

An aerial photograph of a vast, greyish-blue glacier flowing from a range of snow-dusted brown mountains in the background. The glacier's surface is marked by numerous longitudinal stripes of sediment. On the left, a dark, rocky mountain slope meets the ice. At the bottom left, the glacier terminates into a bright turquoise lake filled with icebergs. The sky is a clear, pale blue.

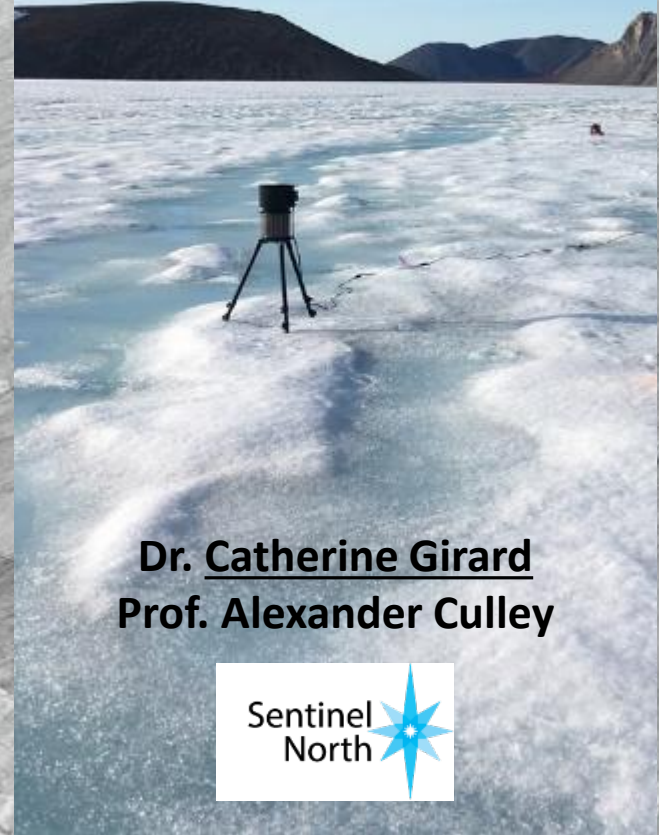
Arctic Microbial Systems

Warwick F. Vincent
CEN, Université Laval,
Québec, Canada

NAS Workshop,
Hanover, Germany
6-7 November 2019



**Thores Glacier 83°N
Airborne Virome Sampling**



**Dr. Catherine Girard
Prof. Alexander Culley**





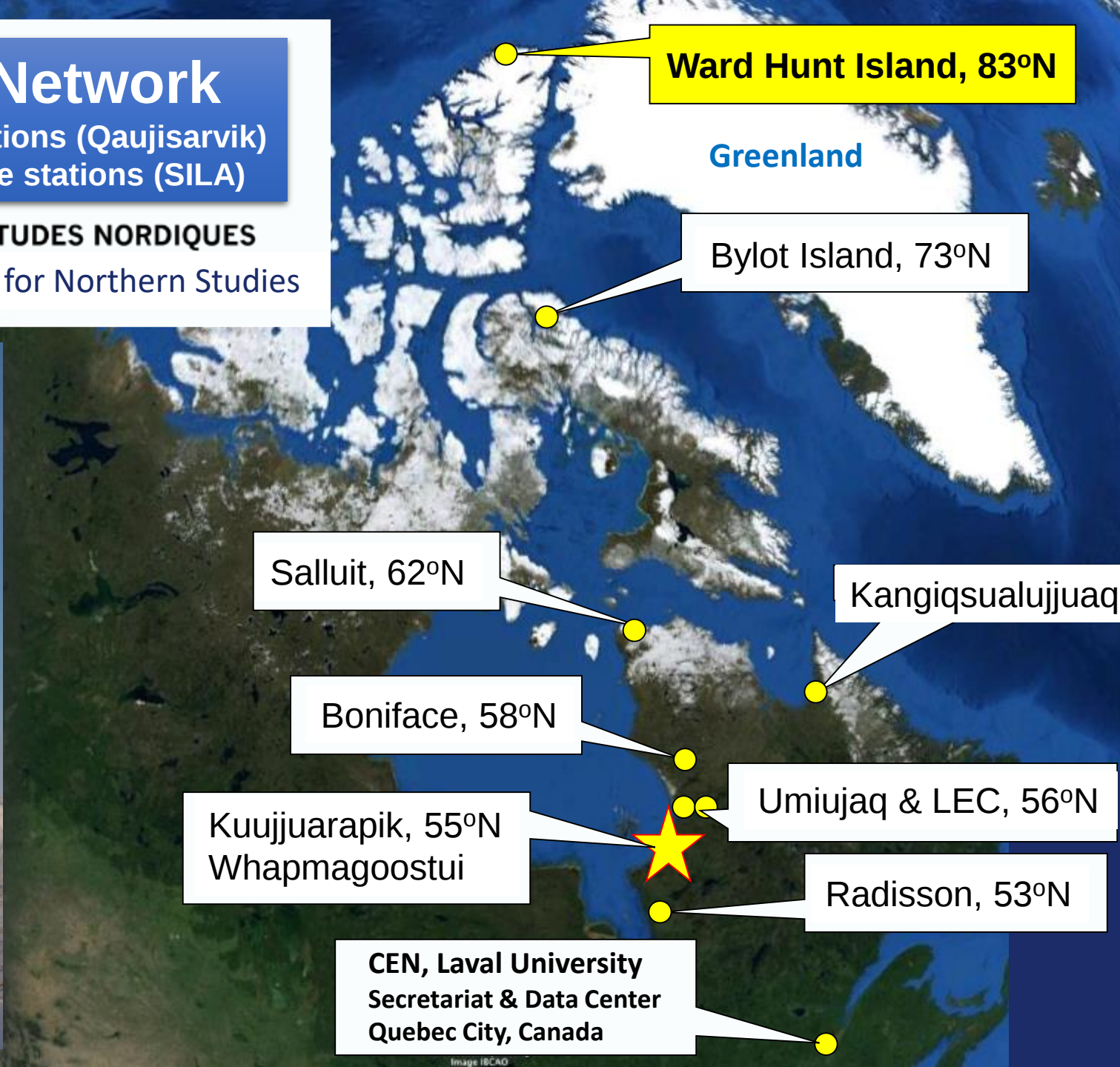
CEN Network

9 field stations (Qaujisarvik)

110 climate stations (SILA)

CENTRE D'ÉTUDES NORDIQUES

CEN Center for Northern Studies



30°
of
latitude

3500
km

INTER $\rightleftharpoons$ ACT <https://eu-interact.org>



ACCESSING THE
ARCTIC ▾



MANAGING
STATIONS ▾



HANDLING DATA



ARCTIC
AWARENESS



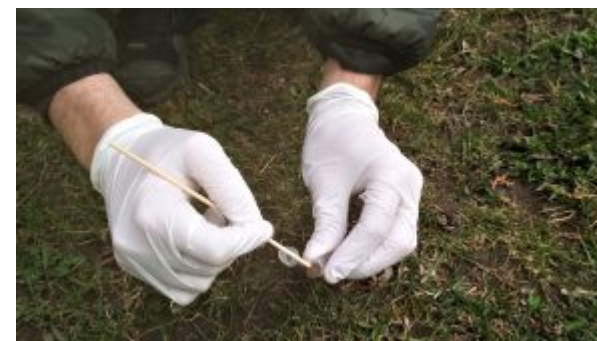
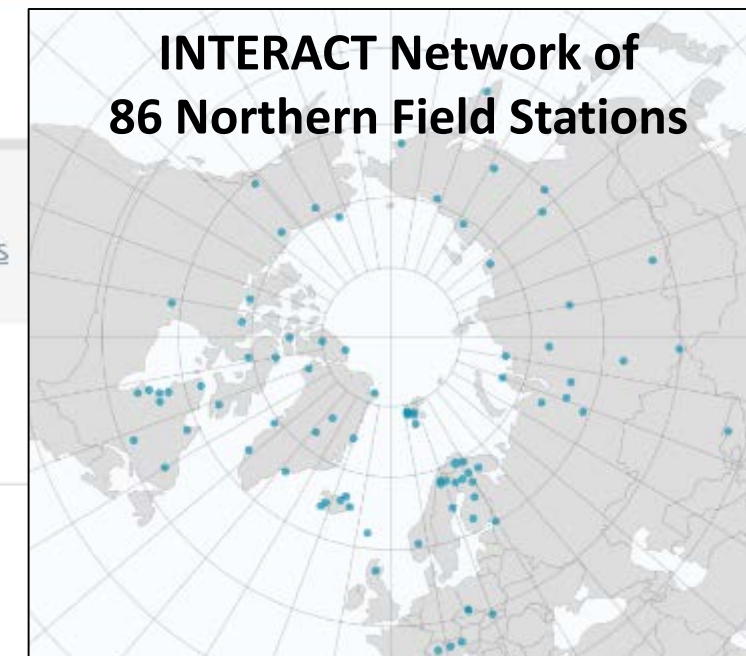
COPING WITH
CHANGE



MANAGING RISKS

MANAGING RISKS

Rapid Response to Environmental Emergency Alerts



Mosquito-borne diseases in the Arctic

Laboratory for Arbovirology
Institute of Parasitology
Czech Academy of Sciences



MOSAIC



5 icebreakers,
600 researchers

Multidisciplinary drifting Observatory for the Study of Arctic Climate

4:00 am
5. Nov 2019



Russia

Greenland



<https://follow.mosaic-expedition.org>



Terrestrial Multidisciplinary distributed Observatories
for the Study of Arctic Connections



... stay connected



10 Action Groups
16 countries

www.t-mosaic.com



T-MOSAIC

Arctic microbiomes Action Group

Northern Community Issues AG

