

UArctic Thematic Network

Co-Management of Natural Resources

Nuuk 22-24 Oct. 2019

General Course Introduction

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Background



UArctic

New Thematic Network

OBJECTIVE:

Capacity development
in collaborative management
and community monitoring

FOUNDING PARTNERS:

NORDECO

Nordic Agency for
Development and Ecology



- Capacity development
= many different forms
- Collaborative management
= local stakeholders play central role in the decision-process
- Community monitoring
= local stakeholders lead and undertake

Seminar BerLIn





Workshop Hokkaido

Pikkorissaakermi siunertat

1. Aqutseqatigiinnerup suuneranik paasinninneq
2. Nunaqavissut ilisimasaannik atuinermut nammineq piginnaaneqalerneq
3. Aqutsinerup siammasinnerusup suussusianik paasinninneq

Anguniakkat aalajangersimasut

Peqataasut makkununnga
piginnaaneqalersissallugit:

1. Pisuussutinik aqtsinermi
malinnaavigininnermilu periaatsinik
assigiinngitsunik ilisimasaqalersissallugit
2. Peqataanermi atortussat atussallugit
3. Nunaqqatigiinni aqqutissiuineq paassisallugu
4. Aqutseqatigiinnermi toqqammavit periatsillu
pingarnerit paasisaqarfialugit

Ilikkagassat

Pikkorissarneq naammassippat peqataasut
piginnaasaqarfigiligassaat:

1. Aqutseqatigiinneq
aqquṭissiuſſinnaalissallugu
2. Piujuartitsinermik siuarsaaqataalluassalluni
3. Oqaloqatigiinneq suleqatigiinnerlu
sulissutigineqaqqullugit
kajumissaarisinnaanngussalluni

Pikkorissaaneq sivikitoq: Pinngortitap pisuussutaanik aqtseqatigiinneq

Short Course: Co-Management of Natural Resources



NORDECO
Nordic Agency for
Development and Ecology



	Day 1	Day 2	Day 3
9-10	Pikkorissarnerup nassuiardeqarnera Pikkorissarnerup naatsumik nassuiardeqarnera (LH/FD)	Oqalugiarneq Aqtseqatigiinneq aamma malinnaaviginninneq: Suleriaatsit pitsasut (ME)	Oqalugiarneq Aqtseqatigiinneq aamma malinnaaviginninneq: Aqtsineq (ME)
10-11	Oqalugiarneq Aqtseqatigiinneq aamma malinnaaviginninneq: Isumaliutersuutit nunallu tamalaat akornanni misilitakkat (FD/ME)	Oqalugiarneq ICC isiginninera 20 min (Hjalmar Dahl, ICC) KNAPK isiginninera 20 min (BL)	Sungiusaatit Piffissami sivisuumi uumasunik malinnaaviginninneq nunaqqatigiiit namminneq ingerlatamissut isigisaat qanoq aaqqinniarpiusik? Eqimattani oqallinneq ataatsimullu saqqummiineq (MN)
11-12	Oqalugiarneq Issittumi namminersorneq nunallu inoqqaavisa naalakkersuinerat (LH/MN)	Oqalugiarneq Nunat tamalaat isumaqatigiissutaat pituttorsimaffiusut 20 min (LH) NAMMCO, Qilalukkut pillugit ataatsimut ataatsimiititaliaq JCNB aamma CITES: 'Oqaaseqarsinnaaneq' ornillugu 20 min	
12-13 Lunch			
13-14	Oqalugiarneq Aqtseqatigiinnermi aamma malinnaaviginninnermi suliniutaasartut pillugit takussutissat (FD/ME)	Oqalugiarneq Nuup Kangerluani misilitakkat (LH/MN)	Sungiusaatit Aqtseqatigiinneq aamma malinnaaviginninneq: Aporfiit aaqqiissutissallu. Aporfiit 2-4 nassaarikkit ukununnga tunngasut: (i) nunaqqataasut, (ii) kommunimi sulisut, (iii) naalakkersuisuni sulisut, kiisalu (iv) Pinngortitaleriffimmi sulisut. Aaqqiissutissat oqallisigisigit. Eqimattani oqallinneq, ataatsimut saqqummiineq (tamarmik)
14-15	Oqalugiarneq PISUNA-ip atorneqarnera (Nette Levermann, APNN)	Oqalugiarneq Pinngortitaleriffimmi ilisimatuup nalaatai (Helle Torp Christensen, GN)	
15-16	Qarasaasiakkut attaveqarneq Sungiusaatit Najukkami ilisimasat pillugit qarasaasiakkut attaveqarnermik takutitsineq (FD/ME)	Sungiusaatit Nuup Kangerlua pillugu oqallinneq aammalu Pinngortitaleriffimmi ilisimasuut suliaat (LH/MN)	Oqalugiarneq (piumasunut) Aaqqiissutissanut pingaarnernut assersuutit (ME)
16-17	Mailimik pilersitsineq (FD) Ullup siulliuq naliliiffigineqarnera (10 min)	Oqalugiarneq Nunaqqatigiinnik ilisimatuussusermillu ataqatigiisitsinermi nunat tamalaat akornanni misilitakkat: Hokkaido Sea Ice Museum (ST)	Pikkorissarnerup inaarsarnera Naliliineq Ataatsimuualaarneq Pikkorissarnermut uppernarsaatinik tunniussineq (ME)

Naalisatit: BL, Bjarne Lyberth; FD, Finn Danielsen; LH, Lene K. Holm; ME, Martin Enghoff; MN, Mark Nuttall; ST, Shuhei Takahashi



Short Course: Co-Management of Natural Resources

	Day 1	Day 2	Day 3
9-10	Introduction General course introduction (LH/FD)	Lecture Collaborative management and monitoring: Good practices (ME)	Lecture Collaborative management and monitoring: Governance (ME)
10-11	Lecture Collaborative management and monitoring: Theory and international experiences (FD/ME)	Lecture ICC perspectives 20 min (Hjalmar Dahl, ICC) KNAPK perspectives 20 min (BL)	Exercise How do you put in place a long term plan for monitoring where communities feel ownership? Group discussions and plenum presentation (MN)
11-12	Lecture Arctic context of self-determination and Indigenous governance (LH/MN)	Lecture Binding int'l agreements 20 min (LH) NAMMCO, JCBN and CITES: Towards 'walking the talk' 20 min	
12-13 Lunch			
13-14	Lecture Overview of programs for collaborative management and monitoring (FD/ME)	Lecture Nuuk Fjord experiences (LH/MN)	Exercise Collaborative management and monitoring: Challenges and solutions.
14-15	Lecture The PISUNA approach (Nette Levermann, APNN)	Lecture GN natural scientist case (Helle Torp Christensen, GN)	Identify 2-4 challenges for: (i) community members, (ii) municipal staff, (iii) central govt. staff, and (iv) GN scientists. Discuss solutions. Group discussions, plenum presentation (All)
15-16	Digital platform exercise Demonstration of digital platforms for communicating local knowledge (FD/ME)	Exercise Group discussion on Nuuk Fjord and GN natural scientist cases (LH/MN)	Lecture (optional) Examples of key solutions (ME)
16-17	Settling of accounts (FD) Evaluation of Day 1 (10 min)	Lecture Int'l experiences on connecting communities and science: Hokkaido Sea Ice Museum (ST)	Wrapping up the course Evaluation Social event Handing out certificates (ME)

Abbreviations: BL, Bjarne Lyberth; FD, Finn Danielsen; LH, Lene K. Holm; ME, Martin Enghoff; MN, Mark Nuttall; ST, Shuhei Takahashi

Peqataasut

	Surname	First name	Institution	
1	Berthelsen	Otto	Qeqqata Kommune	Sisimiut
2	Biilmann	John	APNN	
3	Christensen	Helle Torp	Greenland Institute of Natural Resources	
4	Davidsen	Ole Jørgen	KNAPK Sydgrønland	Narsaq
5	Hvistendahl	Catherina	Departementet for Udenrigsanliggender	
6	Jakobsen	Jesper Ødegård	APNN	
7	Jakobsen	Alfred	Ocean North	
8	Jakobsen	Paviarak	Qeqertalik Kommune	Aasiaat
9	Jensen	Claus Egede	Kujalleq Kommune	Qaqortoq
10	Jerimiassen	Augusta	APNN	
11	Jessen	Amalie	APNN	
12	Labansen	Aili Lage	Greenland Institute of Natural Resources	
13	Lemming	Nynne	Greenland Institute of Natural Resources	
14	Levermann	Nette	APNN	
15	Lund	Nuka Møller	APNN	
16	Lynge-Peders	Kristine	Miljøstyrelsen for Råstofområdet	
17	Kruse	Pipaluk M.	Avanaatta Kommune	Uummannaq
18	Motzfeldt	Karen	Natur og Miljø	
19	Møller	Klaus	Sermersooq Kommune	Nuuk
20	Nielsen	Palle Smedegaard	Natur og Miljø	
21	Nymann	Hanne	Natur og Miljø	
22	Qujaukitsoq	Arrutaq	Avanaatta Kommune	Qaanaaq
23	Roe	Per	Natur og Miljø	
24	Zinglersen	Karl	Greenland Institute of Natural Resources	

Teachers, resource persons and interpreters

1	Holm	Lene Kielsen	Greenland Climate Research Centre
2	Nuttall	Mark	Greenland Climate Research Centre
3	Danielsen	Finn	Nordisk Fond for Miljø og Udvikling
4	Enghoff	Martin	Nordisk Fond for Miljø og Udvikling
5	Lyberth	Bjarne	KNAPK Nuuk
6	Takahashi	Shuhei	Hokkaido Sea Ice Museum, Japan
7	Ravn	Tida	Interpreter
8	Olsen	Ina Aki	Interpreter

Pikkorissaasut
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Tuesday 22 Oct.

- Nuttall et al. (2005). Hunting, herding, fishing and gathering: Indigenous peoples and renewable resource use in the Arctic. *Arctic Climate Impact Assessment*, 649-690.
http://www.acia.no/PDFs/ACIA_Science_Chapters_Final/ACIA_Ch12_Final.pdf

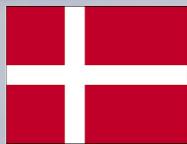
Atuagassat

Danielsen et al. (2018). *Community based monitoring programmes in the Arctic: Capabilities, good practice and challenges*. Bergen: INTAROS.
https://intaros.nersc.no/sites/intaros.nersc.no/files/D4_1_updated_1.pdf

- Danielsen et al. (2009). Local participation in natural resource monitoring. *Conserv. Biol.* 23: 31.
<http://www.monitoringmatters.org/publications/Danielsen%20et%20al%202008%20Local%20participation%20%20%20%20ConsBiol.pdf>
- **PISUNA User Guide**: Greenland Self-Rule (2014). *Local documentation and management of living resources: User Guide*. Nuuk.
<http://www.pisuna.org/documents/Pisuna%20Manual%20GRL,%20FINAL%2027Jan2015%20Pdf.pdf>
https://docs.wixstatic.com/ugd/8d7574_b06c3d9992344c6ca9e49e68a6e67453.pdf
- **PISUNA-net**: <https://eloka-arctic.org/pisuna-net/> **PISUNA homepage**: www.pisuna.org.

Additional relevant reading:

- Danielsen et al. (2014). Counting what counts: using local knowledge to improve Arctic resource management. *Pol. Geogr.* 37: 69–91.
http://www.monitoringmatters.org/articles/CountingWhatCounts_PISUN_PolarGeography372014.pdf
- **Figure 1** in Danielsen et al. (2010). Environmental monitoring: the scale and speed of implementation varies according to the degree of people's involvement. *J. Appl. Ecol.* 47: 1166.
<http://www.monitoringmatters.org/articles/2010JApplEcol.pdf>
- Gutiérrez et al. (2011). Leadership, social capital and incentives promote successful fisheries. *Nature*, 470 (7334), 386. <http://www.monitoringmatters.org/articles/Gutierrez.pdf>
- **Online library** of Arctic CBM lessons and manuals: <https://mkp28.wixsite.com/cbm-best-practice>
- **Atlas** of Arctic CBM initiatives: www.arcticcbm.org



Pikkorissaanermut aningaasaliisut



**Ilisarititsineq
- Pikkorissarnermilu pissarsiassatut
takorluukkat**