

World Reindeer Herders



INDIGENOUS FOODLAB

UNFCCC LCIPP

Girkonjårga, 03.10.2023

Anders Oskal

World Reindeer Herding

Nomadic Indigenous Peoples of the Arctic



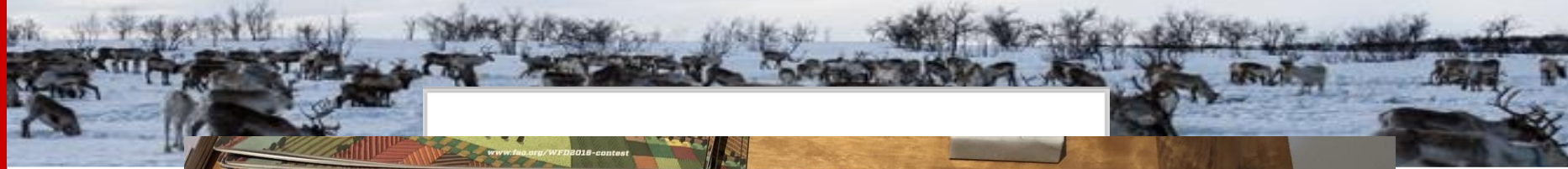
Our Food Systems and Climate Change

Photo: J.M. Gaup, 2009



International Centre for Reindeer Husbandry
Международный Центр Оленеводства
Riikkaidgaskaš Boazodoalloguovddáš





www.fao.org/WFD2018-contest

Arctic
H



Change
in



ARCTIC COUNCIL

Food Security – Food Sovereignty

«...based on Arctic Indigenous Peoples' equitable access and possibilities to select our own resources, food empowerment through the utilization of our own knowledge, the sustainable use of all resources in accordance with our traditional food systems, food safety regimes adapted to Arctic realities and Indigenous cultures, health and well-being, and local economic development and value-added from within our own societies..»

Arctic Council SDWG EALLU Ministerial Report, 2017 (own highlights)



Opportunities: Current food trends

- Sustainable *(In no particular order)*
- Ethnicity, roots, traditions
- Organic, pure
- Animal welfare
- Genuine, 'wilderness'
- Health, well-being
- Protein and low-carb diets
- Focus on meat sustainability
- Origin, transparency
- Fair trade
- Taste, specialties
- Health, well-being



Sustainable to the bone



Creating Education Opportunities for Indigenous Youth

Food Innovation Leadership

Education Program for Arctic Indigenous Youth on Food Innovation and Business Development, based on Traditional Indigenous Knowledge.

7.5 ECTS, BACHELOR LEVEL UNIVERSITY EDUCATION

"...Encourage the establishment of a program for training indigenous youth in the documentation of traditional knowledge related to food, food entrepreneurship and innovation".

Fairbanks Declaration, on the Occasion of the Tenth Ministerial Meeting of the Arctic Council, Fairbanks, Alaska, US, May 11, 2017.



www.nord.no

JAMES J. MCCARTHY LEADERSHIP SEMINAR FOR ARCTIC INDIGENOUS YOUTH LEADERS

Training seminar for talented and emerging Arctic Indigenous leaders, in memory of Professor James J. McCarthy and his strong dedication to the Arctic.

January 18 - 22, 2021

10:30am - 2:00pm ET

A five day intensive virtual seminar co-taught by Indigenous leaders and science and policy experts from the Harvard Kennedy School of Government.

- This five day seminar will cover topics from:
- Building Resilience During Rapid Change
 - Indigenous Knowledge and Multiple Ways of Knowing
 - Finding Opportunities Through Resilience
 - Leading Through Crisis (such as COVID-19)
 - Innovating and Leading in a Changing World

Using simulations, case studies, skills-based workshops and Lavvu dialogues students will build the competence and confidence to step into leadership in their home communities and beyond.

Limited positions available. To apply please visit: <https://forms.gle/S4n08dsu7KxCPD9g>



- **Competence**
- **Confidence**
- **Contacts**
- **Utilizing both Traditional Knowledge and Science**



Investing in our Arctic futures

Exams at Arendalsuka 2022: Norwegian MFA Anniken Huitfeldt



Students: Emerging Arctic Indigenous Leaders
Pan-Arctic participation
Various backgrounds



HARVARD Kennedy School
BELFER CENTER
for Science and International Affairs



Our food systems are nomadic, too...



Kia Krarup Hansen, PhD student, UiT – The Arctic University of Norway
Investigating two ways of knowing about meat-smoking

Lavvu laboratorium

Ethnographic fieldwork



Kia Krarup Hansen

Traditional knowledge vs bad practice?

Sámi “smokers”

Traditional knowledge holders

Scientific experiments



Illustration/photos: colturkoox/ou-xooxooxoox

Scientists

Biologists, chemists, anthropologists



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Международный Центр Оленеводства
Riikikaldgaskasaš Boazodoalloguoovddáš



Sámi allaskuvla
Sámi University of Applied Sciences



Indigenous Peoples' Food Systems

PhD student and reindeer herder Ravdna BME Sara



PhD Student Ravnna Eira Sara:

Traditional Indigenous Knowledge on food

(Video example)

Reindeer meat quality assessment system

Dimensions Dimensuvvnnat	Levels									Dásit
	-	-	+	+	+	+	+	+	++	
I ealli boazu live reindeer	čáhceváibbat	heítot oččiid alde/váibbat	áiššaid alde/ addamiin	jolážiin	jolli	buoidi	duolba buoidi	gohppečielg/ jiekjabuoidi		
II gorut carcass	čáhceváibbat	váibbat	addamiin	burin addamiin	niibešipmaris	jolli	suorbmajollin	guovtti- suorpmas	golmma- suorpmas	nj. alji- suorpmas
III máhku/vuodja taste/fat			smolgguin	njávkkkida				meadggus		



of meat quality, fat degree, fat content and fat extent that is articulated with reindeer herder's technical language

PhD Inger Marie Gaup and PhD student Ravnna Eira Sara

1 week ago | More

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Indigenous Knowledge can be lost

“...Indigenous reindeer herding is threatened by multiple drivers of environmental and social change across the circumpolar North, which affect the sustainability of traditional family-based nomadic use of pastures. These impacts on indigenous peoples are exacerbated by their lack of voice in the development of governance strategies, management and adaptation responses.”

Eira, Inger Marie G, Anders Oskal, Inger Hanssen-Bauer & Svein D Mathiesen (2018):
Snow cover and the loss of traditional indigenous knowledge.
Nature Climate Change, 2018. ISSN 1758-678X.s





Springer Polar Sciences

Svein Disch Mathiesen ·
Inger Marie Gaup Eira · Ellen Inga Turi ·
Anders Oskal · Mikhail Pogodaev ·
Marina Tonkopeeva *Editors*

Reindeer Husbandry

Adaptation to the Changing Arctic,
Volume 1

Vol 1, 2022

OPEN ACCESS

 Springer

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Marina Tonkopeeva *Editors*

Reindeer Husbandry

Resilience in the Changing Arctic,
Volume 2

Vol 2, 2023

OPEN ACCESS

 Springer

Reindeer Herders and Resilience

Enhancing the Resilience of Reindeer Herders' Ecosystems and Livelihoods



Pic: Dukha reindeer herding in Mongolia. June 3, 2023. A.Oskal/ ICR

- Land Degradation
- Climate Change
- Biodiversity, Peatlands
- Indigenous Knowledge
- Global Assessment
- Training Courses for Ind. Youth



UNEP



NOMAD

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N O M A D





@ the World Food Forum
FAO HQ Rome, 2022



@ the Stockholm+50
UNEP Anniversary



@ Arendalsuka, Norway
2022 & 2023



Concerts @ FAO HQ
Rome, Oct 15-21, 2022



Multi-Purpose Platform

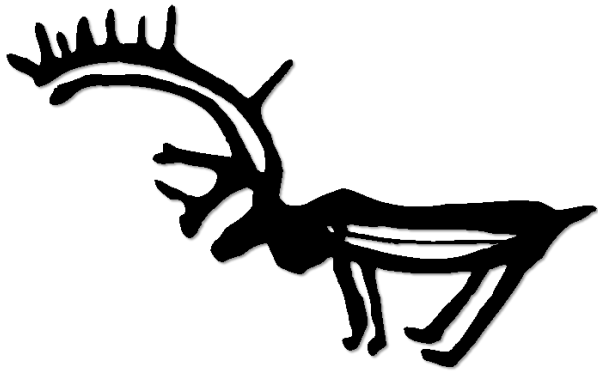
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Probably the Coolest
Kitchen in the World





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