# Qaujisarvik - CEN's Research Station Network

Update on upcoming new research stations

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### **QAUJISARVIK** (Inuktitut for Laboratories)

#### 9 research stations

- 5 located in communities
- 4 in remote locations
- Only 2 remote stations in Nunavut (Qiqiktaaluk region)

### 1 small research ship (Louis-Edmond Hamelin)

Now managed by Reformar (UQAR)

### **INTERACT**

- 1 research station in the TA (Whapmagoostui-Kuujjuarapif Station)
- 9 in the VA

### Qaujisarvik is growing!

- 2 new research stations in Nunavut
  - Pond Inlet (Mittimatalik)
  - Qikiqtarjuaq
- 1 expansion/construction project in Umiujaq (Nunavik)



# Pond Inlet and Qikiqtarjuaq research stations

- CFI grant of 17.5M CAD
- A joint effort

CEN (Gilles Gauthier) and Takuvik (Marcel Babin)
UQAR and UQTR





### **Strong Partnership with QIA**

MOU signed with QIA

- to co-manage the station
- to transfer the ownership to a local organization after 15 years of operation

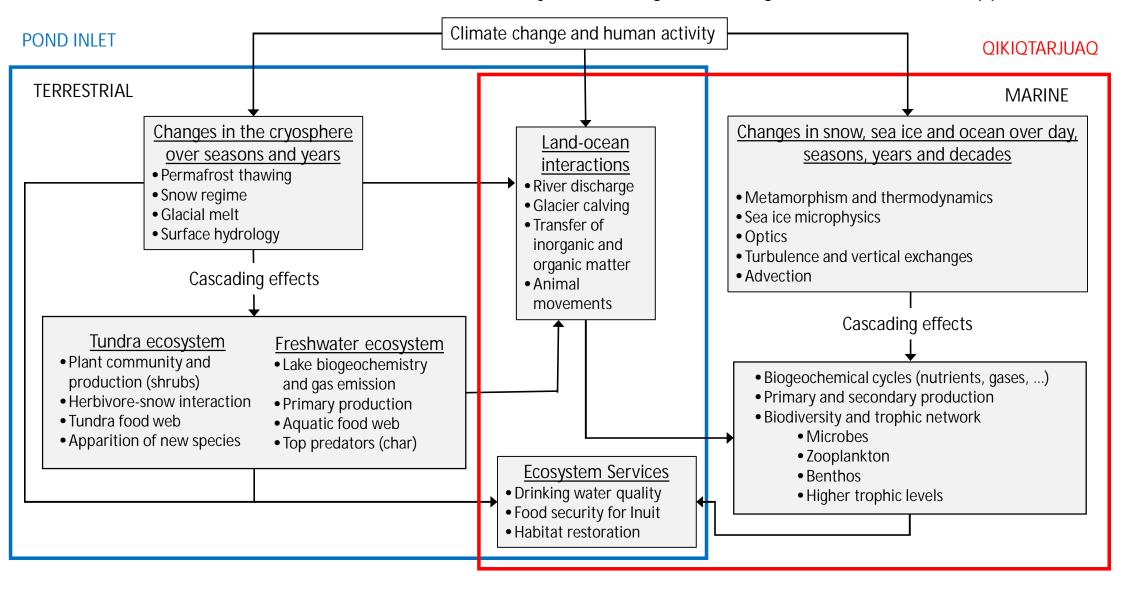


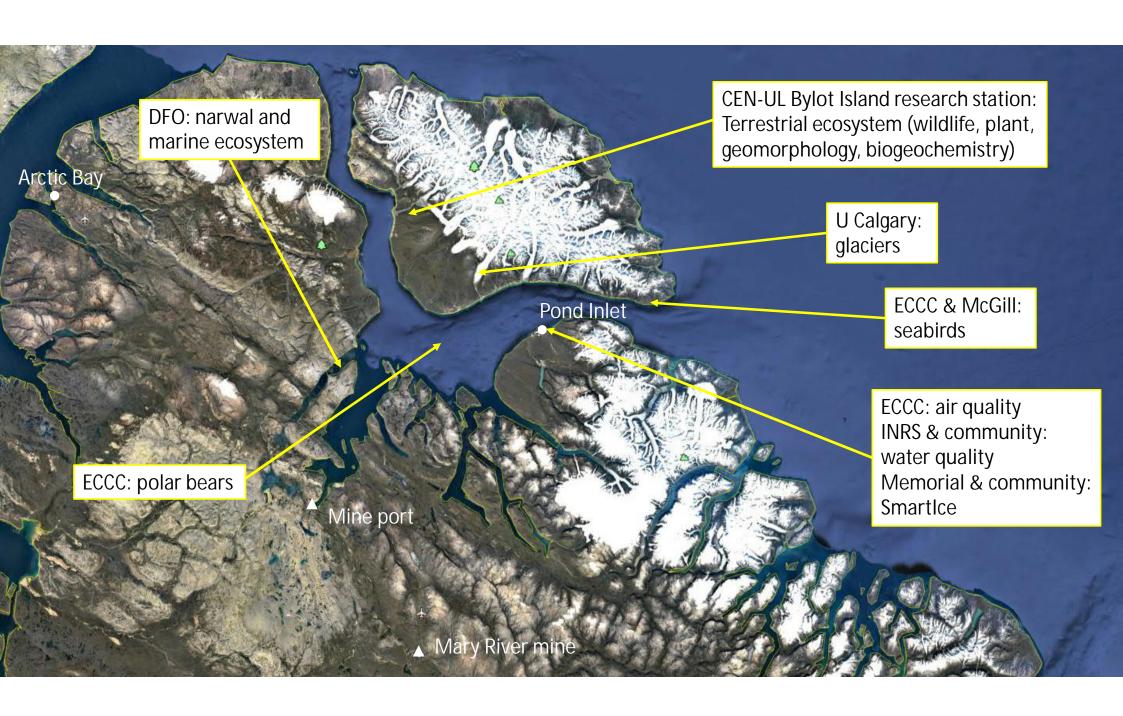


# Pond Inlet (terrestrial oriented research)

Qikiqtarjuaq (Marine oriented research)

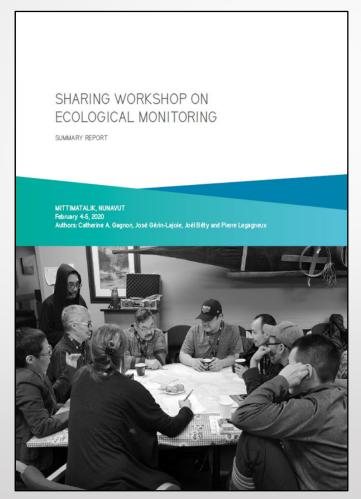
Future state of Arctic terrestrial and marine ecosystems in a global change context: a holistic approach





# Consultation and partnership with the community

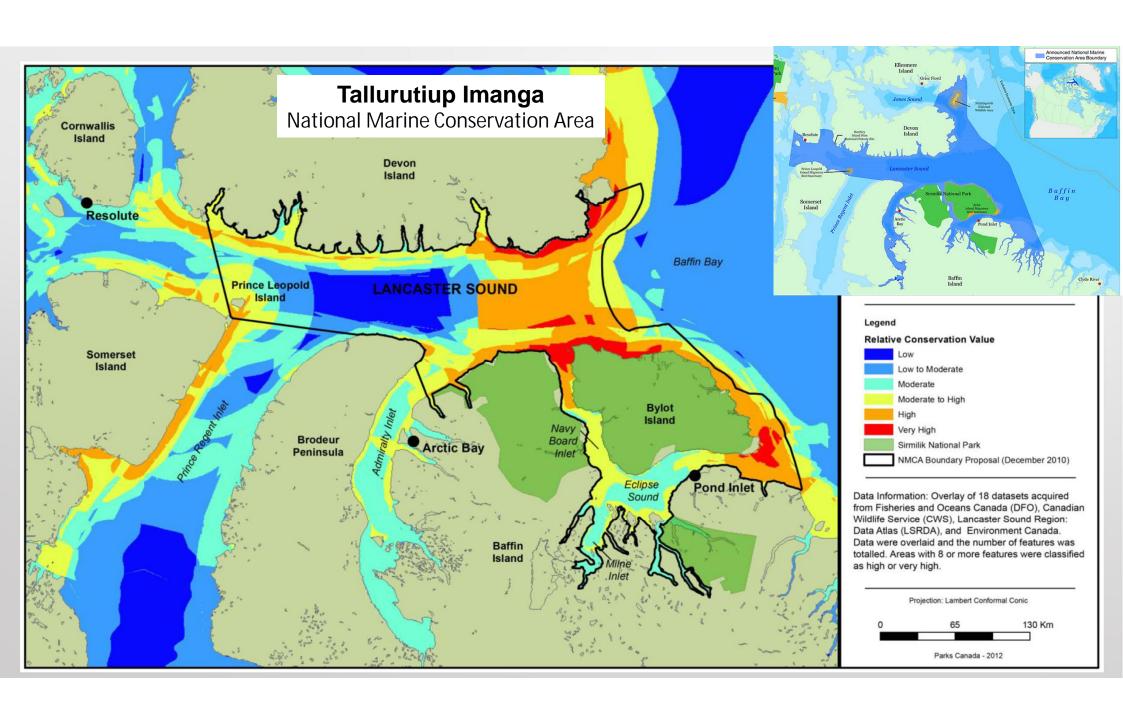






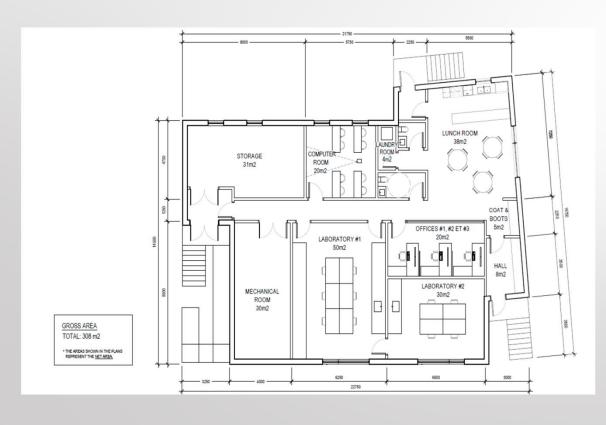
Qikiqtani Inuit Association

(Reports available at: http://www.cen.ulaval.ca/bylot/en/report.php)



### Pond Inlet research station

To be built on the campus of the QIA Inuit training and research center (2024)

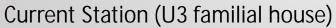






# Construction project of a new research station in Umiujaq







Construction project for the new station







### Why a new station?

- Region of high scientific interest to study rapidly changing environments
- Current station misadapted to research needs and occupancy
- Need a formation room to facilitate and increase exchanges with the community, co-produce knowledge and project comanagement
- Opportunity of funding from the SPN/INQ





# Social acceptability

Support from Makivik Corporation



 Support from the Land Holding Corporation Anniturvik of Umiujaq





Support from the Nunavik Village (NV)



## Objectives for the new station

- Increase the capacity to 12 users (currently at 6)
- Add a formation room and laboratory spaces
- Build on pile (minimize the impact on resources and natural environment)
- Include storage spaces (no containers)
- Use high quality materials (engineering wood products) and innovative construction concepts
- Carbo-neutrality
  - Solar energy
  - Bioenergy (biomasse/ heating with torrefied pellets)
  - Geothermal energy (vertical at an experimental scale)
- Favour local/regional economy





1 VUE COIN NORD-EST



3 VUE COIN SUD-OUEST

**VUE COIN NORD-OUEST** 

