

Community based monitoring

Setting the background



Related concepts and work

Public Engagement



Ladder of Participation

Based on the work of Arnstein (1969)





Different methods of engagement

Different Rationales & Reasons...

- Inviting Written Submissions on Hearings
- Surveys
- Interviews
- Focus Groups
- Scenario Workshops
- Advisory Committees
- Participatory Appraisals
- Co-management Committees
- Consensus Conferences
- Citizen Science
- 0 ...

Instrumental Rationale

To achieve a pre-defined goal, e.g. Involving users so that they accept a decision as legitimate

Substantive Rationale

To produce a better result, e.g. a more comprehensive assessment based on all forms of available knowledge

Normative Rationale

Because it is the right thing to do, e.g. people have a right to be involved in decisions that affect them

Scientific Reasons

Users can help advance scientific research (e.g. local knowledge of biology, identifying survey sites, taking samples, long term monitoring, etc)

Social Reasons

Users offer a broader contextual perspective and can help ensure an ecosystem approach to management that includes socio-economic and cultural impacts



Lessons learned

What is Challenging

- Different Cultures & Worldviews
- Diverging Approaches to Knowledge
- Lack of Shared Language & Terminology
- Uneven Power Relations
- No Stable Funding Sources
- Patience Required

What is Important

- Trust & Confidence Building
- Humility & Respect
- Common Objectives & Shared Terminology
- Documenting Traditional & Local Knowledge
- Regular Interactions & Contact
- Formal and Informal Meeting Sites
- Long Term Stability of Initatives



Questions of relevance

Why do we want users involved in management decision-making?

Instrumental/Substantive/Normative Rationales; Scientific & Social Reasons; ...

Who should be involved?

Organisations or Selected individuals; Member Countries or also Others; ...

What form should this involvement take?

Parallel or Integrated; Standing or Ad hoc;...

When should it be done?

Before/During/After Development of Scientific Advice/Management Decision;...

How should it be conducted?

Country Specific/Species Specific/Universal;...

Community-Based Monitoring

Everyone should present examples on CBM from the Arctic or other region, following the questions on this slide.

Max 5 minutes per person.

- What is the name of the project / program?
- Where does it take place?
- What is the purpose?
- Who is involved?
- Who decides which observation, data to collect?
- How is observation, data collected?
- Who collects the observation, data?
- Who analyses the observation, data?
- Who has ownership of the observation, data?
- Is the observation, data public available?
- If yes; in which way?
- Is the hunter/fishermen/locals paid for the monitoring?
- Other relevant information?

Piniakkanik Sumiiffinni Nalunaarsuineq (PISUNA) Opening Doors to Native Knowledge



Revisiting the aim - how to translate into practice?

Landstingslov nr. 12 af 29. oktober 1999 om fangst og jagt

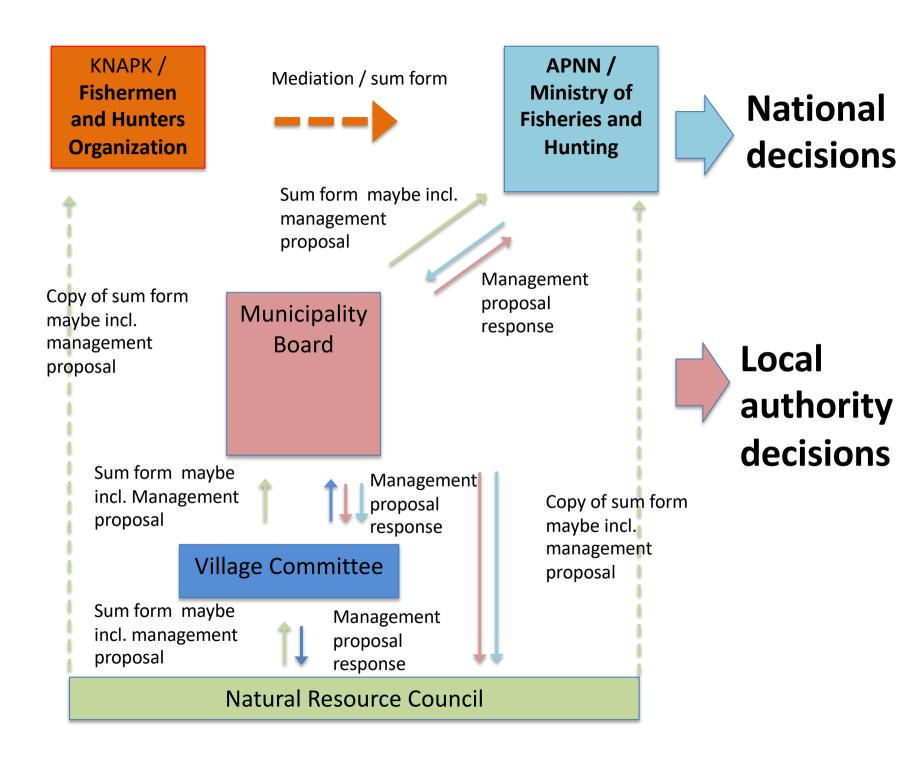
Lovens anvendelsesområde.

§ 1. Loven finder anvendelse på fangst og jagt på Grønlands land- og fiskeriterritorium.

Lovens formål.

- § 2. Loven har til formål at sikre en hensigtsmæssig og biologisk forsvarlig udnyttelse af fangstressourcerne.
- Stk. 2. Ved lovens administration skal der lægges vægt på ressourcernes bevarelse og reproduktion, den rationelle og sæsonmæssigt bedste udnyttelse i overensstemmelse med sædvanlig biologisk rådgivning, økonomiske og beskæftigelsesmæssige hensyn indenfor fangsterhvervet og dertil knyttede erhverv, andre erhvervsmæssige interesser samt på befolkningens rekreative behov.
- Stk. 3. I forbindelse med administration af fangst- og jagtforhold, skal der lægges vægt på inddragelse af fanger- og brugerviden udmøntet blandt andet via relevante hovedorganisationer samt Fangstrådet.
- Stk. 4. Landsstyret kan fastsætte nærmere bestemmelser om inddragelse af fangerog brugerviden i forbindelse med administration af fangst- og jagtforhold, jf. stk. 3.

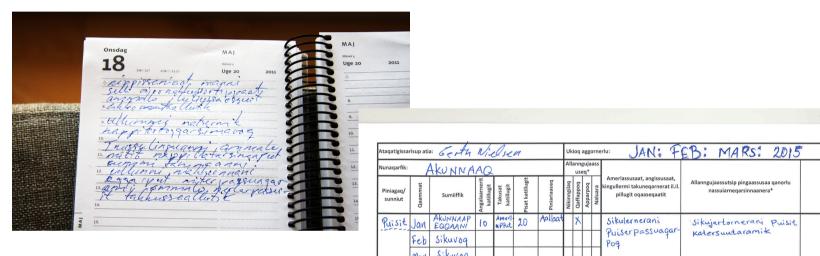




Data managers:



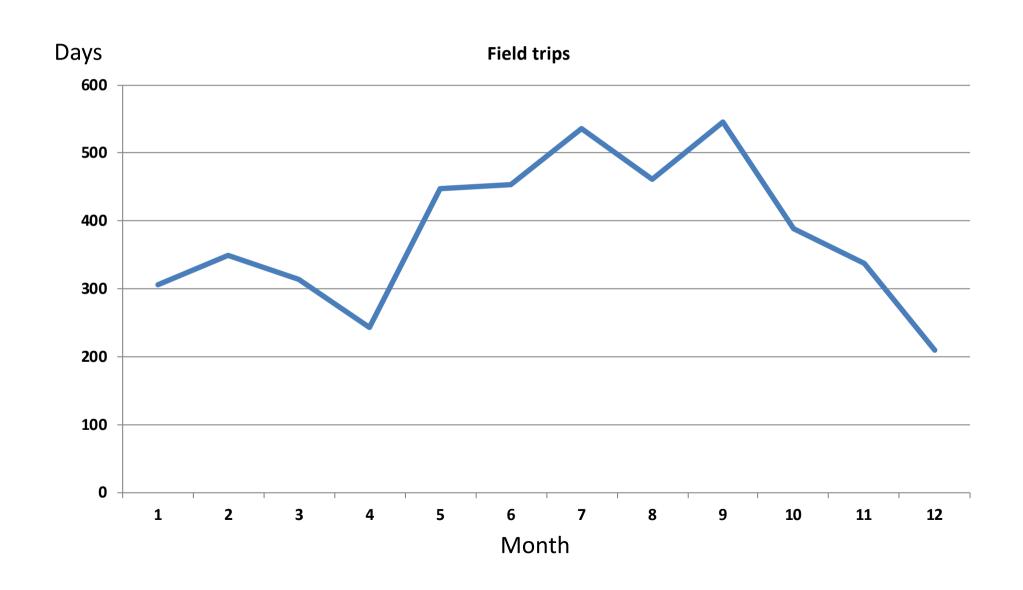
From calendar and quarterly forms to only quarterly summary forms





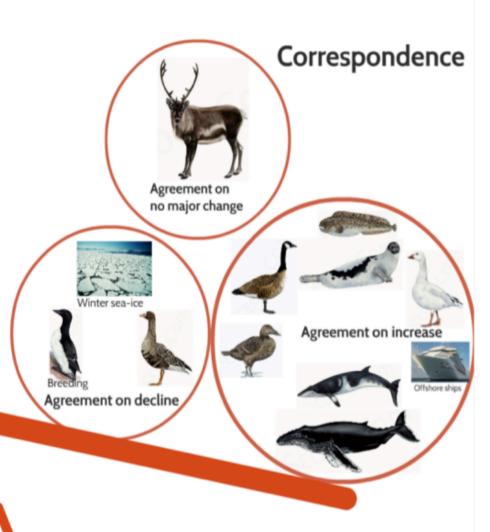
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Total effort behind PISUNA data



No correspondence





Results

Polar Geogr 37:69-91

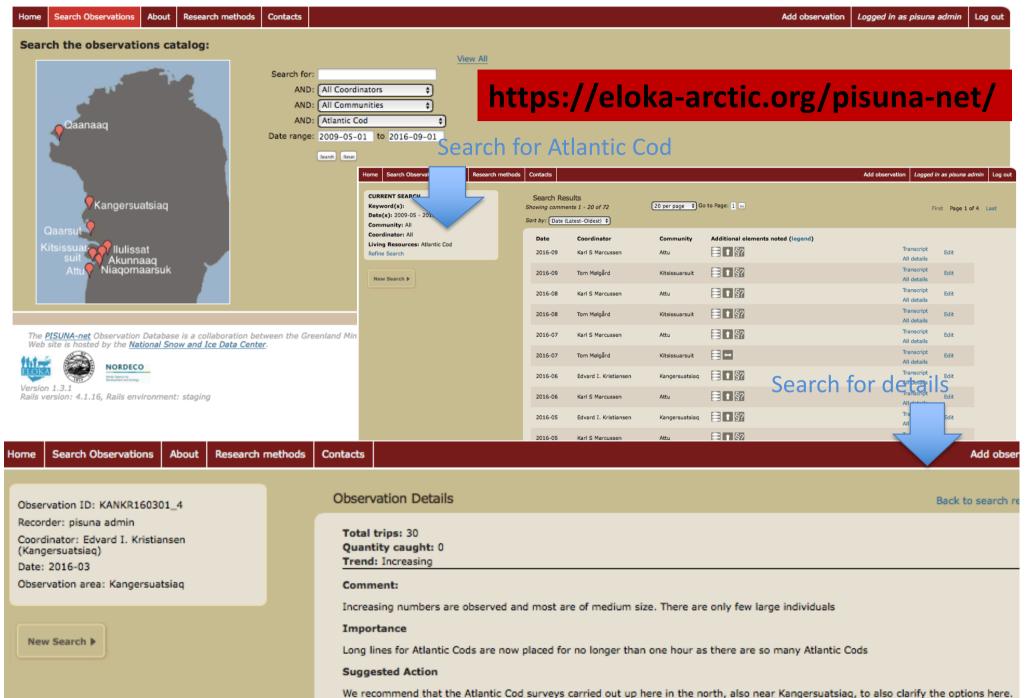
English | Greenlandic

PISUNA-net









The PISUNA approach...

Documents local knowledge

Shortens the time from observation to proposed decision

Relatively low cost, willingness to sustain

Good geographical coverage throughout the year

Provides data and information

Helps pinpoint species and areas in need of attention

Facilitates dialogue and inclusion of user knowledge

Improvements of PISUNA-NET: GRL language, fully icon-based search facility, further use of visuals as maps, app functions



Project

Resources



Pisuussutinik uumassusilinnik nakkutilliineg

Nunaqarfinnut illoqarfinnullu ilitsersuusiag

Missinglut, 12 feb. 2010

"Sikuusarnera allanngorpoq. Taamaalineralu maani sunut tamanut sunniuteqarpoq. Piniariariutalu aalisariaraangatta timmiarpassuit, puisit uumasullu allaat takusarpagut. Suut takusagut allattartarpagut – oqalligisisarparpullu tamanna qanoq isumaqamersoq Neriuppugut takusartakkagut uaguilu ilisimasagut Namminersorlutik Oqartussat isumatuunik aalajangiisarniisaaanut iluaqutaasinnaajumaartut..." Karl Tobiassen, Qaarsuneersoq oqarpoq.

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providing high-quality information.[5][6][7] participatory monitoring can raise local awareness and build the community

Polar Geography, 2014
Vol. 37, No. 1, 69–91, http://dx.doi.org/10.1080/1088937X.2014.890960



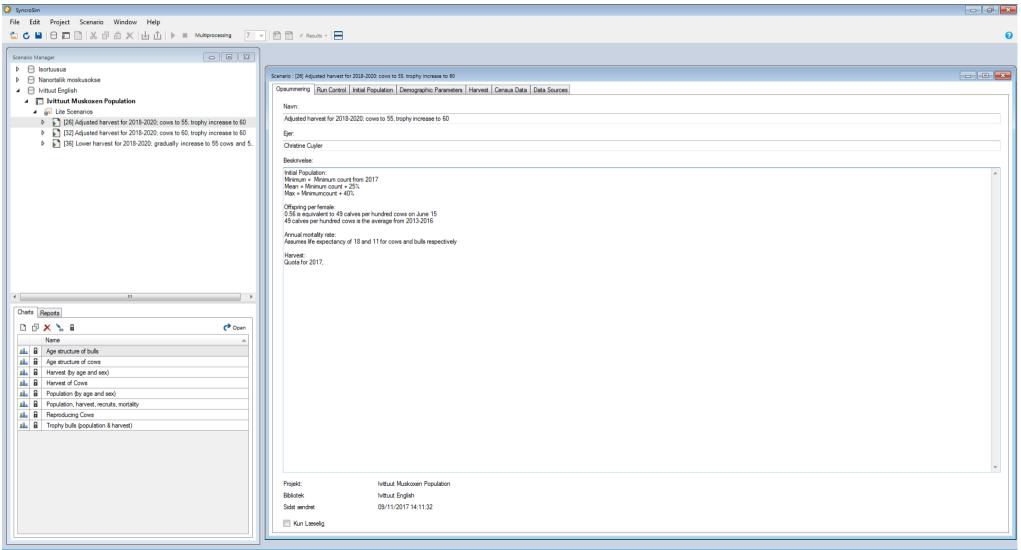
Counting what counts: using local knowledge to improve Arctic resource management

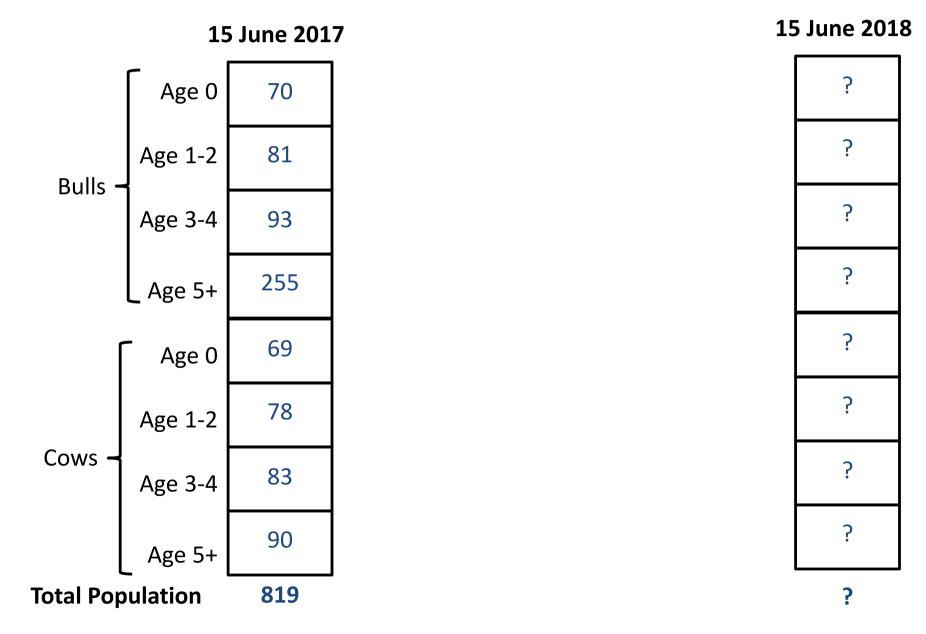
Finn Danielsen^{a*}, Elmer Topp-Jørgensen^b, Nette Levermann^c, Piitaaraq Løvstrøm^c, Martin Schiøtz^d, Martin Enghoff^e and Pâviârak Jakobsen^f

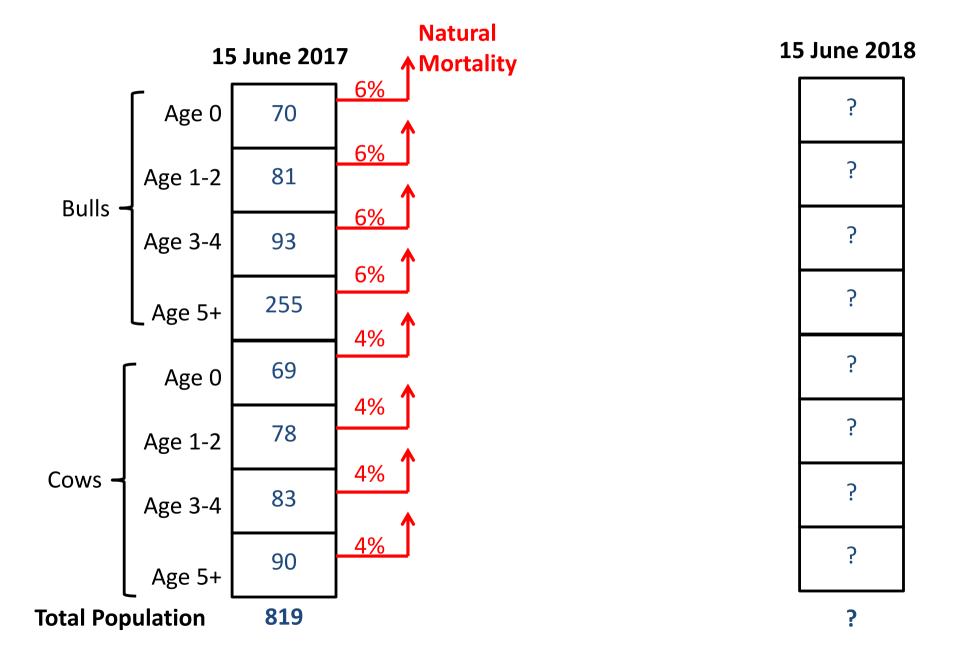


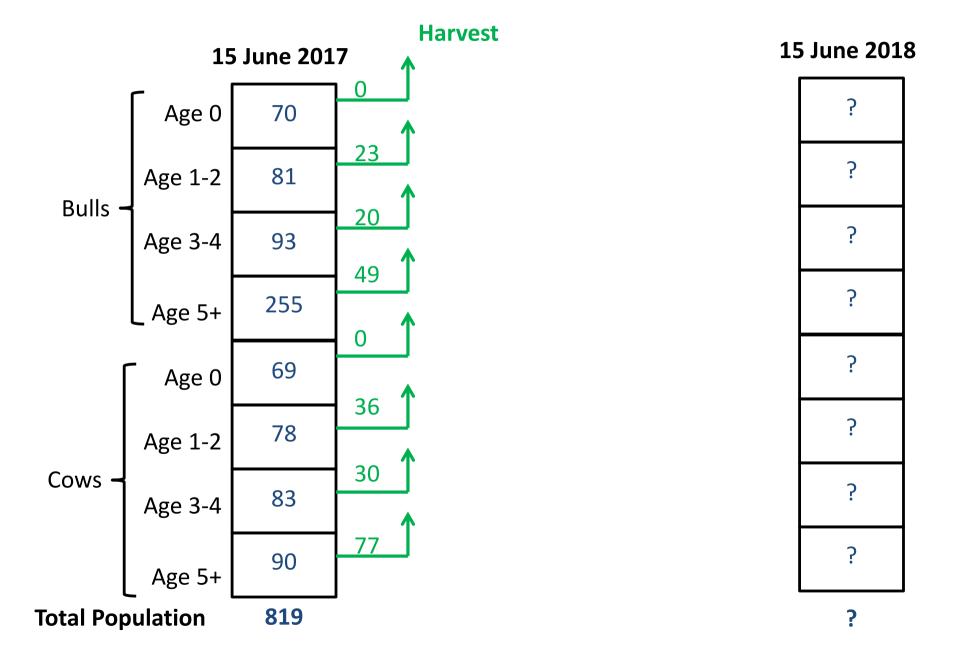
Activities in Greenland

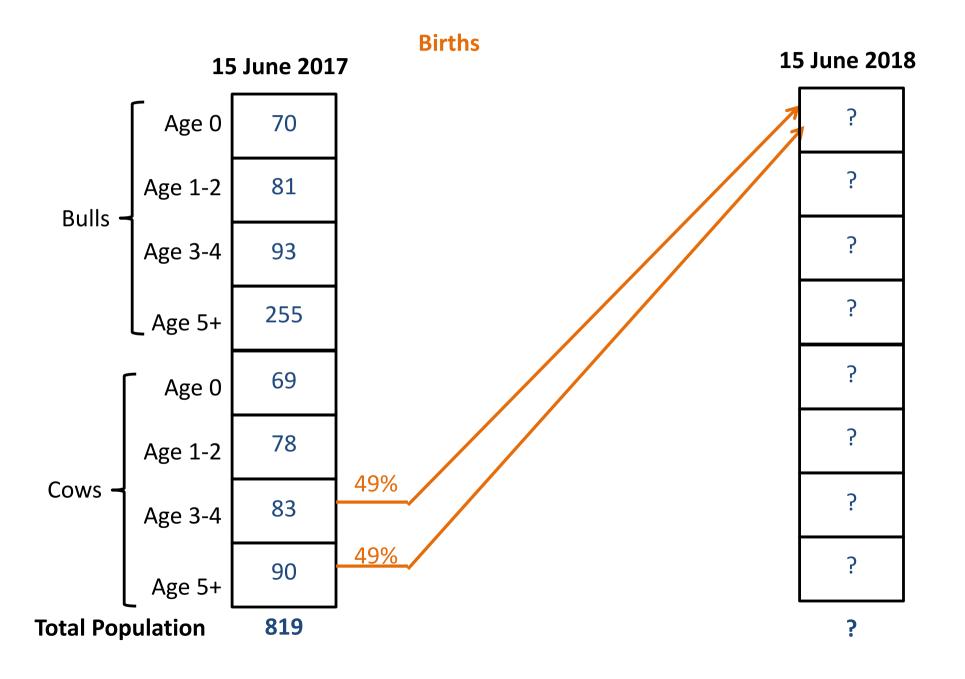
- Failure to regularly monitor reindeer and musk ox from GINR - does not lead to optimal management
- The project supports and develops locally performed minimum stock counts and other monitoring of musk ox and reindeer stocks
- Minimum stock counts and monitoring can contribute to improved local ownership and open to local management in the project areas and elsewhere in Greenland
- Results: Greater local knowledge of the stock.
 Greater local responsibility. Greater local influence.
 Better utilization of local resources.

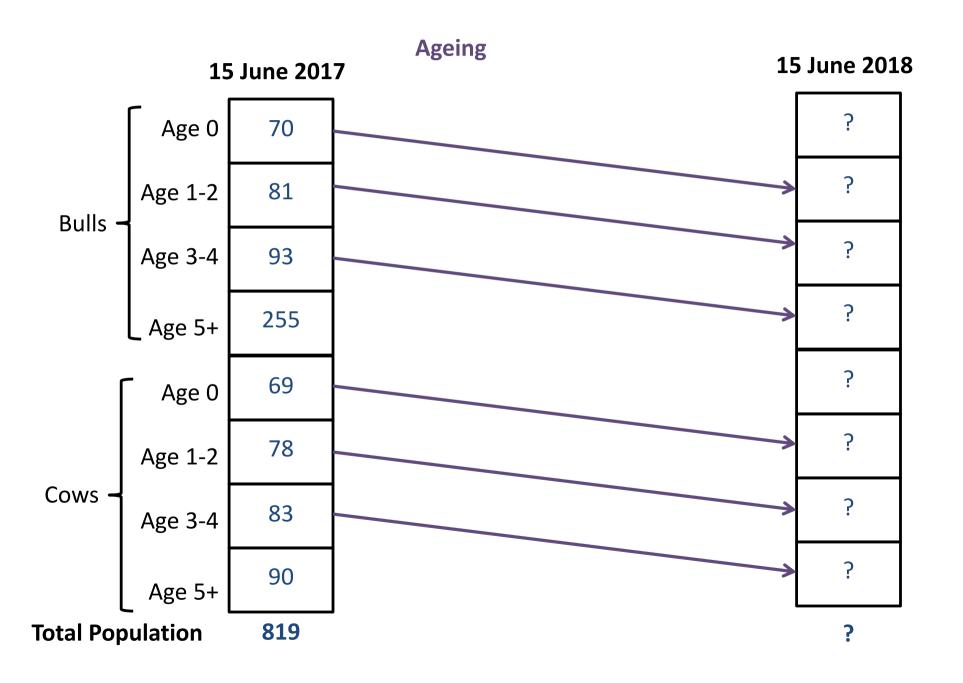


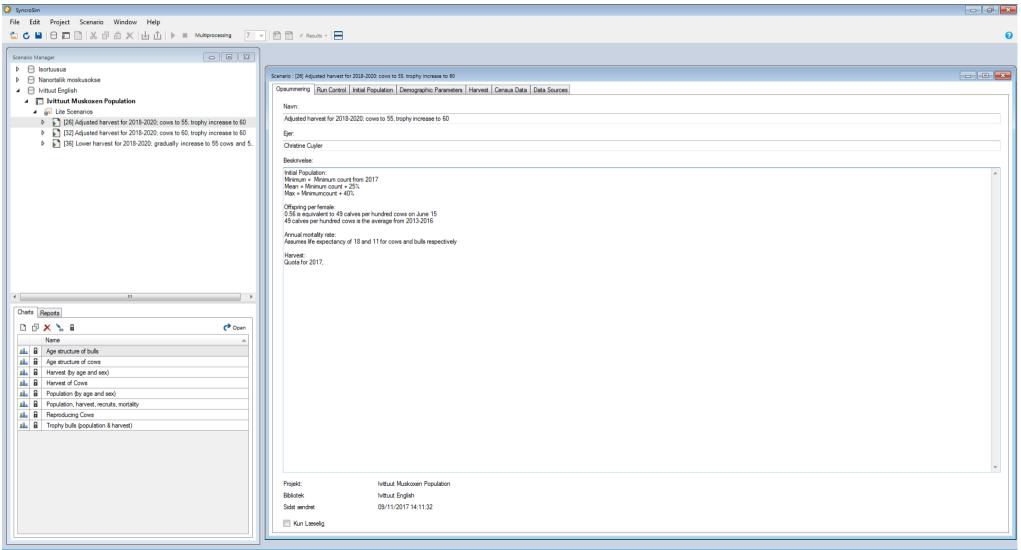


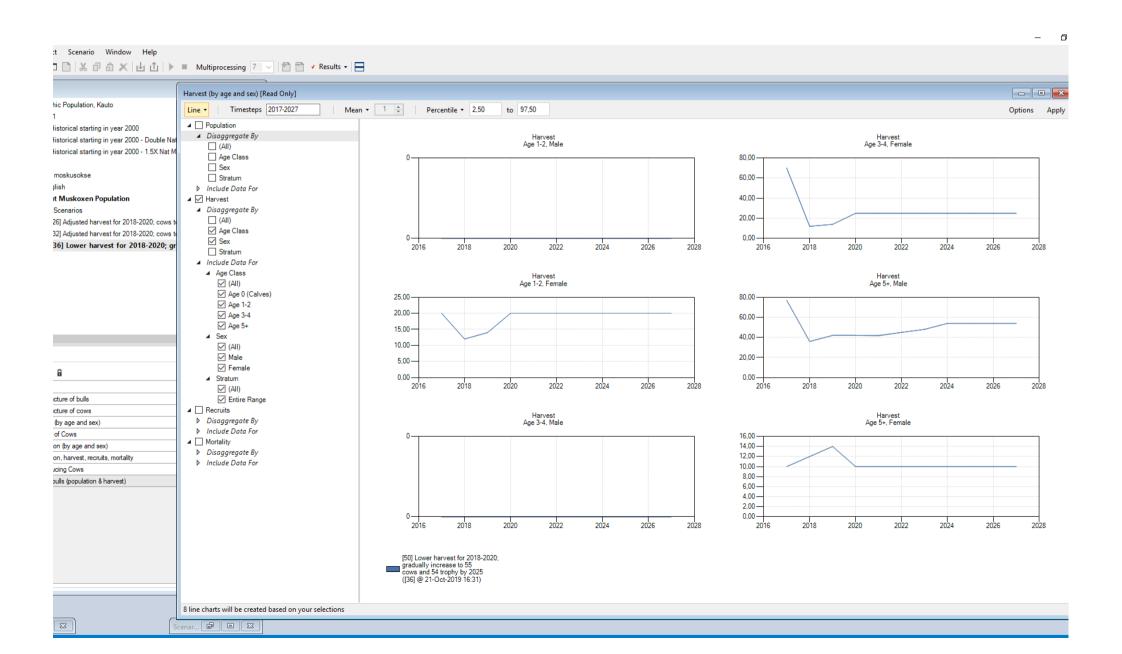


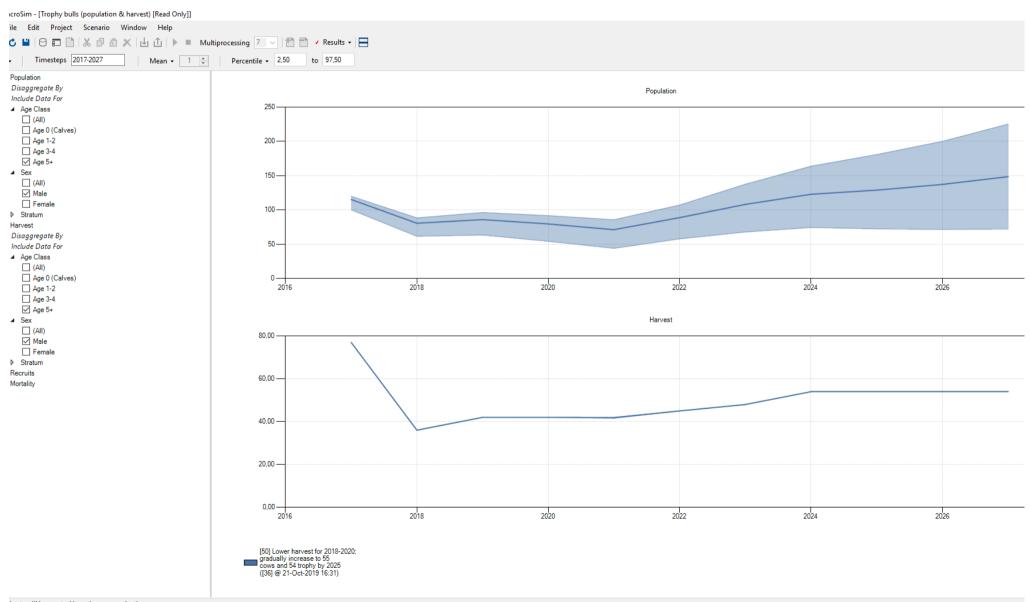












Webinar available from here:

https://www.nordres.org/single-post/2018/04/23/Webinar-Reindeer-and-Muskox-

Calculator

https://www.youtube.com/watch?v=Gxcex3RMzr8&feature=youtu.be

Muskox management in Greenland using DG-Sim | Government of Greenland

"Nordic Resource Management"

Tools to incorporate community knowledge into decision-making on the use of resources

Local residents' insights into natural resources and the environment are rarely used in a systematic way in the political process. In the past, Nordic authorities and researchers have, in collaboration with local residents, developed tools that can 'open doors' to indigenous peoples and local resident's knowledge.

The new tools are aimed at enabling indigenous peoples and local residents who utilize nature and natural resources to collect and communicate their knowledge. When indigenous and local knowledge are recorded and communicated in a systematic manner, this knowledge has a greater chance of being used, both in local and national decision-making.

The project is co-funded by the Nordic Council of Ministers during 2015-2017. It was initiated at the occasion of the Danish Chairmanship in 2015 as a "Political Priority Initiative". Website: nordres.org.

This recording took place in Nuuk, Greenland, at the Ministry of Fisheries and Hunting, Government of Greenland. The welcome is by Nette Levermann, biologist of the Ministry. Participants included The Ministry of Fisheries and Hunting, The Ministry of Nature and the Environment, Greenland Institute of Natural Resources, NORDECO, International Centre of Reindeer Husbandry, and Isortoq Reindeer Station.