Skolt Sami

17:35 - 17:55

Jean Hatcherson:

Tourism, representation and compensation among
Dukha reindeer herders in Mongolia

19:30 - 20:30

**GET-TOGETHER, EVENING RECEPTION HOSTED BY THE CITY OF ROVANIEMI,
CITY HALL, HALLITUSKATU 7**

+ SIDE-EVENT:

**ARCTIC DELI MARKET
8:00 - 18:00, ON WEDNESDAY ONLY**



THURSDAY, 14 MARCH 2019

08:00 - REGISTRATION

📍 POLARIUM

09:00 - 10:00 KEYNOTE SPEECHES

Chair: Jussi Soppela

09:00 - 09:30	Inger Martinussen:	Agroforestry and non-wood forest products
09:30 - 10:00	Margrét Geirsdóttir:	How research can stimulate product development

📍 POLARIUM

10:00 - 11:40 SESSIONS 7. ARCTIC FOODS, THEIR PROFITABILITY AND BUSINESS OPPORTUNITIES

Chair: Rainer Peltola

10:00 - 10:20	Tor Jacob Johansen:	Arctic quality - the effect of high latitude growth conditions on quality of food products
10:20 - 10:40	Inger Hansen:	Success factors ensuring good animal welfare in Arctic beef production
10:40 - 11:00	Thorgrímur Einar Guðbjartsson:	Dairy agro tourism based on the Icelandic breed of cattles
11:00 - 11:20	Hilde Halland:	Value chain perspective to increase production of cereals in the Northern Periphery Region
11:20 - 11:40	Adrian Unc:	Time for a boreal agricultural research network to ensure sustainable development of an emerging agri-food sector in the North

11:40 - 12:30 LUNCH 📍 AURORA

📍 POLARIUM

12:30 - 13:20 KEYNOTE SPEECHES

Chair: Päivi Soppela

12:30 - 13:00	Lena Maria Nilsson:	Food security in Northernmost Sweden from a Sami cultural perspective
13:00 - 13:20	Randy Lewis:	The Evolution of Circumpolar Agriculture: 1st to 10th Conference - Past, Present & Future



THURSDAY, 14 MARCH 2019

PARALLEL SESSIONS IN DIFFERENT HALLS

📍 POLARIUM

13:20 - 15:00 SESSION 8. ARCTIC FOOD SECURITY AND SUSTAINABILITY

Chair: David Natcher

13:20 - 13:40	Ivan Emke:	Hidden harvests: the role of self-provisioning in food security initiatives
13:40 - 14:00	Suzanne Crocker:	First we eat: Food security north of 60
14:00 - 14:20	Byron Beardy:	Four Arrows Regional Health Authority Inc. - Indigenous Food sovereignty and indigenous language: Language is health
14:20 - 14:40	Mary Cheney:	Focus on food security, sustainability, local agriculture, local foods as a tourist attraction
14:40 - 15:00	Randy Lamb:	Local food strategy for Yukon, Canada

📍 AURORA

13:20 - 15:00 SESSION 9. ARCTIC BIOECONOMY AND TECHNICAL INNOVATIONS

Chair: Virpi Alenius

13:20 - 13:40	Sirpa Kurppa:	Transition to green, sustainable and competitive bio-economy in arctic villages
13:40 - 14:00	Satu Ervasti:	Co-substrates to farm-scale biogas plant
14:00 - 14:20	Marit Jørgensen:	Prospects of using remote sensing for monitoring forage production in northern Norway
14:20 - 14:40	Oiva Niemeläinen:	Suggestion for a remote sensing based monitoring of grassland growth on the Circumpolar area
14:40 - 15:00	Heidi Rader:	How a mobile app is changing the way we conduct variety trials



THURSDAY, 14 MARCH 2019

15:00 - 16:00 POSTER SESSION AND COFFEE

16:00 - 17:15  **POLARIUM**
PANEL DISCUSSION ARCTIC FOODS: VOICES AND EXPERIENCES GETTING TOGETHER AND WRAP-UP
Chair: Markku Heikkilä

17:15 - 17:30 CLOSING AND REFRESHMENTS

17:30 - 18:00  **POLARIUM**
GENERAL ASSEMBLY OF THE CIRCUMPOLAR AGRICULTURAL ASSOCIATION
Open to all conference participants

19:30 - 20:00 EXHIBITIONS IN KORUNDI, ROVANIEMI ART MUSEUM, LAPINKÄVIJÄNTIE 4
FOR EXAMPLE; PLACE OF ORIGIN - CONTEMPORARY ALASKA NATIVE ART.
FREE ENTRANCE.

20:00 - CONFERENCE DINNER IN KORUNDI,
ROVANIEMI ART MUSEUM, LAPINKÄVIJÄNTIE 4

ORGANISERS



ARCTIC CENTRE
University of Lapland



LAPIN AMK
Lapland University of Applied Sciences



REGIONAL COUNCIL
OF LAPLAND



PALISKUNTAIN YHDISTYS



METSÄHALLITUS

SUPPORTING ORGANIZATIONS



Maa- ja metsätalousministeriö
Jord- och skogsbruksministeriet
Ministry of Agriculture and Forestry



TIETEELLISTEN SEURAIN VALTUUSKUNTA
VETENSKAPLIGA SAMFUNDENS DELEGATION
FEDERATION OF FINNISH LEARNED SOCIETIES