

Research | Forskning > Report | Rapport

## Qimmeq-projektet - en jagt på slædehundens sjæl

Afsluttende rapport for "Qimmeq Projektet", fase 1.

**Forfatter:** Berg, S. ; Drud, A. ; Egevang, C. ; Feuerborn, T. ; Hansen, A.H. ; Holm, L.K. ; Houser, G. ; Ivik, O. ; Jensen, M.L. ; Lennert, N. ; Lennert, C. ; Langebæk, R. ; Lykke, P. ; Markussen, U. ; Olsen, E. ; Olsen, F. ; Papis, M. ; Peary, M. ; Andersen-Ranberg, E. ; Sinding, M. ; Sonne, C. ; Tegllhus, F.W. ; Vincent, S.d. ; Wilken, U. ; Morten Meldgaard  
**Type:** Report | Rapport **Årstal:** 2020 **Emner:** Slædehund; Grønland **Udgivelsessted:** Nuuk **Udgivelsesland:** Grønland

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Research | Forskning > Report | Rapport

## Qimmeq pillugu Sulinut - Qimmip qimuttup tarninganik piniarneq

**Forfatter:** Berg, S. ; Drud, A. ; Egevang, C. ; Feuerborn, T. ; Hansen, A.H. ; Holm, L.K. ; Houser, G. ; Ivik, O. ; Jensen, M.L. ; Jensen, M. ; Lennert, N. ; Lennert, C. ; Langebæk, R. ; Lykke, P. ; Markussen, U. ; Olsen, E. ; Olsen, F. ; Papis, M. ; Peary, M. ; Andersen-Ranberg, E. ; Sinding, M. ; Sonne, C. ; Tegllhus, F.W. ; Vincent, S.D. ; Wilken,U. ; Morten Meldgaard  
**Type:** Report | Rapport **Årstal:** 2020 **Emner:** Qimmeq; Kalallit Nunaat  
**Udgivelsessted:** Nuuk **Udgivelsesland:** Kalallit Nunaat

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Research | Forskning > Contribution to report | Bidrag til rapport

## The Qimmeq Project - A search for the soul of the sled dog

**Forfatter:** Berg, S. ; Drud, A. ; Egevang, C. ; Feuerborn, T. ; Hansen, A.J. ; Holm, L.K ; Houser, G. ; Ivik, O. ; Jensen, M. L. ; Jensen, M. ; Lennert, N. ; Lennert, C. ; Langebæk, R. ; Lykke, P. ; Markussen, U. ; Olsen, E. ; Olsen, F. ; Papis, M. ; Peary, M. ; Andersen-Ranberg, E. ; Sinding, M. ; Sonne, C. ; Tegllhus, F.W. ; Vincent, S.D. ; Wilken, U. ; Morten Meldgaard  
**Type:** Contribution to report | Bidrag til rapport **Årstal:** 2020 **Emner:** Sled dog; Greenland  
**Udgivelsessted:** Nuuk **Udgivelsesland:** Greenland

[Åben publikation](#)

Communication | Formidling > Contribution to book/anthology | Bidrag til bog/antologi

## Qimmeq - Den grønlandske slædehund

**Forfatter:** Andersen-Ranberg, E. ; Berg, S. ; Feuerborn, T. ; Hansen, A.J. ; Houser, G. ; Jensen, M.L. ; Langebæk, R. ; Lennert, N. ; Markussen, U. ; Morten Meldgaard; Sinding, M-H.S. ; Sonne, C. **Editor:** Egevang, Carsten  
**Type:** Contribution to book/anthology | Bidrag til bog/antologi **Årstal:** 2020 **Emner:** Slædehund; Grønland **Udgivelsessted:** København **Udgivelsesland:** Danmark **Forlag:** Alle alle **ISBN nummer:** 978-87-971780-0-3

Communication | Formidling > Contribution to book/anthology | Bidrag til bog/antologi

## Qimmeq - The Greenland Sled Dog

**Forfatter:** Andersen-Ranberg, E. ; Feuerborn, T. ; Hansen, A.J. ; Houser, G. ; Jensen, M.L. ; Langebæk, R. ; Lennert, N. ; Lykke, P. ; Markussen, U. ; Morten Meldgaard; Van den Berg, S. ; Sinding, M-H.S. ; Sonne, C.  
**Type:** Contribution to book/anthology | Bidrag til bog/antologi **Årstal:** 2020 **Emner:** Sled dog; Greenland  
**Udgivelsessted:** Copenhagen **Udgivelsesland:** Denmark **Forlag:** Alle alle **ISBN nummer:** 978-87-

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Communication | Formidling > Contribution to book/anthology | Bidrag til bog/antologi

### Qimmeq - Kalaallit qimmiat qimuttoq

**Forfatter:** Andersen-Ranberg, E. ; Feuerborn, T. ; Hansen, A.J. ; Houser, G. ; Jensen, M.L. ; Langebæk, R. ; Lennert, N. ; Lykke, P. ; Markussen, U. ; Morten Meldgaard; Van Den Berg, S. ; Sinding, M. H.-S. ; Sonne, C.  
**Editor:** Egevang, Carsten   **Type:** Contribution to book/anthology | Bidrag til bog/antologi   **Årstal:** 2020  
**Emner:** Qimmeq; Kalaallit Nunaat   **Udgivelsessted:** København   **Udgivelsesland:** Danmark   **ISBN nummer:** 978-87-971780-2-7

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Research | Forskning - peer review > Article | Artikel

### Arctic-adapted dogs emerged at the Pleistocene-Holocene transition

The results indicate that the major ancestry of modern sled dogs traces back to Siberia, where sled-dog-specific haplotypes of genes that potentially relate to Arctic adaptation were established by 9500 years ago.

**Forfatter:** Mikkel-Holger S. Sinding ; Shyam Gopalakrishnan ; Jazmín Ramos-Madriral ; Marc de Manut ; Vladimir V. Pitulko ; Lukas Kuderna ; Tatiana R. Feuerborn ; Laurent A. F. Frantz ; Filipe G. Vieira ; Jonas Niemann ; Jose A. Samaniego Castruita ; Christian Carøe ; Emilie U. Andersen-Ranberg ; Peter D. Jordan ; Elena Y. Pavlova ; Pavel A. Nikolskiy ; Aleksei K. Kasparov ; Varvara V. Ivanova ; Eske Willerslev ; Pontus Skoglund ; Merete Fredholm ; Sanne Eline Wennerberg ; Mads Peter Heide-Jørgensen ; Rune Dietz ; Christian Sonne ; Morten Meldgaard; Love Dalén ; Greger Larson ; Bent Petersen ; Thomas Sicheritz-Pontén ; Lutz Bachmann ; Øystein Wiig ; Tomas Marques-Bonet ; Anders J. Hansen ; M. Thomas P. Gilbert   **Type:** Article | Artikel   **Årstal:** 2020  
**Emner:** Sled dog; Arctic   **Titel på tidsskrift:** SCIENCE   **Volume på tidsskrift:** 368   **Nummer på tidsskrift:** 6498   **Udgiver:** AAAS   **Udgivelsessted:** USA   **Udgivelsesland:** USA   **DOI nummer:** 10.1126/science.aaz8599

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Consultancy | Rådgivning > Contribution to report | Bidrag til rapport

### livit, Folket bag Storisen - rapport om det faglige grundlag for en eventuel nominering til UNESCO

**Forfatter:** Jensen, J.F. ; Flora, J. ; Morten Meldgaard   **Type:** Contribution to report | Bidrag til rapport  
**Årstal:** 2020   **Emner:** Tasiilaq; UNESCO   **Udgivelsessted:** Nuuk   **Udgivelsesland:** Grønland   **ISBN nummer:** 978 87 90197 10 1

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Consultancy | Rådgivning > Contribution to report | Bidrag til rapport

### livit, Sikorsuit tunuanni Inuit - UNESCO-mut innersuunneqarsinnaaneq pillugu suliassaqarfimmi tungavissat nalunaarsusiarneqarnerat

**Forfatter:** Jensen, J.F. ; Flora, J. ; Morten Meldgaard   **Type:** Contribution to report | Bidrag til rapport  
**Årstal:** 2020   **Emner:** Tasiilaq; UNESCO   **Udgivelsessted:** Nuuk   **Udgivelsesland:** Kalallit Nunaat  
**ISBN nummer:** 978 87 90197 10 1

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Research | Forskning - peer review > Contribution to book/anthology | Bidrag til bog/antologi

### Stories of Life and Death in the Arctic

**Forfatter:** Morten Meldgaard **Editor:** Igor Krupnik ; Aron Crowell **Type:** Contribution to book/anthology | Bidrag til bog/antologi **Årstal:** 2020 **Emner:** Ecology; Arctic regions; History **Udgivelsessted:** Washington D.C. **Udgivelsesland:** USA **Værtpublikationens hoved- & undertitel:** Arctic Crashes: people and animals in the changing north **Forlag:** Smithsonian Institution Scholarly Press **ISBN nummer:** 978-1-944466-34-3

Research | Forskning - peer review > Article | Artikel

## Demographic reconstruction from ancient DNA supports rapid extinction of the great auk

The great auk was once abundant and distributed across the North Atlantic. It is now extinct, having been heavily exploited for its eggs, meat, and feathers. We investigated the impact of human hunting on its demise by integrating genetic data, GPS-based ocean current data, and analyses of population viability. We sequenced complete mitochondrial genomes of 41 individuals from across the species' geographic range and reconstructed population structure and population dynamics throughout the Holocene. Taken together, our data do not provide any evidence that great auks were at risk of extinction prior to the onset of intensive human hunting in the early 16th century. In addition, our population viability analyses reveal that even if the great auk had not been under threat by environmental change, human hunting alone could have been sufficient to cause its extinction. Our results emphasise the vulnerability of even abundant and widespread species to intense and localised exploitation.

**Forfatter:** Jessica E Thomas ; Gary R Carvalho ; James Haile ; Nicolas J Rawlence ; Michael D Martin ; Simon YW Ho ; Arnór P Sigfússon ; Vigfús A Jósefsson ; Morten Frederiksen ; Jannie F Linnebjerg ; Jose A Samaniego Castruita ; Jonas Niemann ; Mikkel Holger Strander Sinding; Marcela Sandoval-Velasco ; André ER Soares ; Robert Lacy ; Christina Barilaro ; Juila Best ; Dirk Brandis ; Chiara Cavallo ; Mikelo Elorza ; Kimball L Garrett ; Maaïke Groot ; Friederike Johansson ; Jan T Lifjeld ; Göran Nilson ; Dale Serjeanston ; Paul Sweet ; Errol Fuller ; Anne Karin Hufthammer ; Morten Meldgaard; Jon Fjeldså ; Beth Shapiro ; Michael Hofreiter ; John R Stewart ; M Thomas P Gilbert ; Michael Knapp **Type:** Article | Artikel **Årstal:** 2019 **Emner:** Evolutionary biology; Genetics and genomics; Seabird exploitation; 19th century extinction; Paleogenetics; Hunting; Ancient DNA **Titel på tidsskrift:** eLIFE **DOI nummer:** 10.7554/eLife.47509

## [Åben publikation](#)

Research | Forskning - peer review > Article | Artikel

## Population genomics of grey wolves and wolf-like canids in North America

North America is currently home to a number of grey wolf (*Canis lupus*) and wolf-like canid populations, including the coyote (*Canis latrans*) and the taxonomically controversial red, Eastern timber and Great Lakes wolves. We explored their population structure and regional gene flow using a dataset of 40 full genome sequences that represent the extant diversity of North American wolves and wolf-like canid populations. This included 15 new genomes (13 North American grey wolves, 1 red wolf and 1 Eastern timber/Great Lakes wolf), ranging from 0.4 to 15x coverage. In addition to providing full genome support for the previously proposed coyote-wolf admixture origin for the taxonomically controversial red, Eastern timber and Great Lakes wolves, the discriminatory power offered by our dataset suggests all North American grey wolves, including the Mexican form, are monophyletic, and thus share a common ancestor to the exclusion of all other wolves. Furthermore, we identify three distinct populations in the high arctic, one being a previously unidentified "Polar wolf" population endemic to Ellesmere Island and Greenland. Genetic diversity analyses reveal particularly high inbreeding and low heterozygosity in these Polar wolves, consistent with long-term isolation from the other North American wolves.

**Forfatter:** Mikkel Holger Strander Sinding; Shyam Gopalakrishan ; Filipe G. Vieira ; Jose A. Samaniego Castruita ; Katrine Raundrup ; Mads Peter Heide Jørgensen ; Morten Meldgaard; Bent Petersen ; Thomas Sicheritz-Ponten ; Johan Brus Mikkelsen ; Ulf Marquard-Petersen ; Rune Dietz ; Christian Sonne ; Love Dalén ; Lutz Bachmann ; Øystein Wiig ; Anders J. Hansen ; M. Thomas P. Gilbert **Type:** Article | Artikel **Årstal:** 2018 **Emner:**

## [Åben publikation](#)

Research | Forskning - peer review > Article | Artikel

### **Greenland sled dogs at risk of extinction**

**Forfatter:** Christian Sonne ; Rikke Langebæk ; Rune Dietz ; Emilie Andersen-Ranberg ; Geoff Houser ; Anders J. Hansen ; Mikkel Holger Strander Sinding; Morten Tange Olsen ; Carsten Egevang ; Thomas P. Gilbert ; Morten Meldgaard **Type:** Article | Artikel **Årstal:** 2018 **Emner:** Greenland; Sled dog; Extinction **Titel på tidsskrift:** Science **Volume på tidsskrift:** 360 **Nummer på tidsskrift:** 6393 **DOI nummer:** 10.1186/s13028-017-0353-5

## [Åben publikation](#)

Research | Forskning - peer review > Article | Artikel

### **DNA evidence of bowhead whale exploitation by Greenlandic Paleo-Inuit 4,000 years ago**

The demographic history of Greenland is characterized by recurrent migrations and extinctions since the first humans arrived 4,500 years ago. Our current understanding of these extinct cultures relies primarily on preserved fossils found in their archaeological deposits, which hold valuable information on past subsistence practices. However, some exploited taxa, though economically important, comprise only a small fraction of these sub-fossil assemblages. Here we reconstruct a comprehensive record of past subsistence economies in Greenland by sequencing ancient DNA from four well-described midden deposits. Our results confirm that the species found in the fossil record, like harp seal and ringed seal, were a vital part of Inuit subsistence, but also add a new dimension with evidence that caribou, walrus and whale species played a more prominent role for the survival of Paleo-Inuit cultures than previously reported. Most notably, we report evidence of bowhead whale exploitation by the Saqqaq culture 4,000 years ago.

**Forfatter:** Frederik Valeur Seersholm ; Mikkel Winther Pedersen ; Martin Jensen Søe ; Hussein Shokry ; Sarah Siu Tze Mak ; Anthony Ruter ; Maanasa Raghavan ; William Fitzhugh ; Kurt H. Kjær ; Eske Willerslev ; Morten Meldgaard; Christian M.O. Kapel ; Anders Johannes Hansen **Type:** Article | Artikel **Årstal:** 2016 **Emner:** DNA; Whale; Greenland; Paleo-Inuit **Titel på tidsskrift:** Nature **Volume på tidsskrift:** 7

## [Åben publikation](#)

Research | Forskning > Contribution to report | Bidrag til rapport

### **Projekt Kongehal.- In: Kongehallen fra Lejre. Symposium om rekonstruktionen af Vikingehallen fra Gl. Lejre og et vikingetidsmiljø, Lejre**

Rapport fra et symposium med arkæologer, historikere, arkitekter mfl med fokus på rekonstruktion af "Kongehallen" fra Gl. Lejre og et vikingetidsmiljø i Sagnlandet Lejre.

**Forfatter:** Morten Meldgaard; Anne Larsen **Editor:** Anne Larsen **Type:** Contribution to report | Bidrag til rapport **Årstal:** 1994 **Emner:** Vikingetid; Rekonstruktion; Kongehal; Sagnlandet Lejre **Udgivelsessted:** Sagnlandet Lejre **Udgivelsesland:** Danmark **Værtpublikationens hoved- & undertitel:** Teknisk Rapport **Volume:** 1 **Forlag:** Sagnlandet Lejre **ISBN nummer:** 87-87567-35-0

Consultancy | Rådgivning - peer review > Contribution to professional statement | Bidrag til faglig redegørelse

### **Aasivissuit - Nipisat: inuit hunting ground between ice and sea**

**Forfatter:** J. F. Jensen ; C. Andreasen ; P. Fleischer-Lyberth ; L. Løgstrup ; H. H. Poulsen ; O. R. Ólafsson ; A. C. Løventoft-Jessen ; S. Barr ; Morten Meldgaard **Type:** Contribution to professional statement | Bidrag til faglig redegørelse **Emner:** Aasivissuit; Nipisat; Inuit; Hunting **Afslutningsdato:** January 2017  
**Rekvirent:** Qeqqata Municipality

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Consultancy | Rådgivning - peer review > Professional statement | Faglig redegørelse

## **Aasivissuit – Nipisat. Inuit Hunting Ground between Ice and Sea**

Climate and topography in West Greenland along a vast west-to-east transect from the ocean and fjords to the ice sheet contains evidence of 4200 years of human history. Fisher-hunter-gatherer cultures have created an organically evolved and continuing cultural landscape based on hunting of land and sea animals, seasonal migrations and settlement patterns, and a rich and well-preserved material and intangible cultural heritage. Large communal winter houses and evidence of communal hunting of caribou via hides and drive systems are distinctive characteristics, along with archaeological sites from the Saqqaq (2500-700 BC), Dorset (800 BC-1 AD), Thule Inuit (from the 13th century) and colonial periods (from the 18th century). The cultural landscape is presented through the histories and landscapes of seven key localities from Nipisat in the west, to Aasivissuit, near the ice cap, in the east. The attributes of the property include buildings, structures, archaeological sites and artefacts associated with the history of the human occupation of the landscape; the landforms and ecosystems of the ice cap, fjords, lakes; natural resources, such as caribou, and other plant and animal species that support the hunting and fishing cultural practices; and the Inuit intangible cultural heritage and traditional knowledge of the environment, weather, navigation, shelter, foods and medicines.

**Forfatter:** J. F. Jensen ; C. Andreasen ; P. Fleischer-Lyberth ; L. Løgstrup ; H. H. Poulsen ; Ó. R. Ólafsson ; A. C. Løventoft-Jessen ; S. Barr ; Morten Meldgaard **Type:** Professional statement | Faglig redegørelse **Emner:** Aasivissuit; Nipisat; World Heritage Centre **Afslutningsdato:** 2017 **Rekvirent:** Qeqqata Municipality

## **[Åben publikation](#)**

Consultancy | Rådgivning - peer review > Contribution to professional statement | Bidrag til faglig redegørelse

## **Nomination of Aasivissuit-Nipisat - inuit hunting ground between ice and sea - for inclusion on the World Heritage List: Annex 2: management plan**

**Forfatter:** H. H. Poulsen ; C. Andreasen ; P. Fleischer-Lyberth ; L. Løgstrup ; J. F. Jensen ; Ó. R. Ólafsson ; A. C. Løventoft-Jessen ; Morten Meldgaard; S. Barr ; K. Würtz Poulsen **Type:** Contribution to professional statement | Bidrag til faglig redegørelse **Emner:** Aasivissuit; Nipisat; World Heritage Centre **Afslutningsdato:** 2017 **Rekvirent:** Qeqqata Municipality

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