

NOCCA 2018

Seal. A cultural resource and immaterial indigenous heritage for sustainable life in times of climate change.



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Arctic Culture Lab



Várjjat Sámi Musea / Varanger Samiske Museum

# Arctic Culture Lab, Kjøllefjord, Northern Norway







US Dept of State Geographer  
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Image Landsat / Copernicus  
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Google Earth

55°14'11.17" N 60°07'20.02" O sichthöhe 11001.72 km





US Dept of State Geographer  
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# Arctic warming hotspot in the northern Barents Sea linked to declining sea-ice import

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**The Arctic has warmed dramatically in recent decades, with greatest temperature increases observed in the northern Barents Sea. The warming signatures are not constrained to the atmosphere, but extend throughout the water column. Here, using a compilation of hydrographic observations from 1970 to 2016, we investigate the link between changing sea-ice import and this Arctic warming hotspot. A sharp increase in ocean temperature and salinity is apparent from the mid-2000s, which we show can be linked to a recent decline in sea-ice import and a corresponding loss in freshwater, leading to weakened ocean stratification, enhanced vertical mixing and increased upward fluxes of heat and salt that prevent sea-ice formation and increase ocean heat content. Thus, the northern Barents Sea may soon complete the transition from a cold and stratified Arctic to a warm and well-mixed Atlantic-dominated climate regime. Such a shift would have unknown consequences for the Barents Sea ecosystem, including ice-associated marine mammals and commercial fish stocks.**

**T**he Arctic is experiencing the strongest warming on the planet and, in recent decades, a loss of sea ice unprecedented in the instrumental record. This has led to a number of studies investigating the impact of sea ice loss on the Arctic climate system, the water column, the sea ice and the lower atmosphere on an interannual timescale, with the overarching objective to explain the Arctic







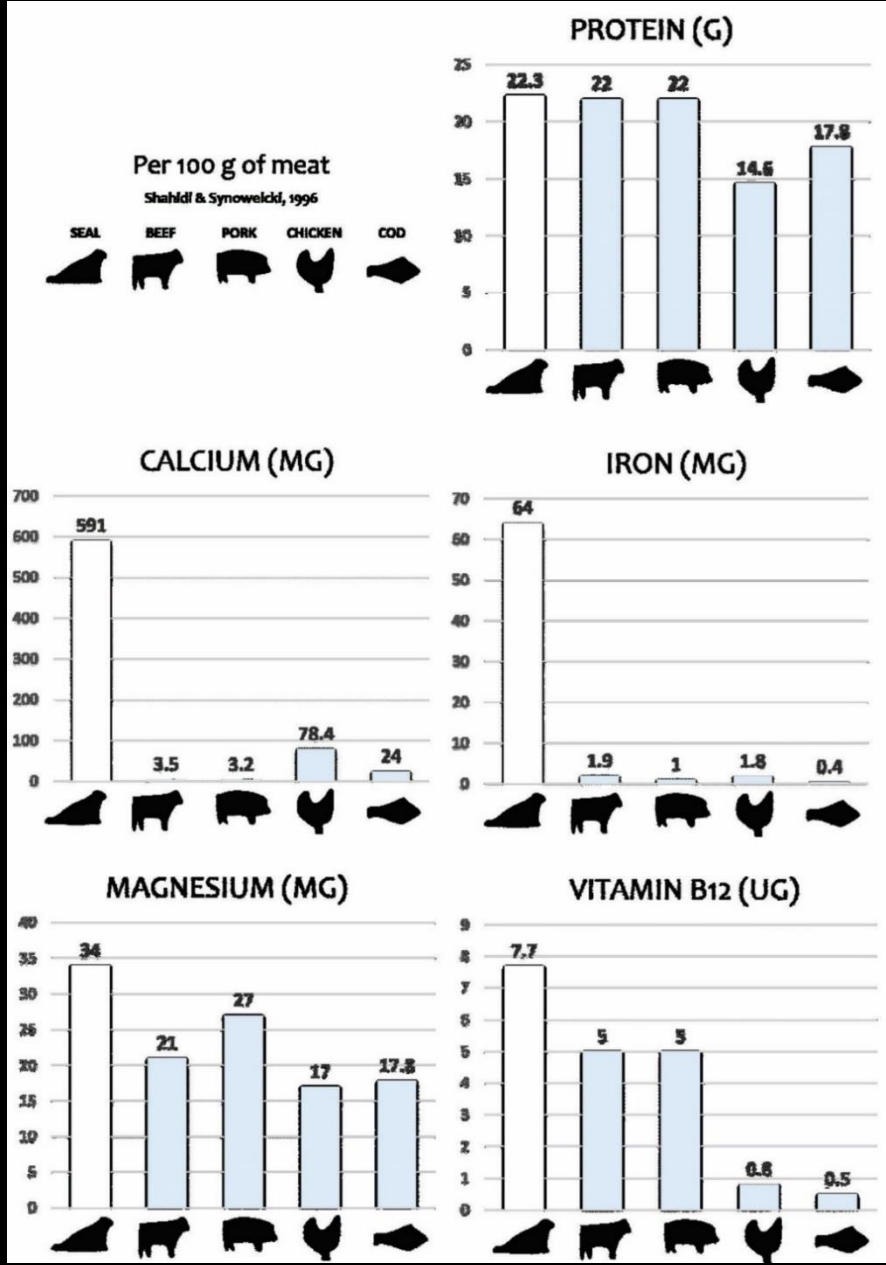
**Áidni** havert hunn  
**Ákču** steinkobbe hunn  
**Ávjjur** klappmyss  
**Ávskárgahtte** liten ringsel  
**Bávdagas** selunge  
**Bierta** sammensydd selskinn  
**Botki** stjerten på sel  
**Čeavlat** sove på vannet (om sel)  
**Ceavzza** Olje, tran  
**Dealjjadat** Hud av grønlandssel  
**Dealljá** Grønlandssel  
**Dealljádats** skinn av grønlandssel  
**Deavut** havert hann  
**Fáhttenjunni** klappmyss hann  
**Farao-ganda** Ringselunge  
**Fihčču** bakluffen på sel  
**Gáhtir** framluffen hos sel  
**Gahtte** ringsel  
**Gealdi** spenne rygg  
**Geadgán, geadgenjuorju,**  
**norroš** steinkobbe  
**Golpát** sove på magen på vannet (om sel)  
**Jeagáskat** Hud av storkobbe  
**Jiegáskat** Storkobbeskinn  
**Jiegis** blåsel, storkobbe  
**Luosti** havertunge  
**Luddat** svømme under vannskorpen

**Márfu** pølse av selkjøtt og spekk  
**Njákkču** nyfødt selunge  
**Njuorjjodats** selskinn  
**Njuorjjohat** Selskinnssko  
**Njuorjjotbealli** sko med selskinnsåle  
**Njuorjju, njuorju** sel  
**Njurjet** fangste sel  
**Njurjohat** selskinnsko  
**Oaidodat** Lyst selskinn med sorte små spetter.  
**Oaidu** grønlandssel  
**Readdi** havert, 2-3 år gammel  
**Riehkku** havert?  
**Rohka** steinkobbe, fullvoksen hann  
**Rohkadats** skinn av steinkobbe  
**Skávdodat** Skinn av en årsgammel selunge  
**Skávdud** årsgammel steinkobbeunge  
**Skuhttárlunsa** skytterlunse  
**Spárdu** arr på en sel  
**Spierbbaldat** reim (av selskinn)  
**Suvjadealljá** grønlandssel  
**Varranábat** nyfødt selunge  
**Vatnil** selflokk  
**Vieksádat** Skinn av steinkobbeunge  
**Vieksi** steinkobbeunge



lost heritage or neglecting identity

lost stories or neglecting the narrative (Sealkie)





# Seal Reintroduction Project

- bringing seal to people
- Use of the entire animal
- Garving methods
- Sewing garmets for daily use
- Food preparation
- Annual Seal feast
- local contribution to blue economy







global

or

local



Globalisation vs. Localisation

Colonisation vs. Decolonisation



# Need for political climate change

<https://www.facebook.com/angryinuk/videos/10156048822316950/>

<https://vimeo.com/164312125>

