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ARCTIC EIDER SOCIETY

*Indigenous-Driven Solutions for Thriving Communities*

***Quantifying the Impact of Investing in  
Indigenous-Led Conservation Economies***

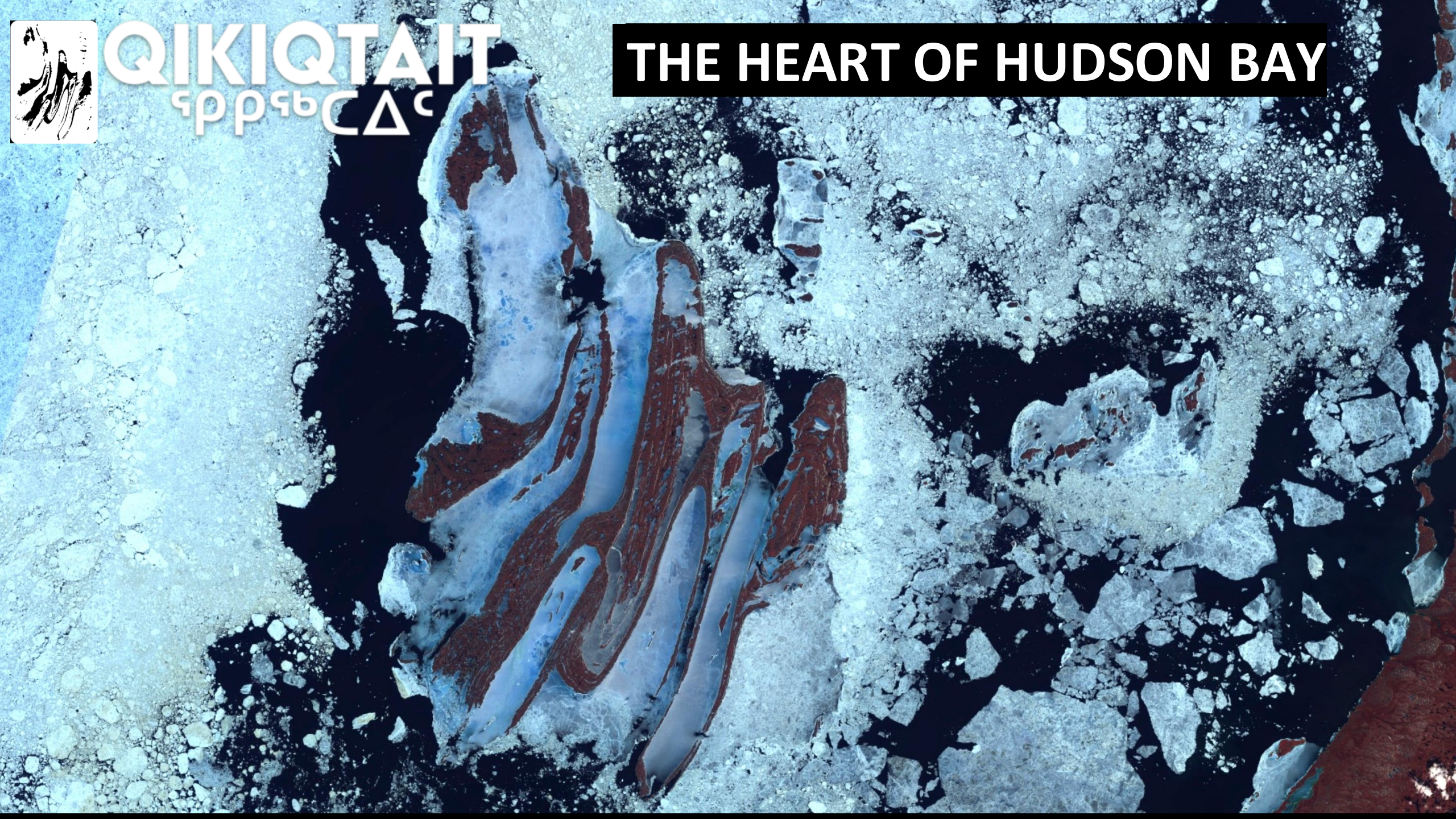


QIKIQTAIT

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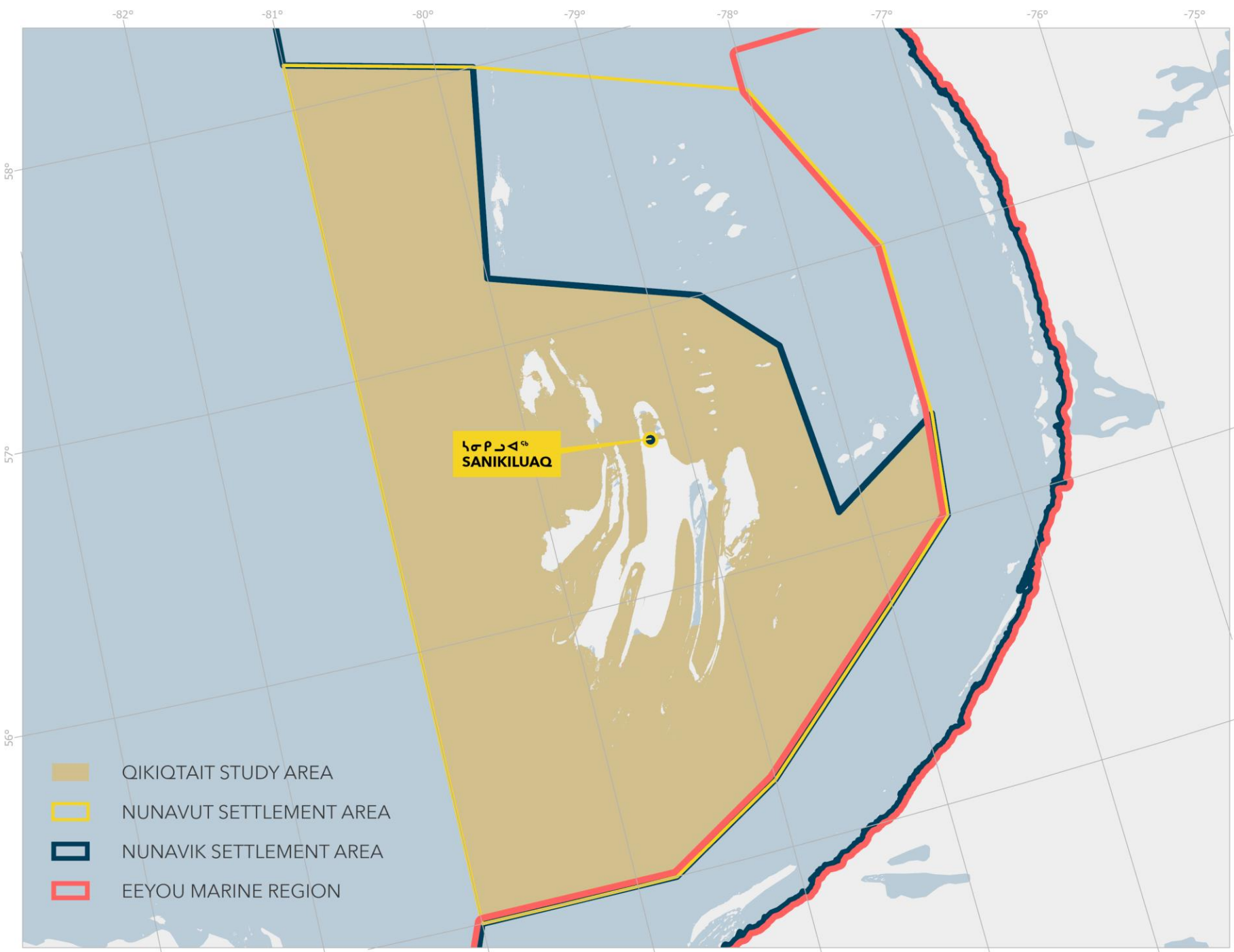






**QIKIQTAIT**  
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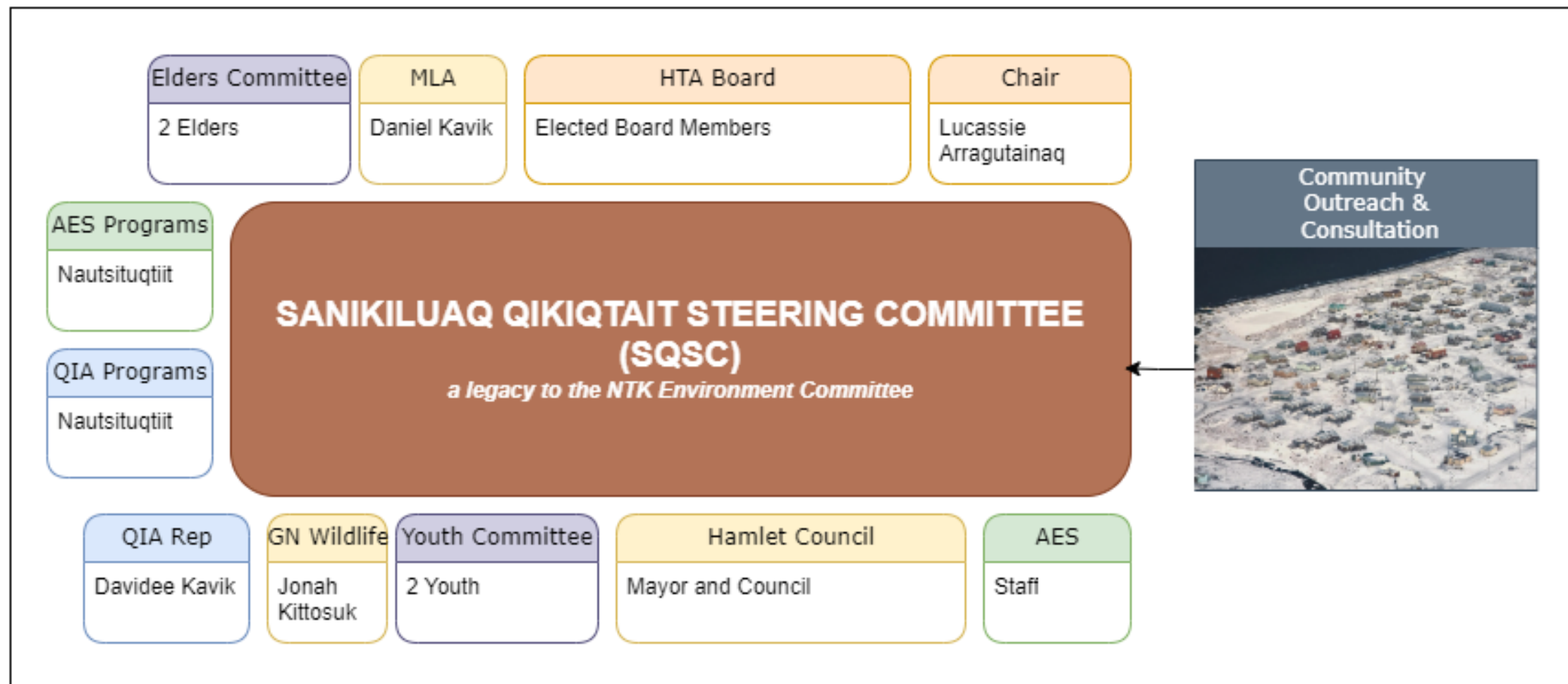
**THE HEART OF HUDSON BAY**





# LOCAL DECISION MAKING AND GOVERNANCE

# Whole-of-Community Approach to Governance for Sanikiluaq / Qikiqtait Programs



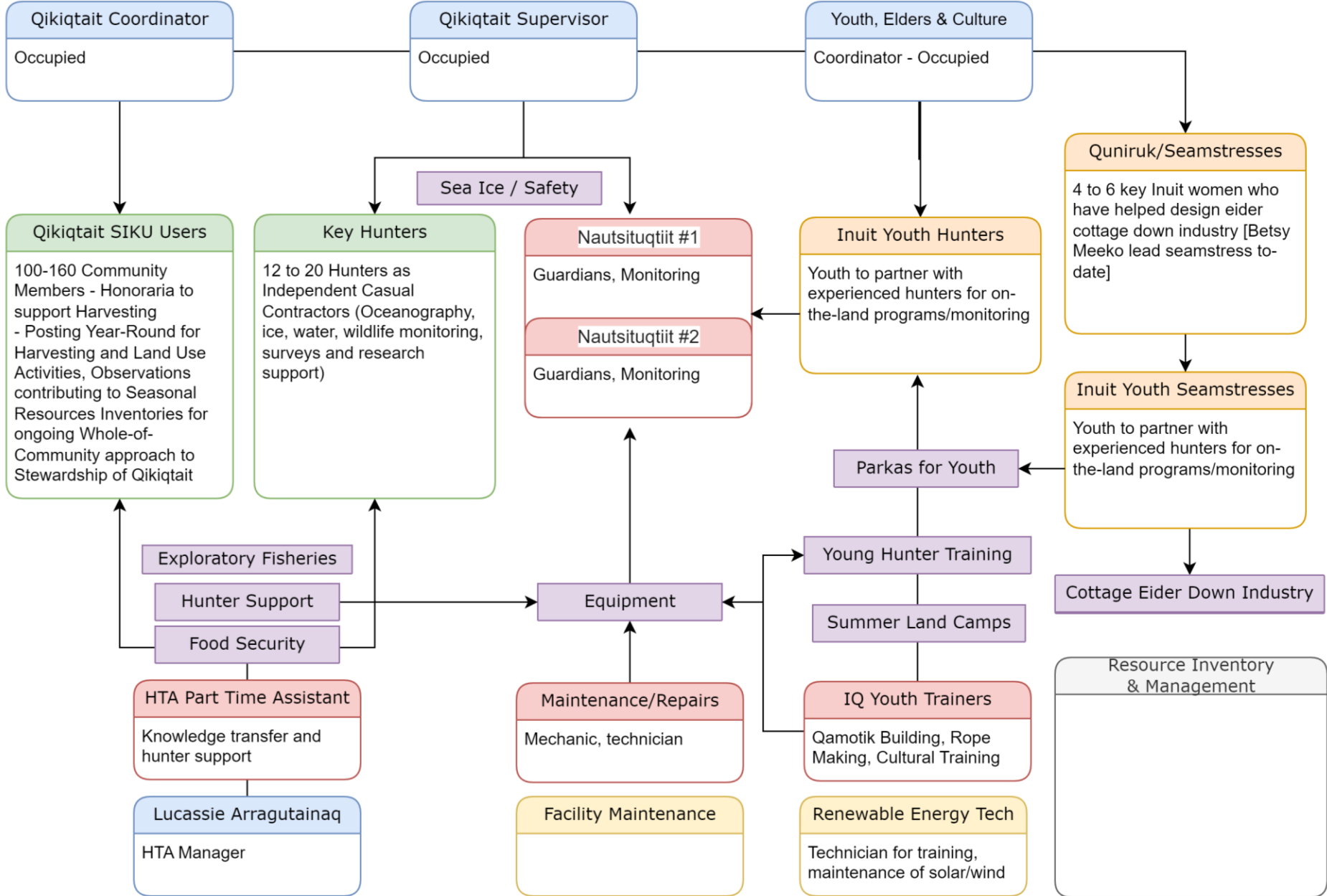


QIKIQTAIT



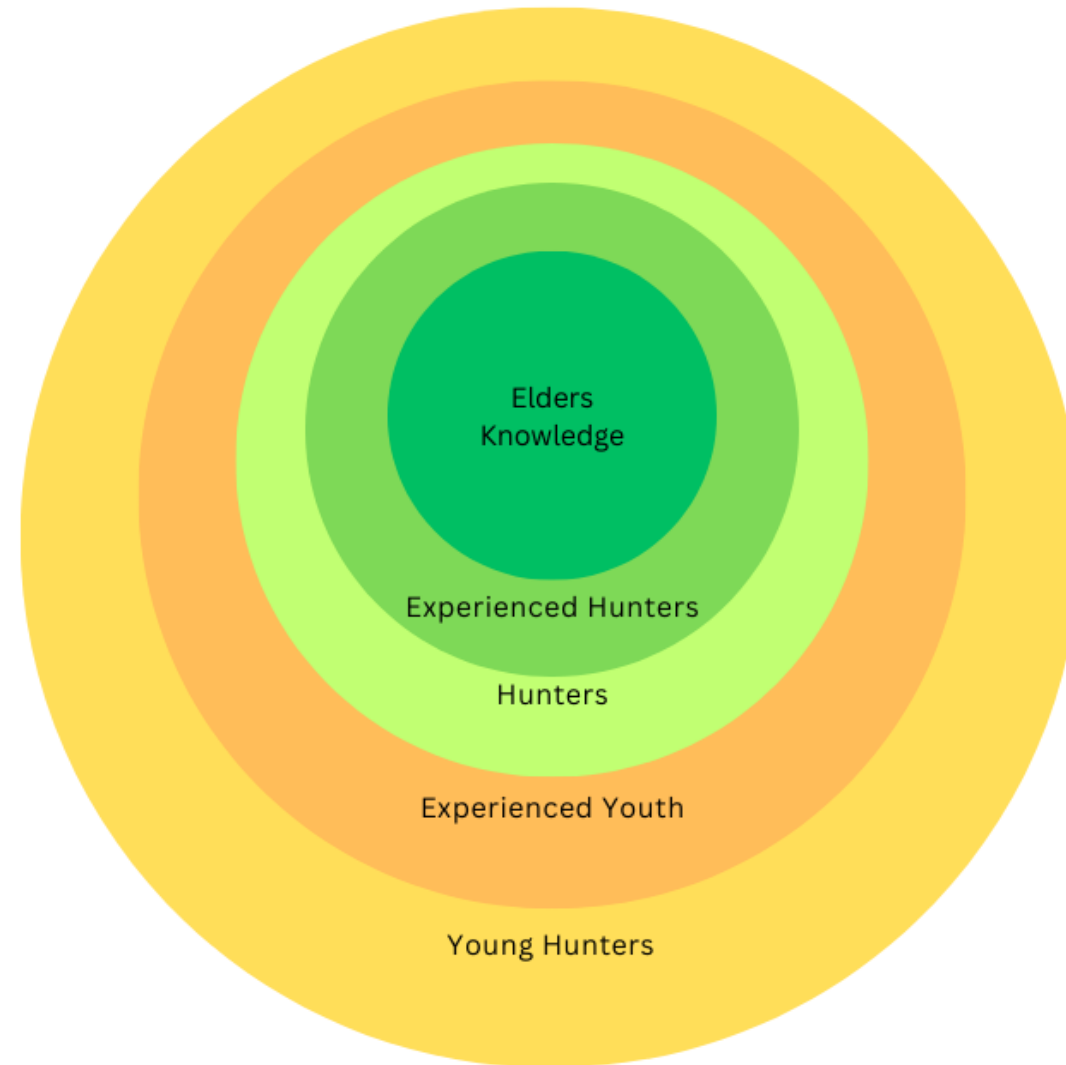


# Designing a Conservation Economy for Qikiqtait

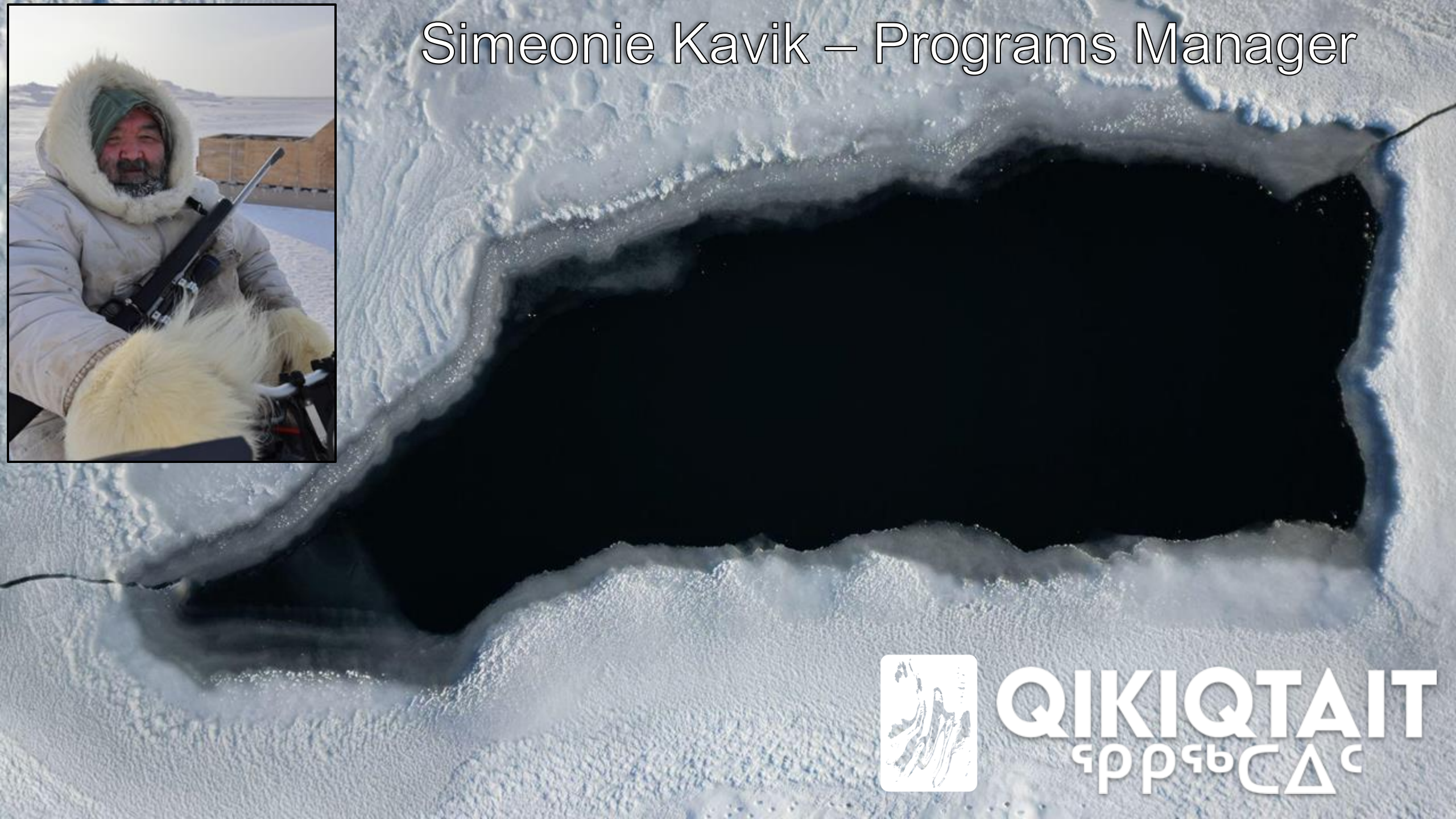




# Knowledge Transfer as a Guide to Program Structure



# Simeonie Kavik – Programs Manager



**QIKIQTAIT**  
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# QIKIQTAIT

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## Equipment making program





# QIKIQTAIT

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## Youth Hunting Programs





# QIKIQTAIT

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Boats, Search and Rescue, Repair







# QIKIQTAIT

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## Manage Staff, Crew, and Community Driven Research Programs



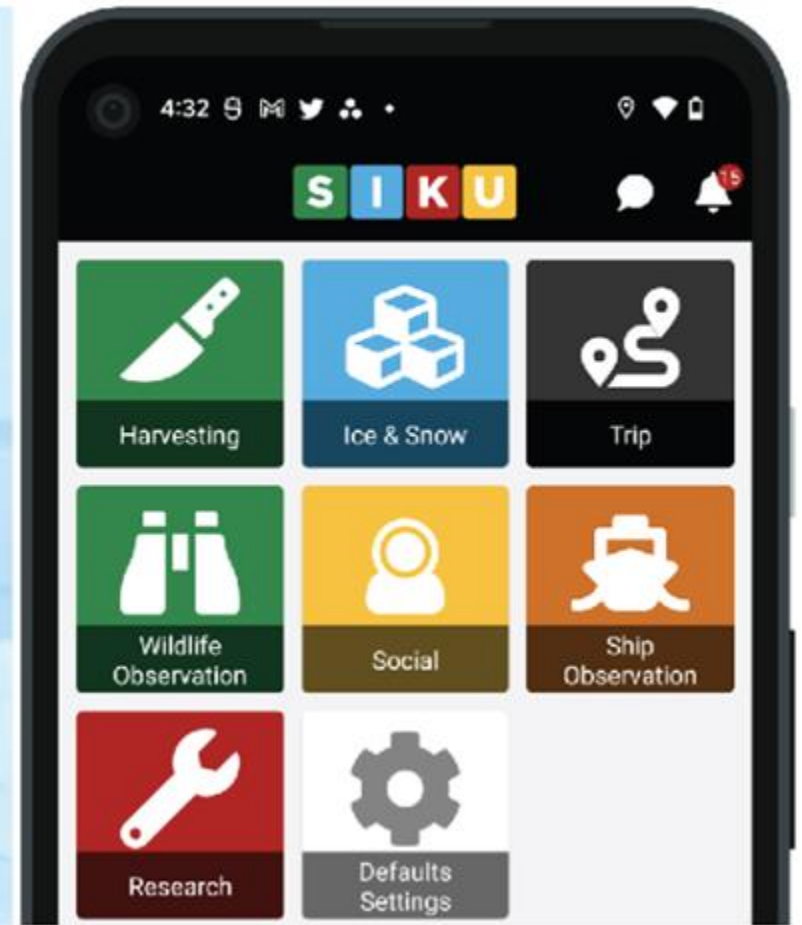




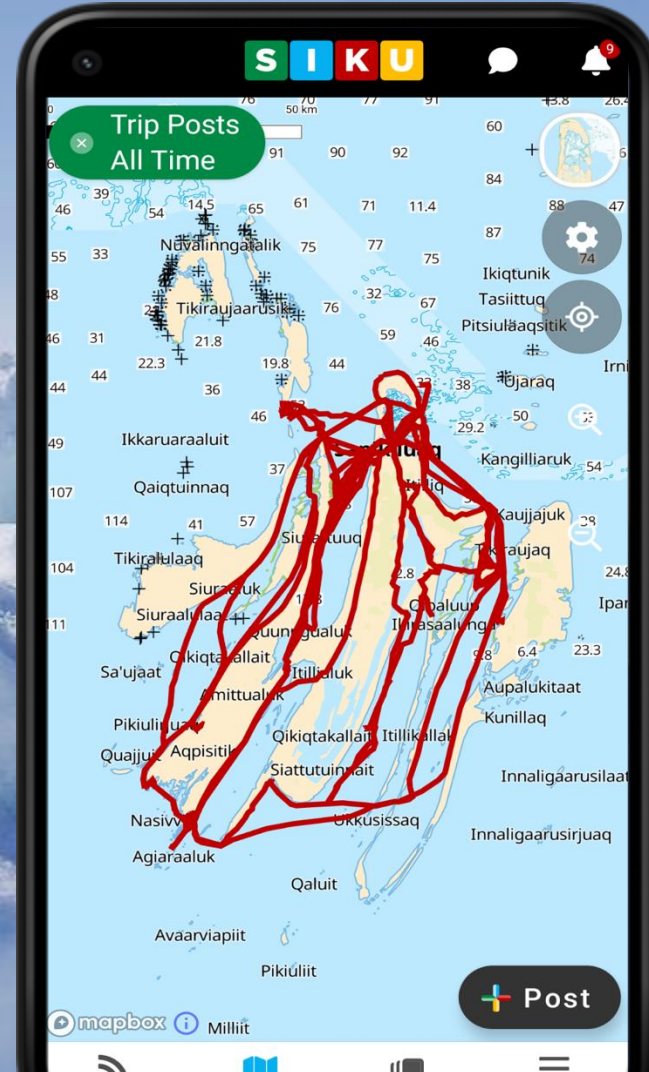
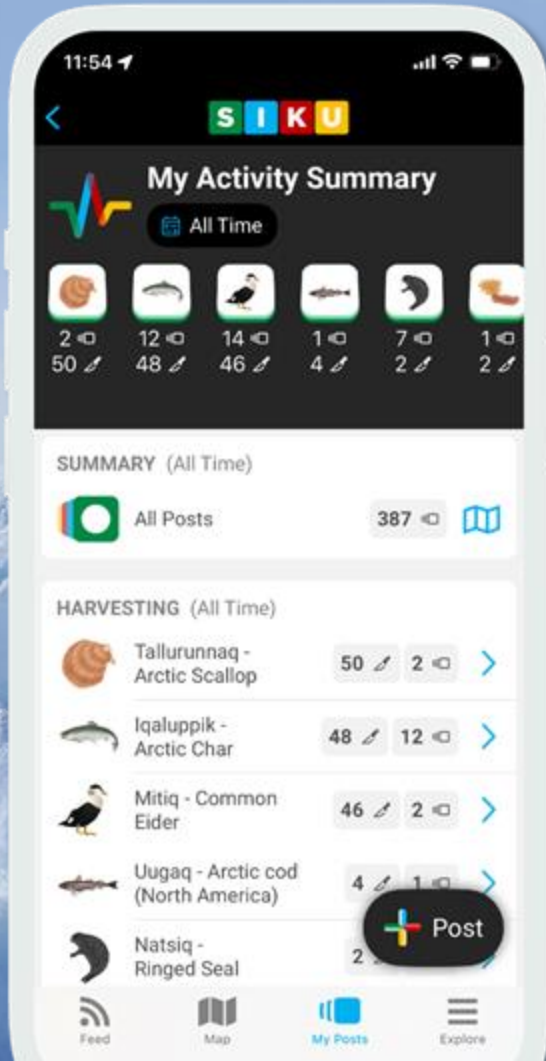
# QIKIQTAIT

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## Whole-of-Community Approach to gathering Knowledge for Managing Qikiqtaut



# Economy of the Hunter



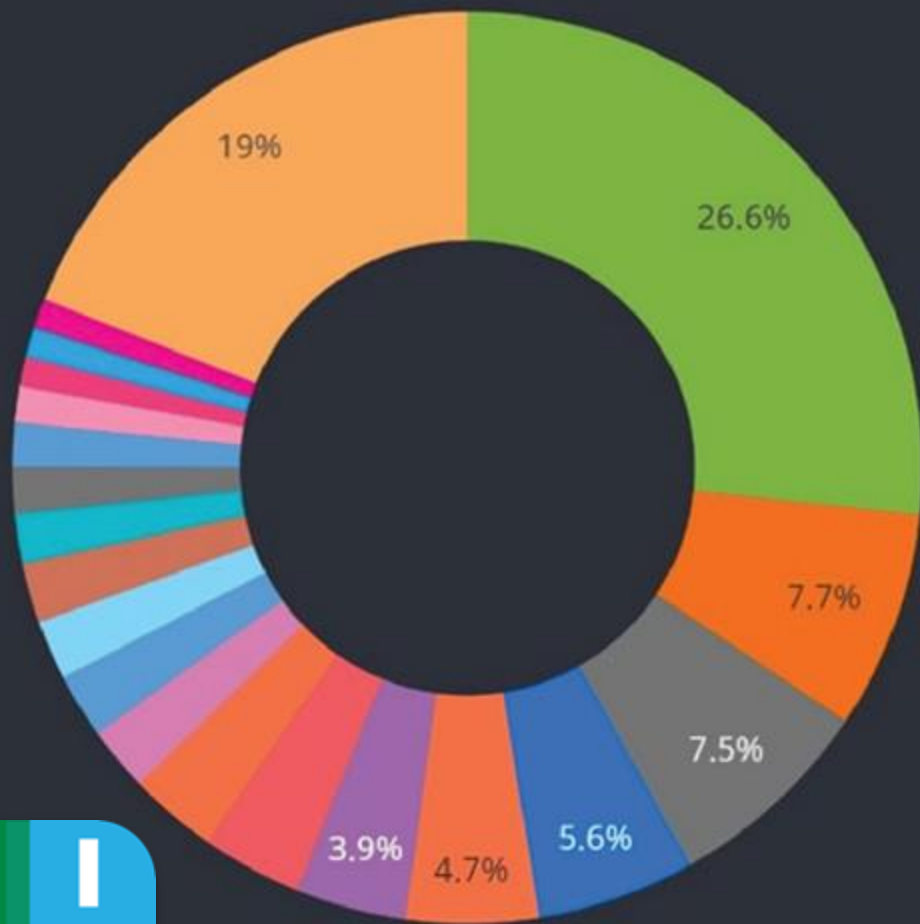




# QIKIQTAIT

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Sanikiluaq 2020 - 2024



- Iqaluppik • Arctic Char
- Nattiq • Ringed Seal
- Mitiq • Common Eider
- Nirlik • Canada goose (Short Neck)
- Tiriganiarjuk • Arctic Fox
- Kigutangirnaq • Blueberry
- Uluagullik • Canada Goose (Long-Neck)
- Kapisilik • Whitefish
- Aqpik • Cloudberry
- Kanajuq • Sculpin
- Ammuumajuq • Clam
- Uviluq • Blue Mussel
- Paurngaq • Crowberry
- Polar Bear • Nanuq
- Nauja quksik • Herring Gull
- Qilalugaq • Beluga Whale
- Unknown Plant
- Itiq • Green Urchin
- Kangutva • Snow Goose
- others

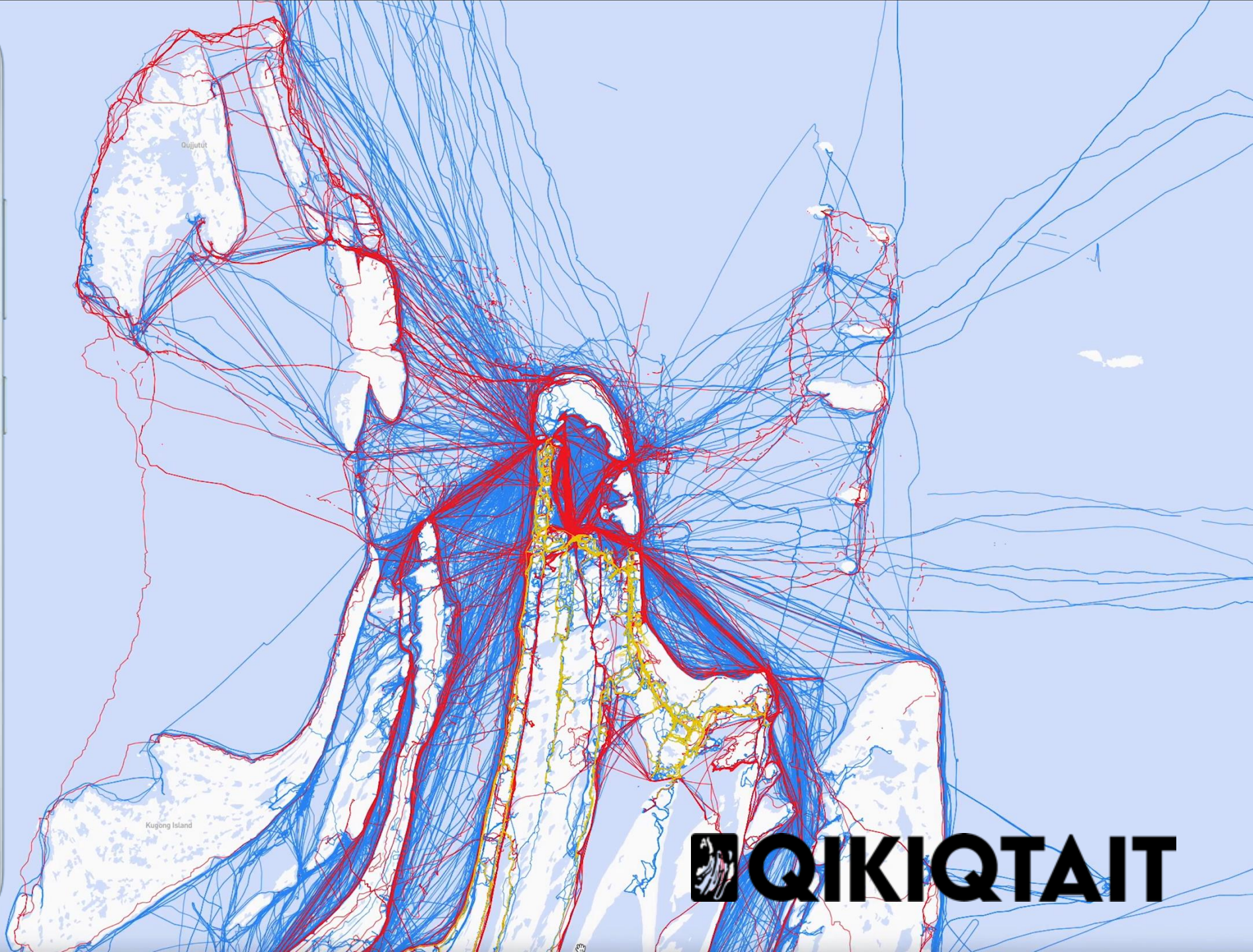
People Posting  
**398**

Trips Documented  
**28,453**

Posts Made  
**57,683**

KM Tracked  
**2,104,582**

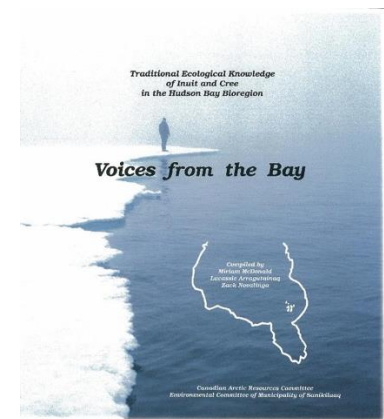
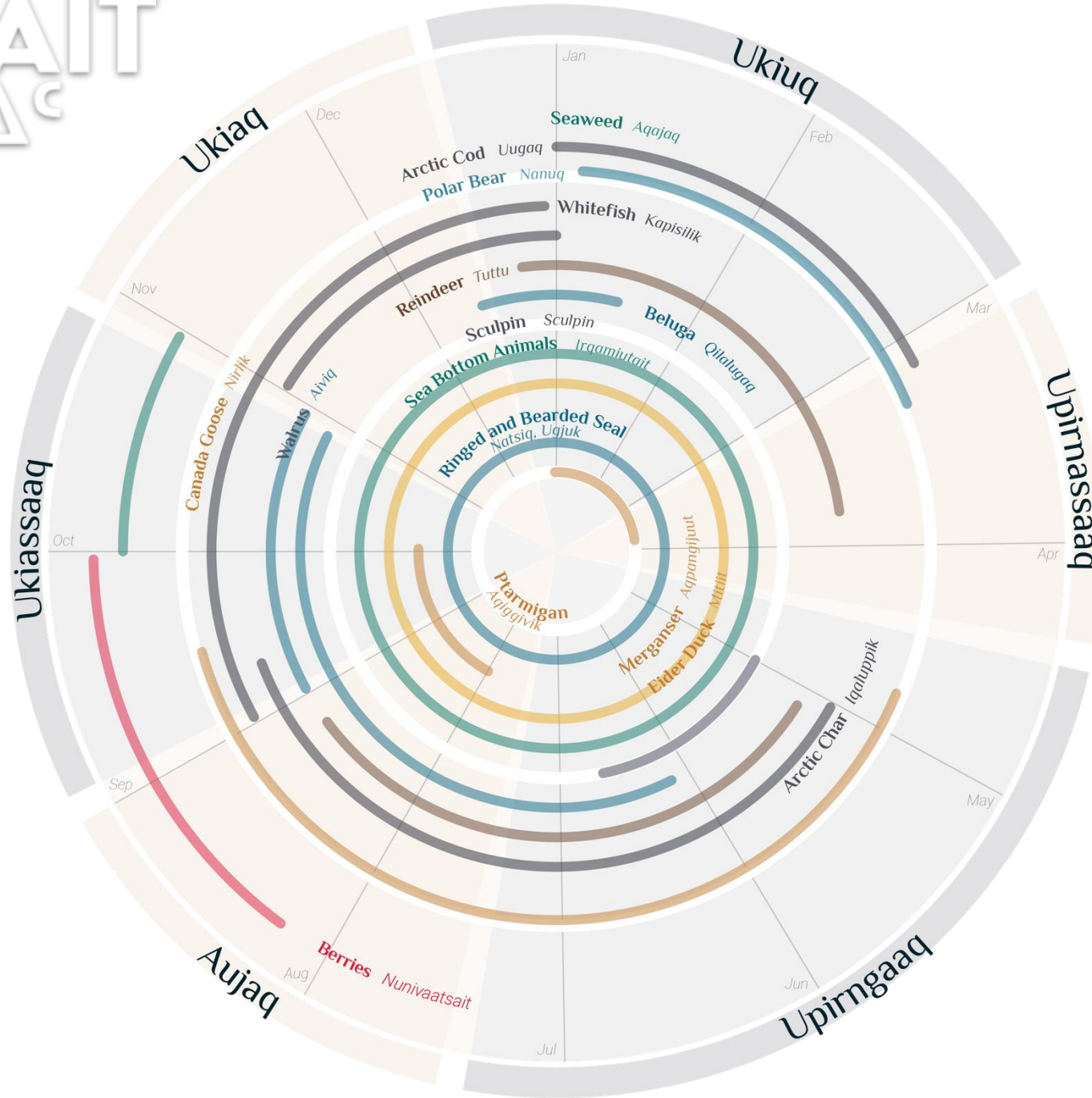






# QIKIQTAIT

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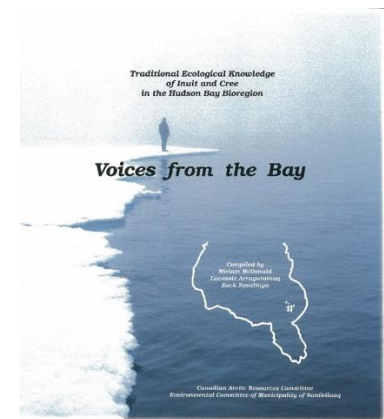
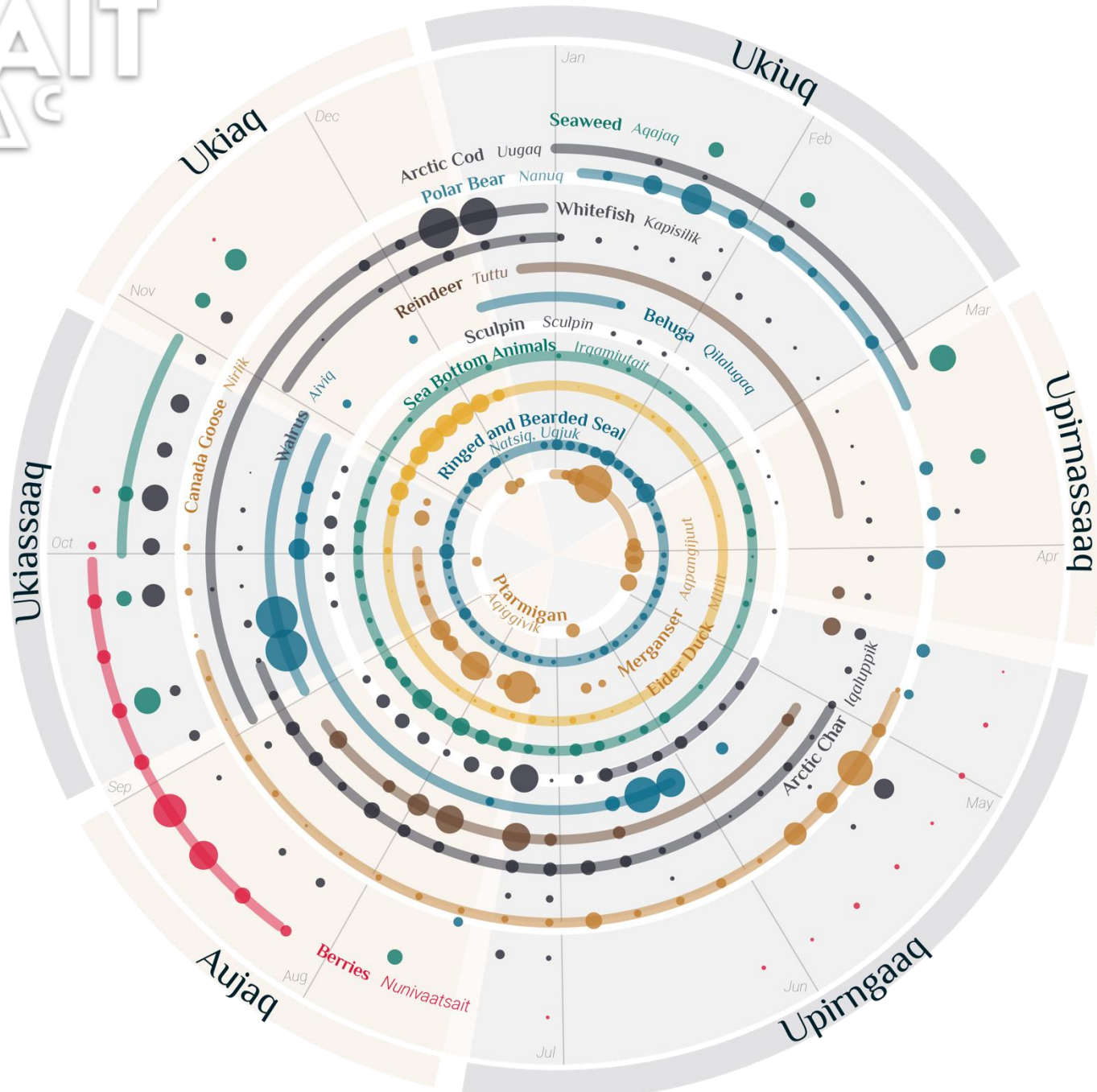






# QIKIQTAIT

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# QIKIQTAIT

Common Eider Duck		Mitiq
Canada Goose		Nirlik
Ptarmigan		Aqiggivik
Merganser		Aqpangijuut

Cloudberry		Arpik
Crowberry		Paunngaq
Blueberry		Tungujuq
Red Partridge Berry		Kimminaq

Reindeer		Tuttu
Polar Bear		Nanuq
Walrus		Aiviq
Ringed Seal		Natsiq
Beluga Whale		Qilalugaq

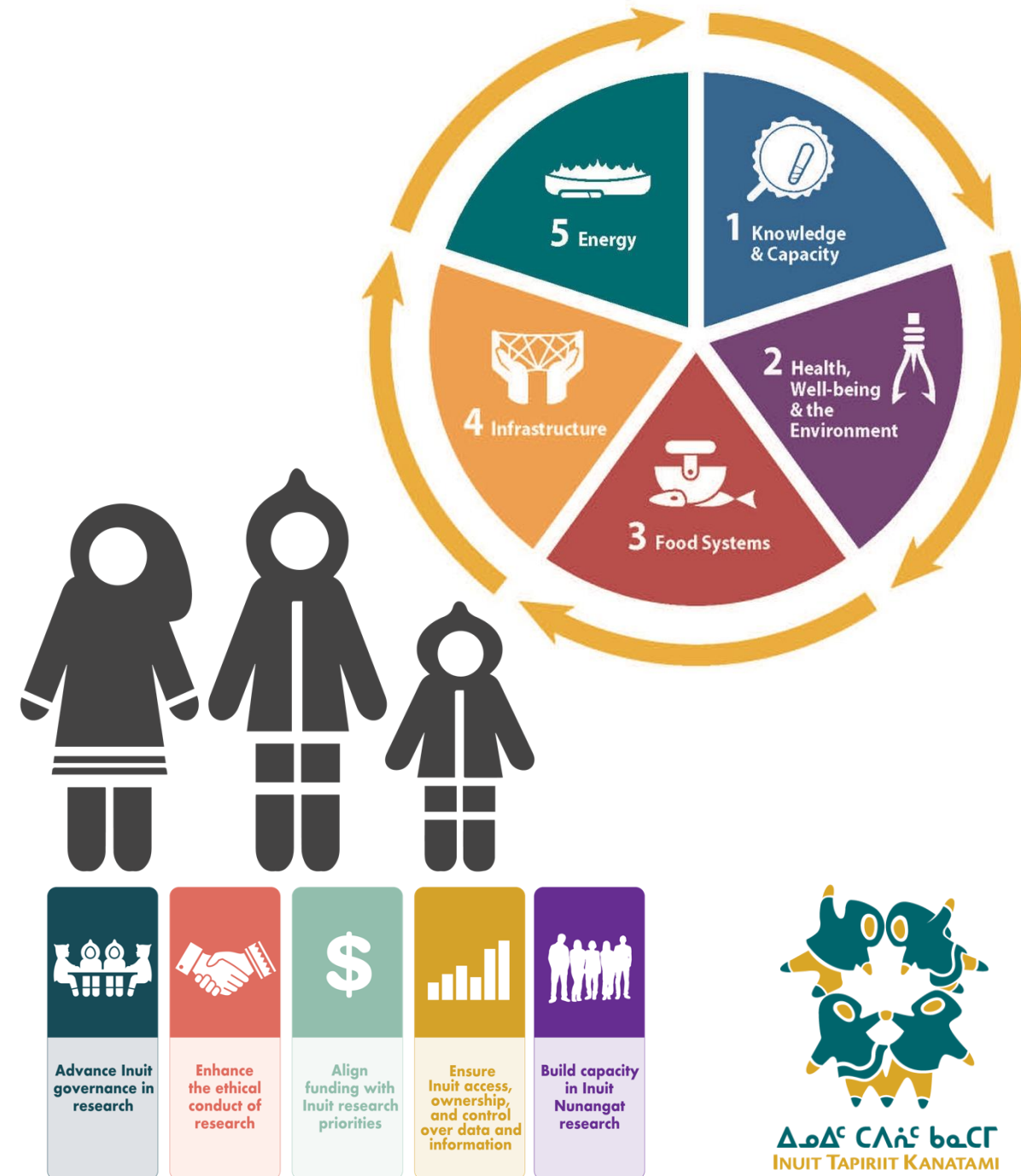
Arctic Char		Iqaluppik
Whitefish		Kapisilik
Arctic Cod		Uugaq
Sculpin		Kanajuq

Blue mussel		Uviluq
Clam		Kukiujaq
Scallop		Tallurunnaq
Sea Cucumber		Quksurjuk
Green Urchin		Mirquliq
Seaweed		Aqajaq



# Impact Measurement

- Direct Economic
- Data Quality for Stewardship
- Contribution to Food Security
- Data per Dollar Invested
- “Intangibles” e.g. Community Health & Well-Being
- Carbon Footprint





# IMPACT TRACKING: FOOD SECURITY



Harvested **Food Value**  
42 **\$267,107**

Nanuq - Polar Bear



Harvested **Food Value**  
25 **\$83,206**

Mitiq – Common Eider



Harvested **Food Value**  
1,568 **\$35,492**

Kapihilik/Whitefish



Harvested **Food Value**  
166 **\$4,483**



Tuktu - Reindeer

Harvested **Food Value**  
101 **\$59,000**

Utjuk - Bearded Seal



Harvested **Food Value**  
19 **\$22,661**

Kangutva - Snow Goose



Harvested **Food Value**  
74 **\$1,787**



Nirlik - Canada/Cackling Goose

Harvested **Food Value**  
354 **\$94,780**



Harvested **Food Value**  
1,216 **\$44,039**

Aiviq - Walrus



Harvested **Food Value**  
2 **\$5,842**

Iqaluppik - Arctic Char



Harvested **Food Value**  
8,641 **\$333,370**

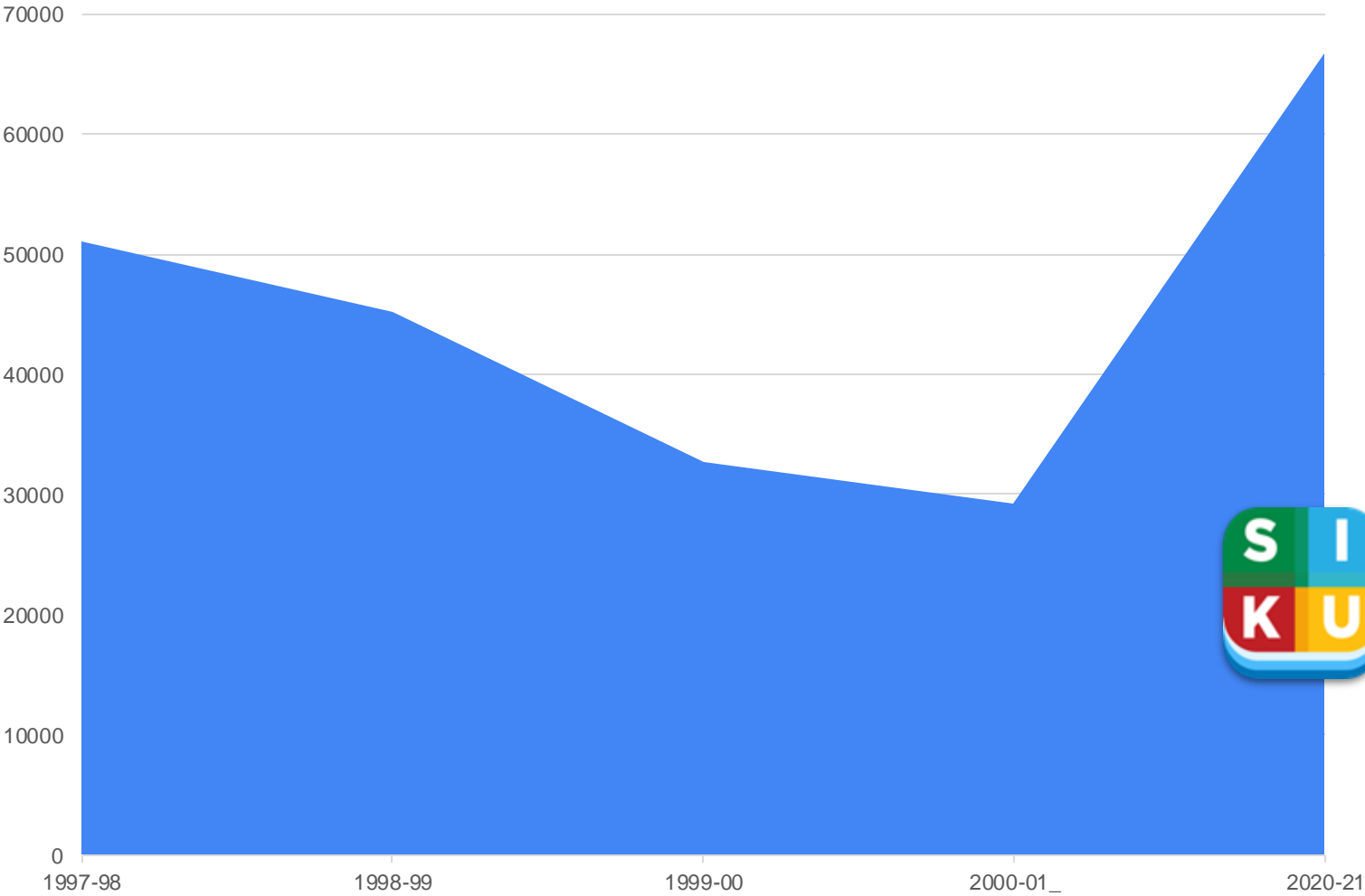
**Total Food Security Value: \$951,765**



Comparing past subsistence harvest statistics <sup>1</sup> in Sanikiluaq to SIKU harvest.						
	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2020-2021
Population	650	649	673	681	707	882
Edible Food Weight (EFW) (kg)	25,540	51,099	45,239	32,776	29,194	66,666
EFW/Person/year (kg)	39	63	67	48	41	76
EFW/person/day (g)	107	173	183	131	113	207

<sup>1</sup>Past data retrieved from Wenzel, G.W., J. Dolan, and C. Brown. (2016). Wild resources, harvest data and food security in Nunavut's Qikiqtaaluk region: a diachronic analysis. Arctic 69(2): 147-159. <https://journalhosting.ucalgary.ca/index.php/arctic/article/view/67603/53100>

Harvesting Edible Food Weight (kg) estimated per year





DATA PER  
DOLLAR ROI

**Investment**  
**\$222,586**

**5293 Trips**  
*Cost Per Trip*  
**\$42.05**

**Cost Per  
Kilometer**  
**\$0.59**

**4948 Posts**  
*Cost Per Post*  
**\$44.99**

**Cost Per  
Data Point**  
**\$21.73**



**Estimated**  
**\$677.32/day**  
for academic work

**Estimated**  
**\$3,165,794**  
for equivalent work by academics

***Invest in Inuit with SIKU***  
**14x**  
more data per dollar



## Other Benefits: Fisheries and Economic Development

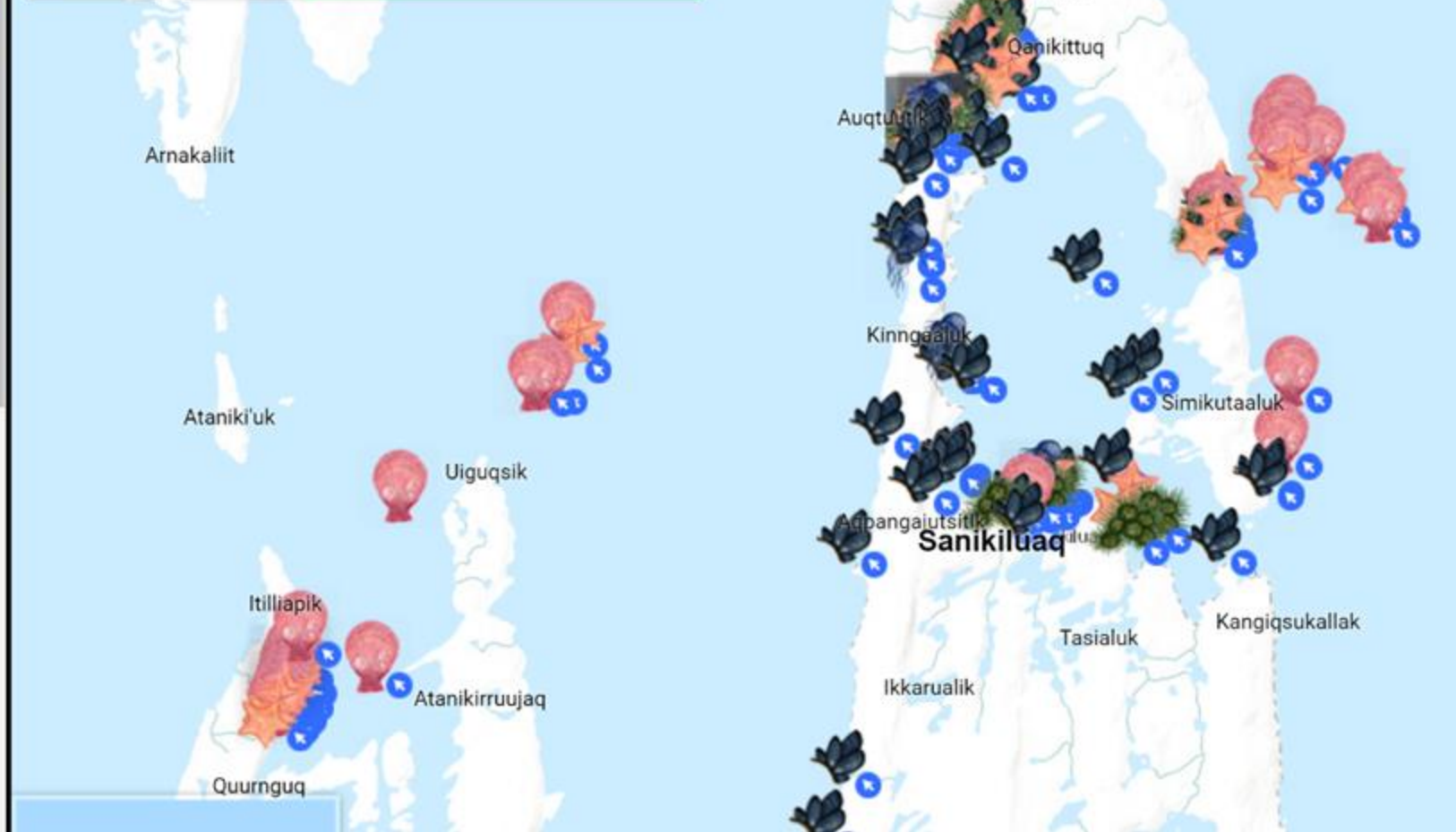
Tallurunnaq - Arctic Scallop Group Observation



Comments 0 Share Satellite

This post is part of a [Trip](#).  
July 22nd, 2021 at 20:19 NDT  
 Sarah Uppik observed a [Tallurunnaq - Arctic Scallop Group](#) near Sanikiluaq  
 Qikiqtaaluk

Sidebar Filter Last 16 Months - Custom Filter



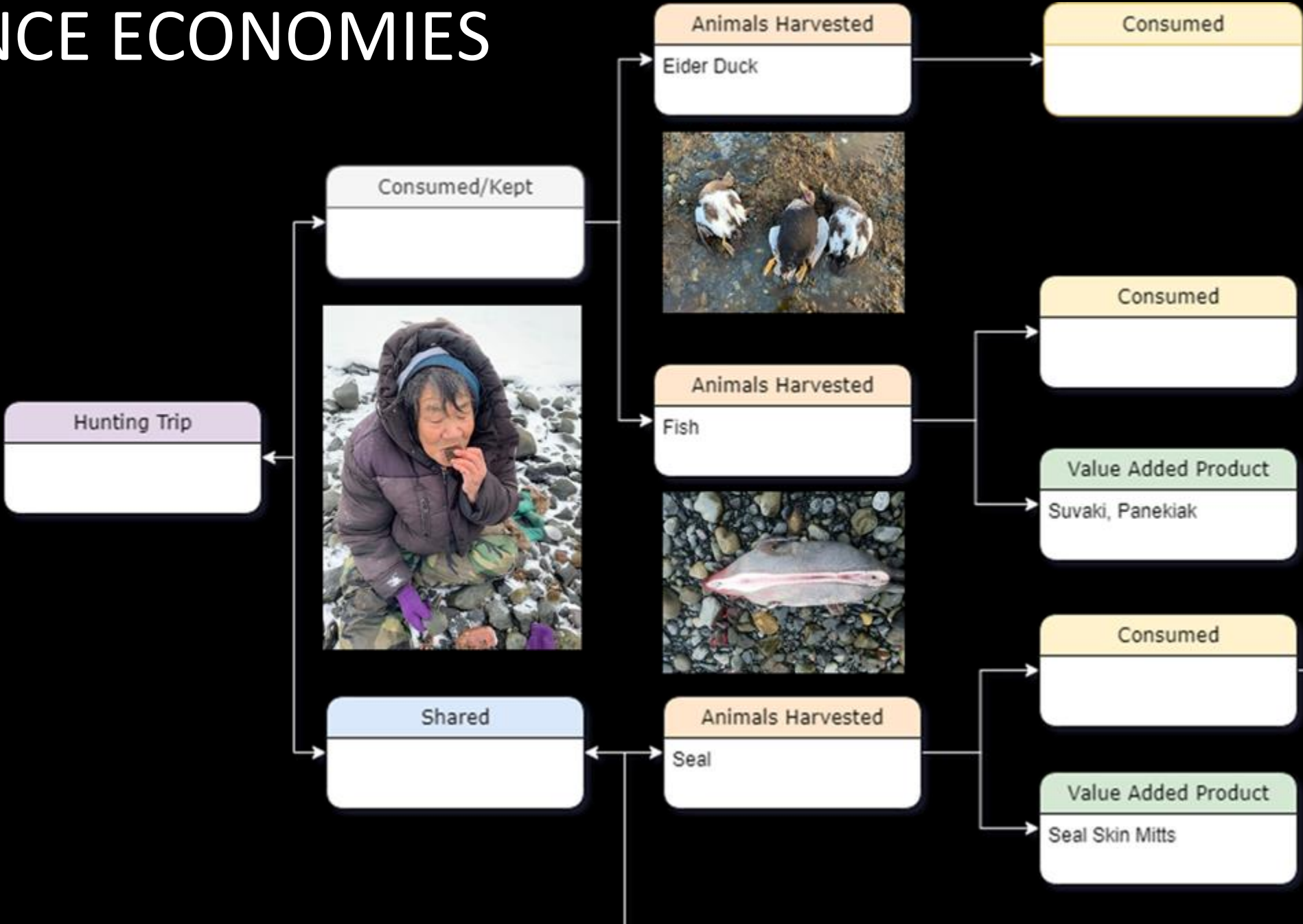




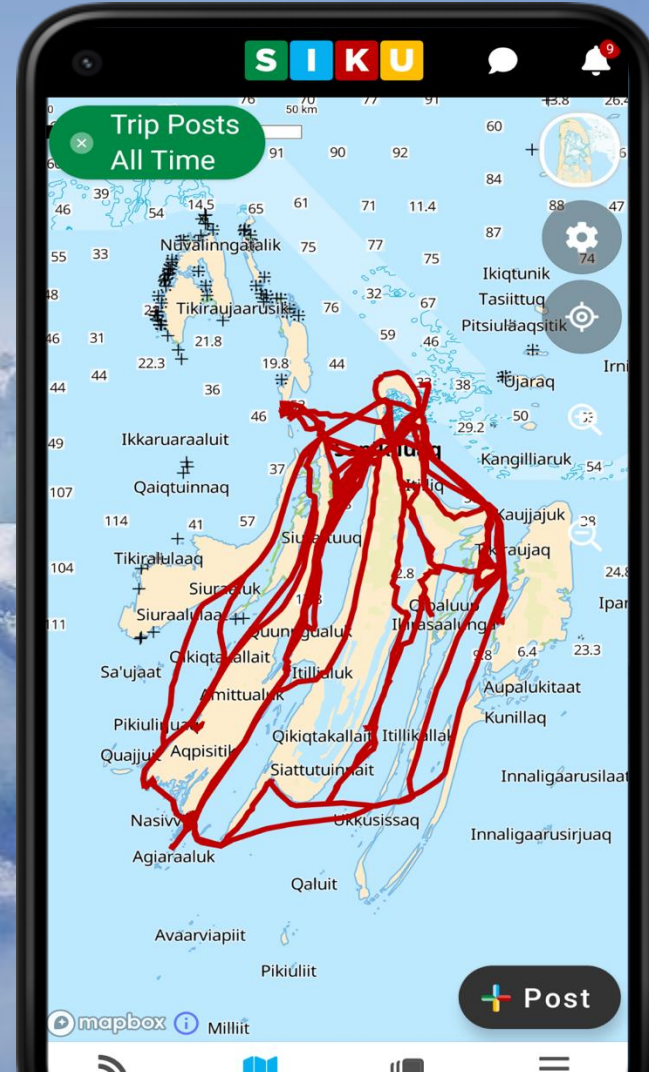
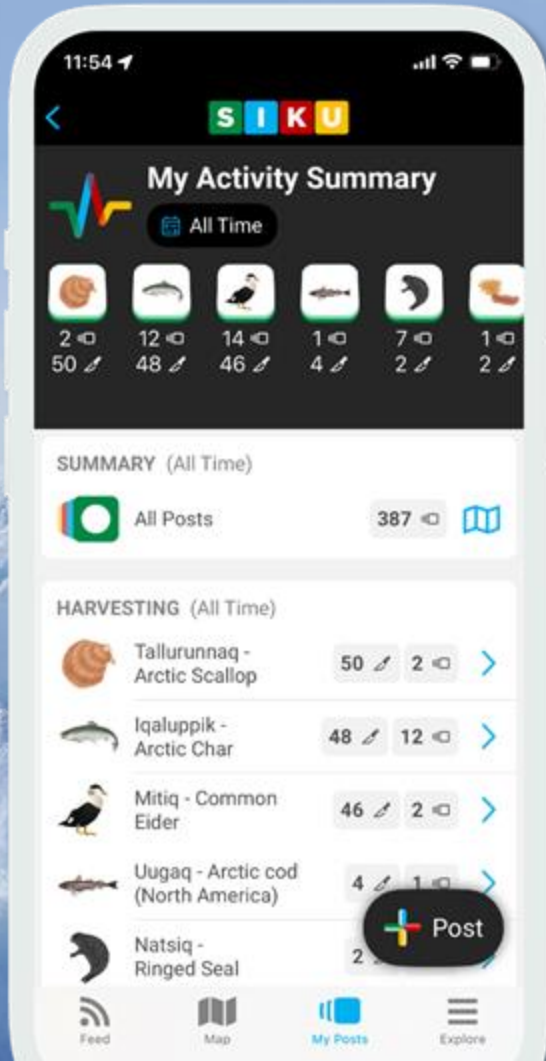
## Other Benefits: Materials and Derived Products



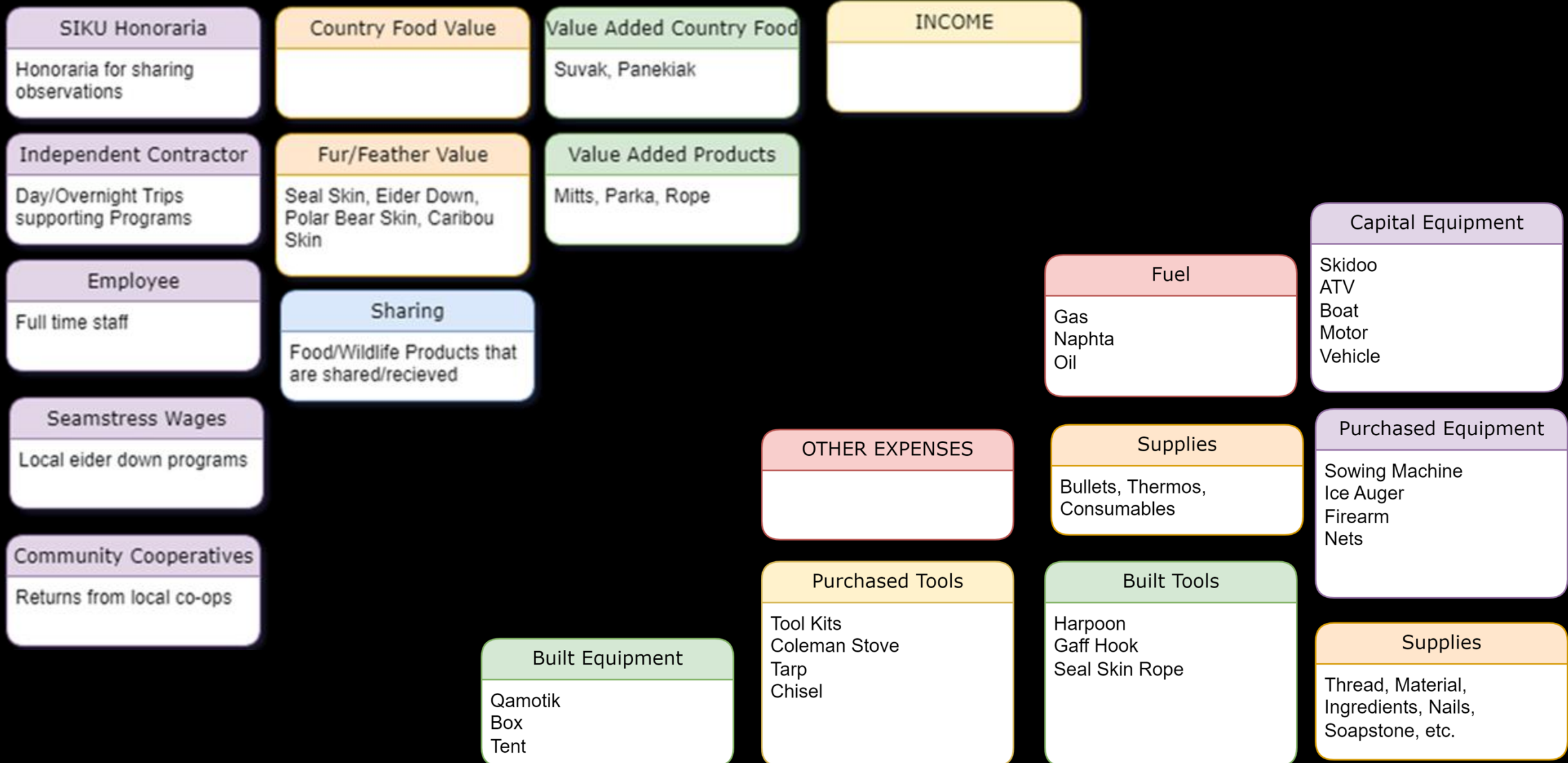
# SUBSISTENCE ECONOMIES



# Economy of the Hunter



# CONSERVATION ECONOMIES: Income & Expenses





# QIKIQTAIT

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Sentinel 2 < > 2017 Jul

