



SmartICE: A monitoring & information service for and by communities to help them adapt to changing ice conditions



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Founder/Director

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ARCTIC
INSPIRATION PRIZE




MOMENTUM
FOR CHANGE

Living with climate change

A photograph showing two individuals in winter gear on a vast, flat, icy landscape. One person is standing and holding a green rope, while the other is bent over a snowmobile, also holding the rope. A second snowmobile is visible in the background. The scene is set against a backdrop of snow-covered mountains under a grey sky.

Empowering communities to
adapt to unpredictable ice

SMAR ICE

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Sikumiumut

SMAR ICE

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Ikaarvik:
Barriers to Bridges

Directly involves community in all operations

SMART ICE



Integrates Indigenous knowledge about ice

SMART ICE

Technological Innovation

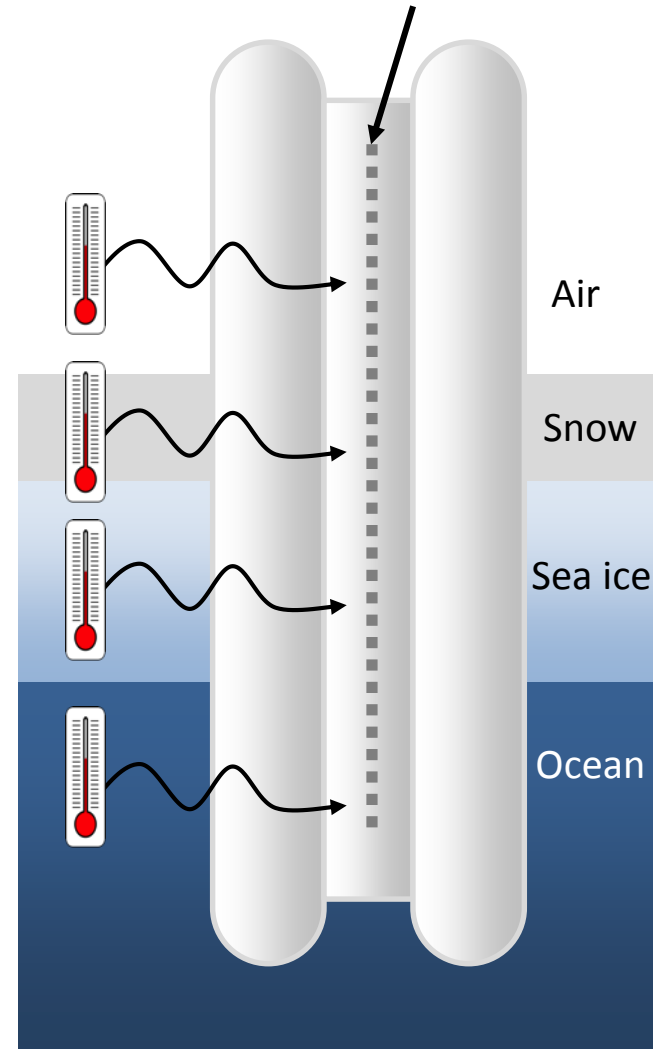


SmartBUOY

sea-ice thickness sensor

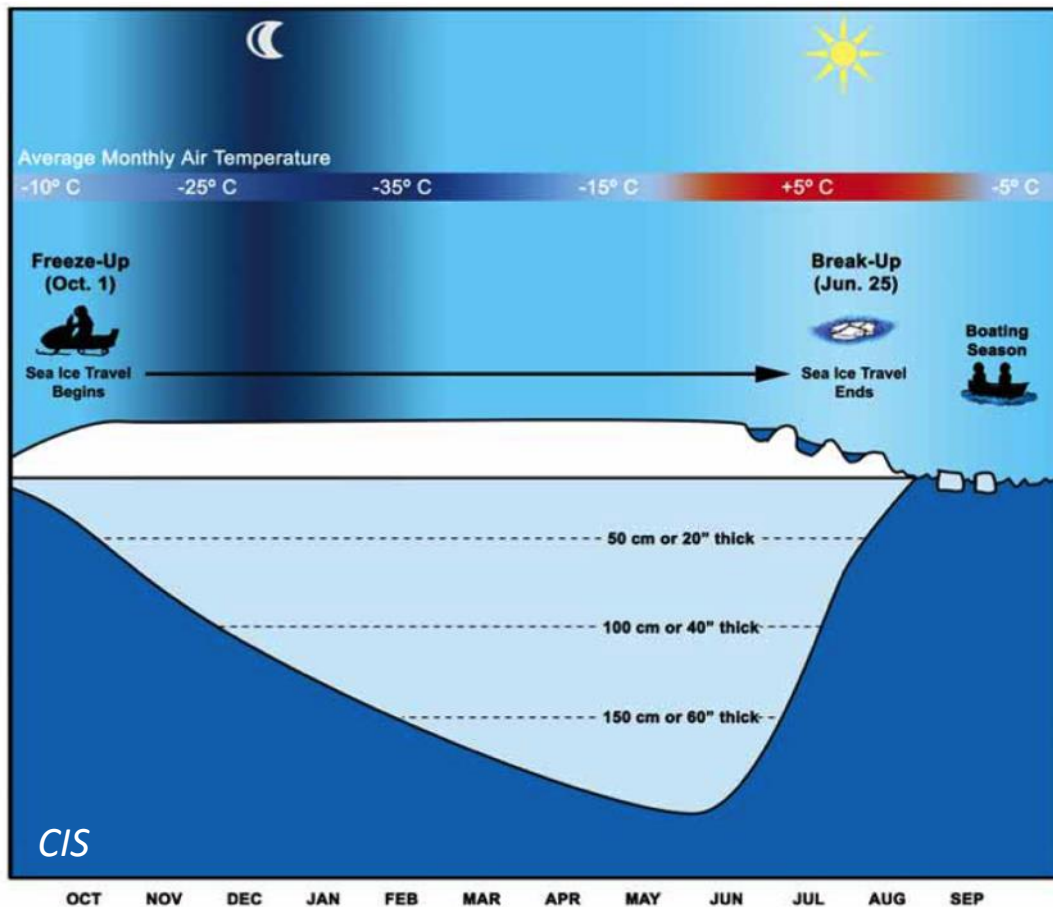


Thermistors

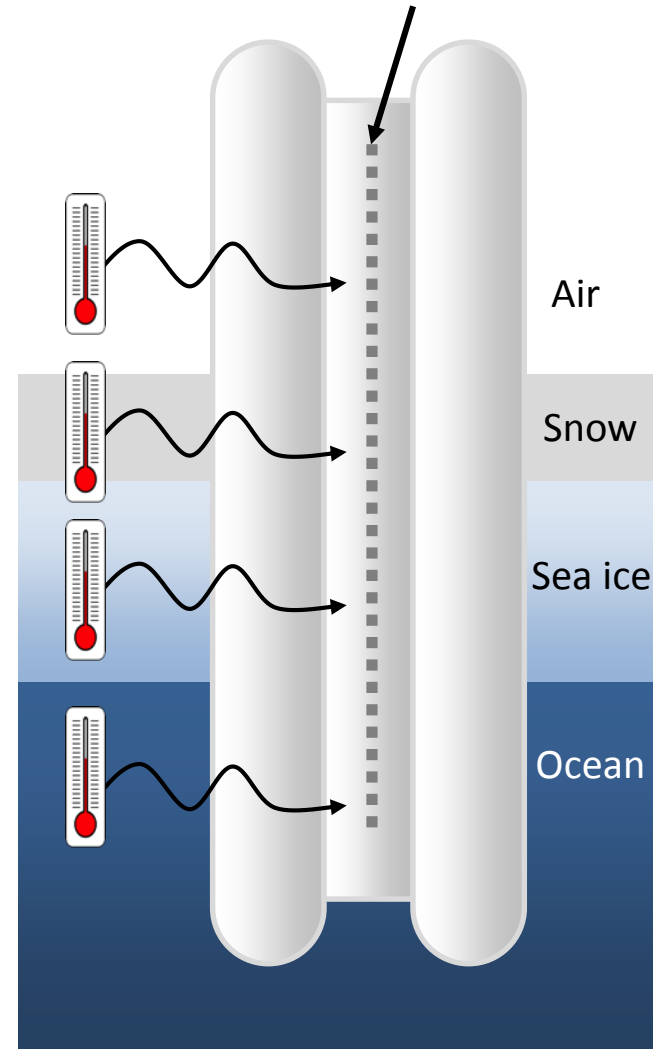


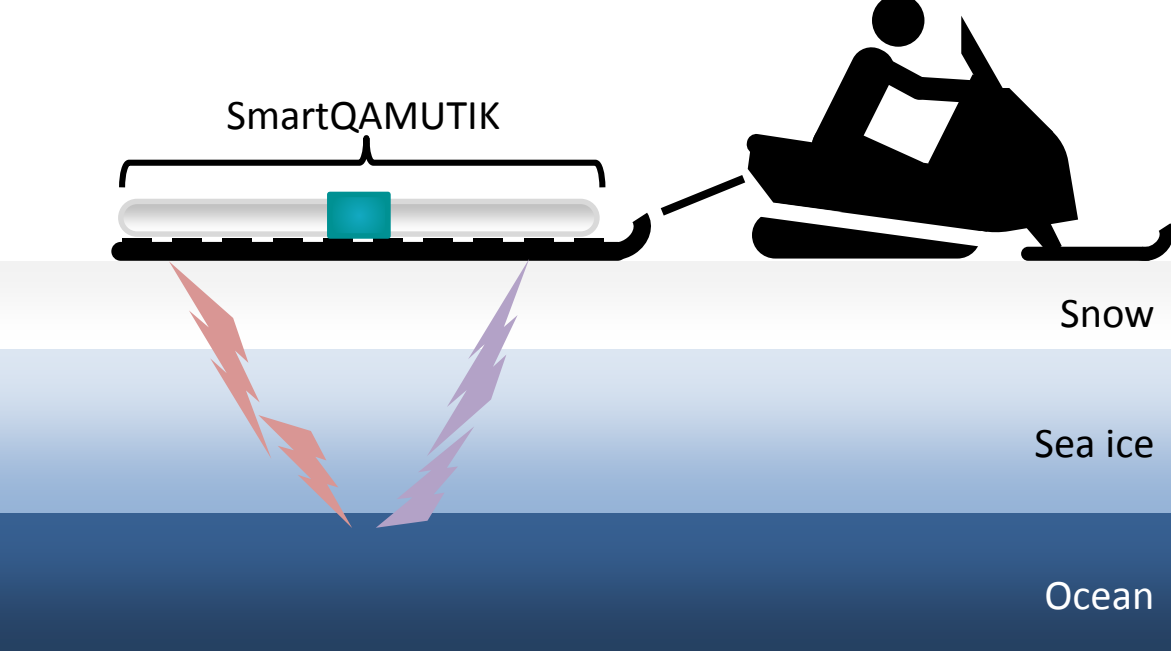
SmartBUOY

Stationary sea-ice thickness sensor



Thermistors

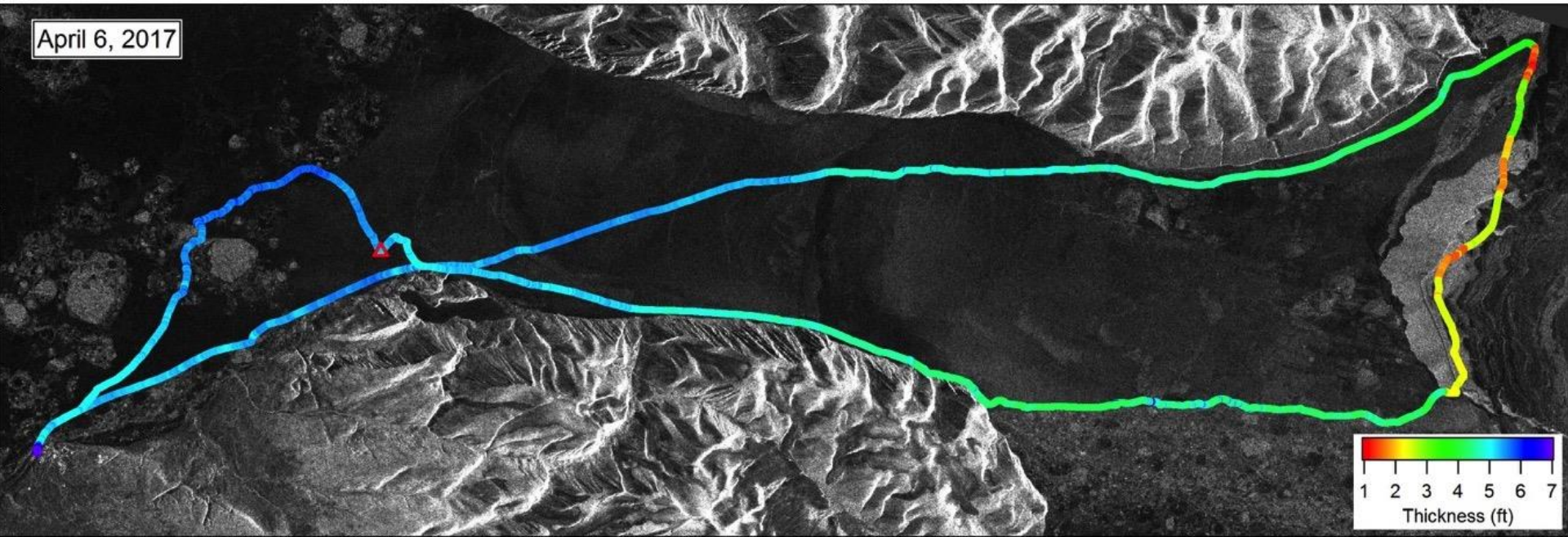




Communicating SmartICE information



April 6, 2017



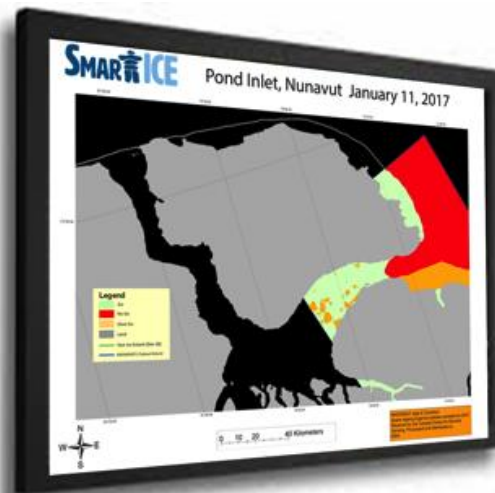
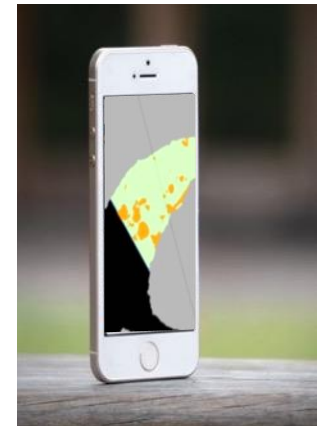


Empowering communities to
adapt to unpredictable ice



Manitoba Transportation

Communicating SmartICE information



From community partnership to social enterprise



Maximizing social impact
Creating positive community change

SMARTICE Communities

-  Pilot communities
-  Expansion communities
-  Pending communities
-  Requested communities

Would
NWT
communities
like to try
SmartICE?

INUUVIALUIT

NUNAVUT

NUNATSIAVUT

Newfoundland
& Labrador
Terre-Neuve-et-Labrador

NUNAVIK

Quebec
Québec

CANADA

Alaska
United States
États-Unis

Yukon

Northern Territories
Nord-Ouest

CURRENT SMARTICE POSITIONS

Nunavut Operations Lead (Qikiqtaaluk North)
Nunavut Operations Lead (Qikiqtaaluk South)
Nunavut Operations Lead (Kivalliq)
Community Capacity and Support
Director, Business and Strategic Development
Technology Production Centre Manager
Technology Production Centre Support



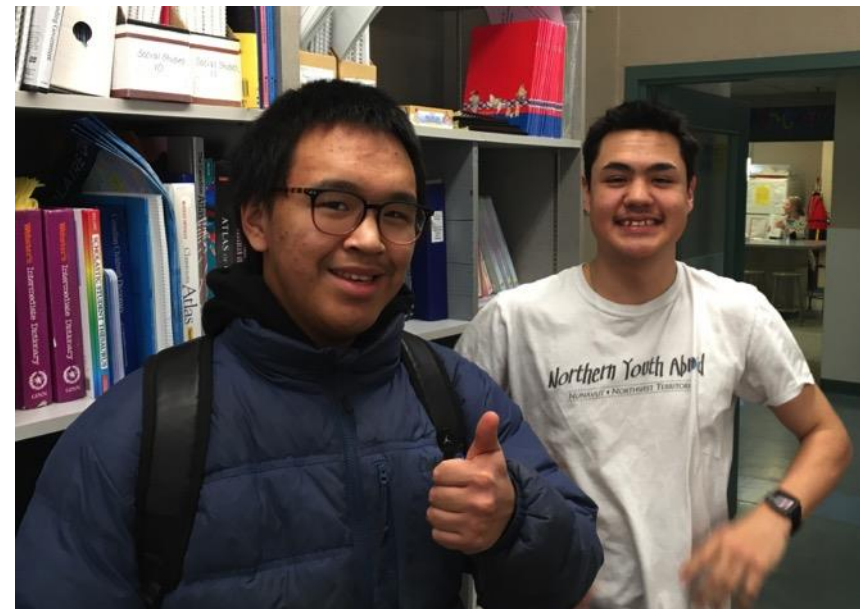
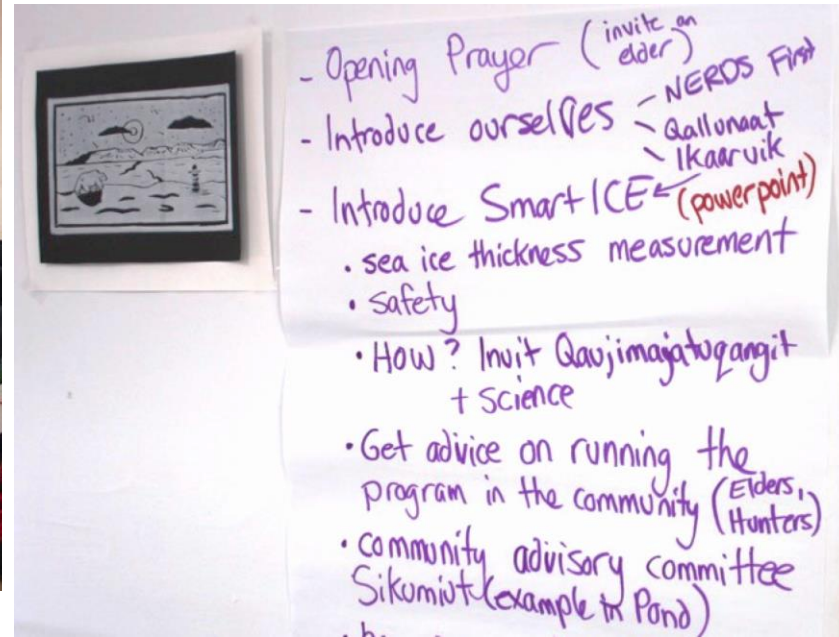
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BAFFIN FISHERIES



SmartICE Community Operators



SmartICE Youth Workshops



SmartICE Ice Terminology Workshops

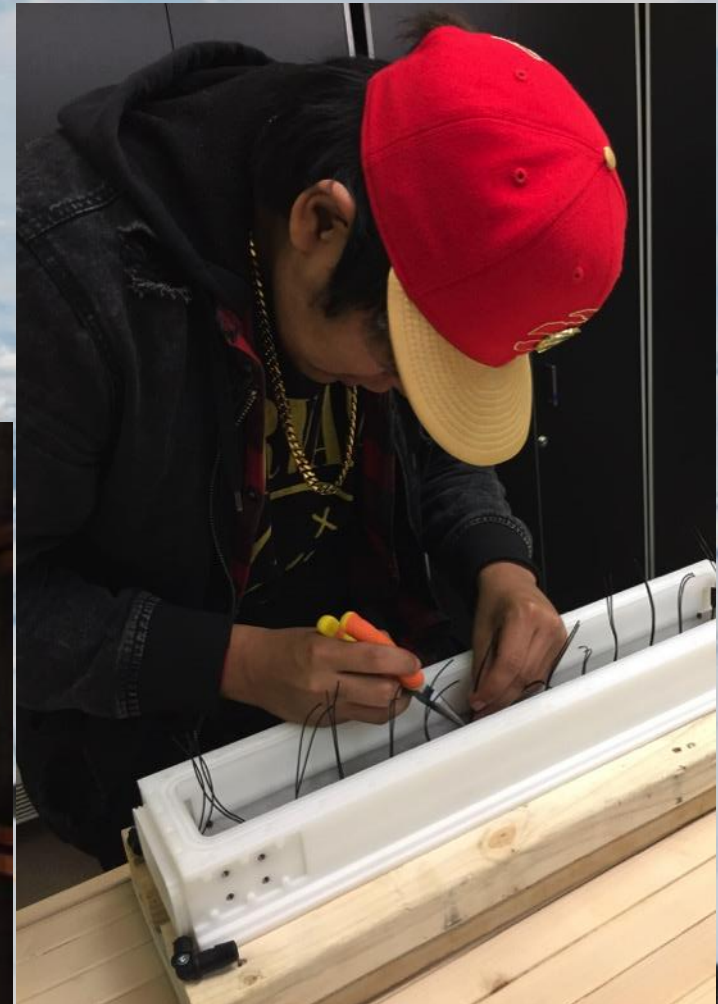


SMAR^{ICE}

Social Innovation

SMAR^{ICE}
Technology
Production Centre

From prototypes to products





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