

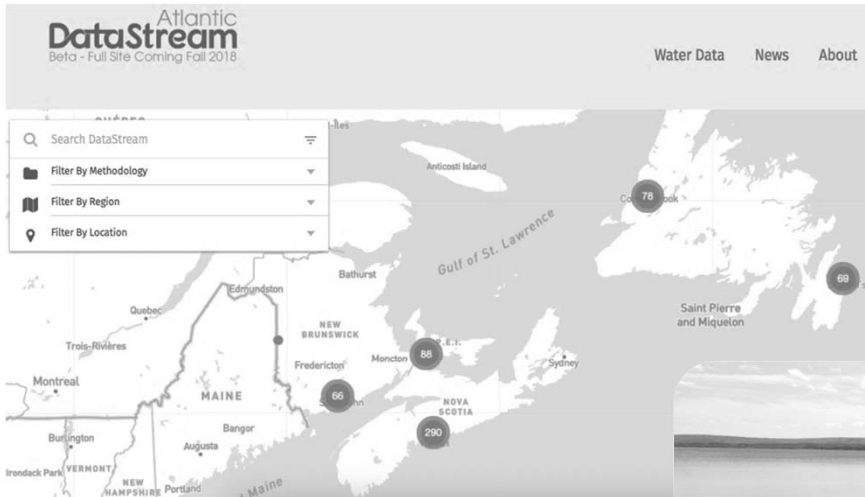
How **Atlantic DataStream** will change the water monitoring game in Atlantic Canada

Emma Wattie
Real-Time Monitoring Workshop
November 7th 2018



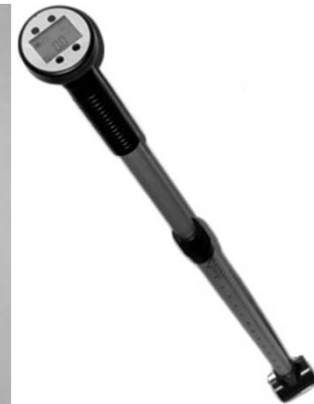


- Regionally Focused
- ~40 Community-Partners
 - Provide Networking opportunities
- Support to CBWM Organizations
 - Equipment
 - Data Management Solutions
- Work with National Partners



Equipment Bank

- Free resource
- Equipment calibrated before loan
- >50 loans throughout 2018
- >20 users of Equipment Bank



CURA H₂O

Community-Based Water Monitoring and Management

Research project (2011-2016)

Standardization

- Training
- Equipment
- Regional water quality dataset



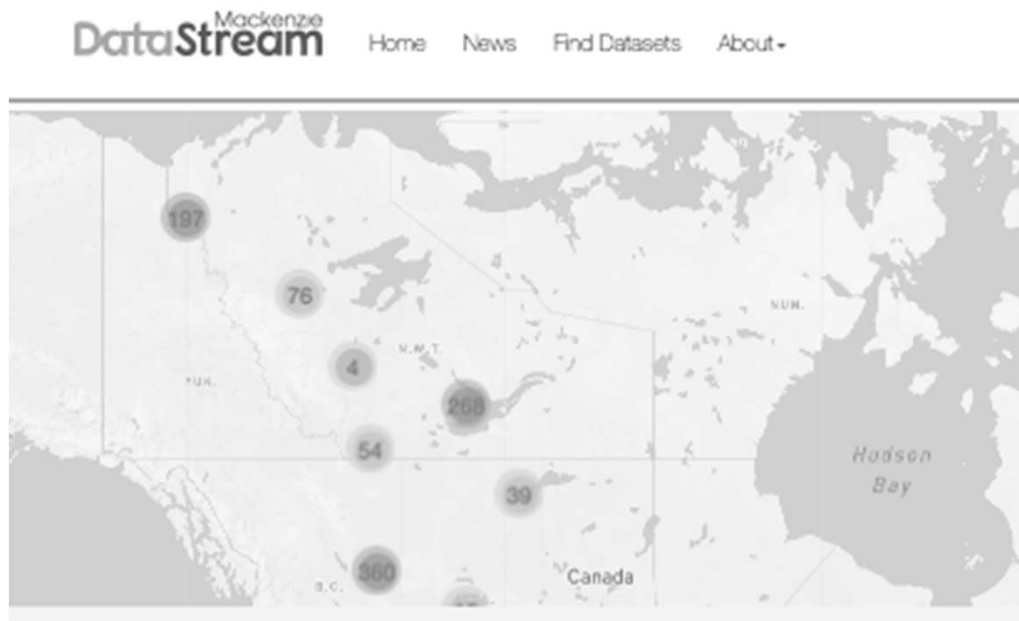
Social Sciences and Humanities
Research Council of Canada

CURA H₂O ended... now what?

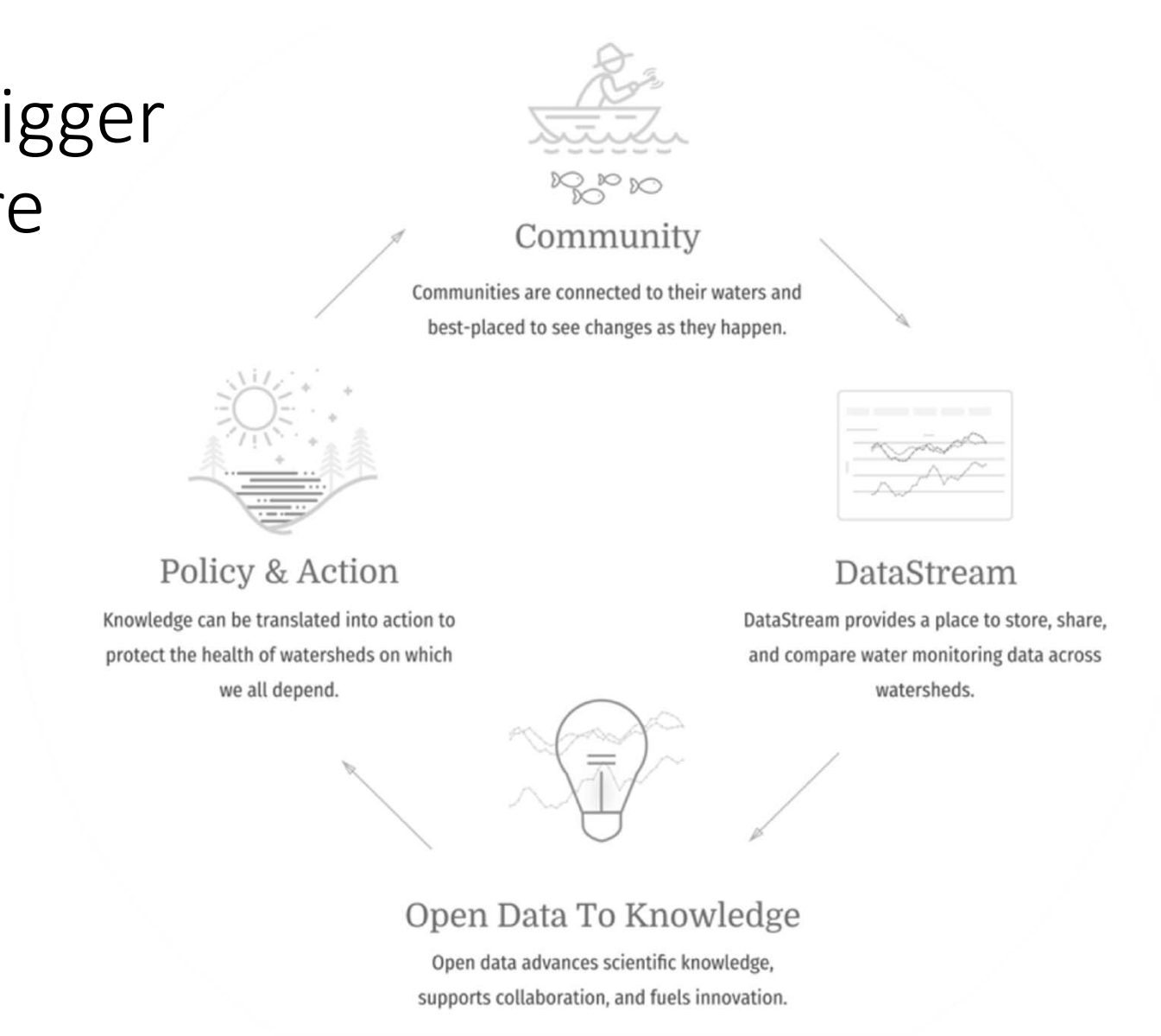
- Started to tackle standardization
- Large dataset
- Network of community-based water monitors



Moncton, New Brunswick - January 2017

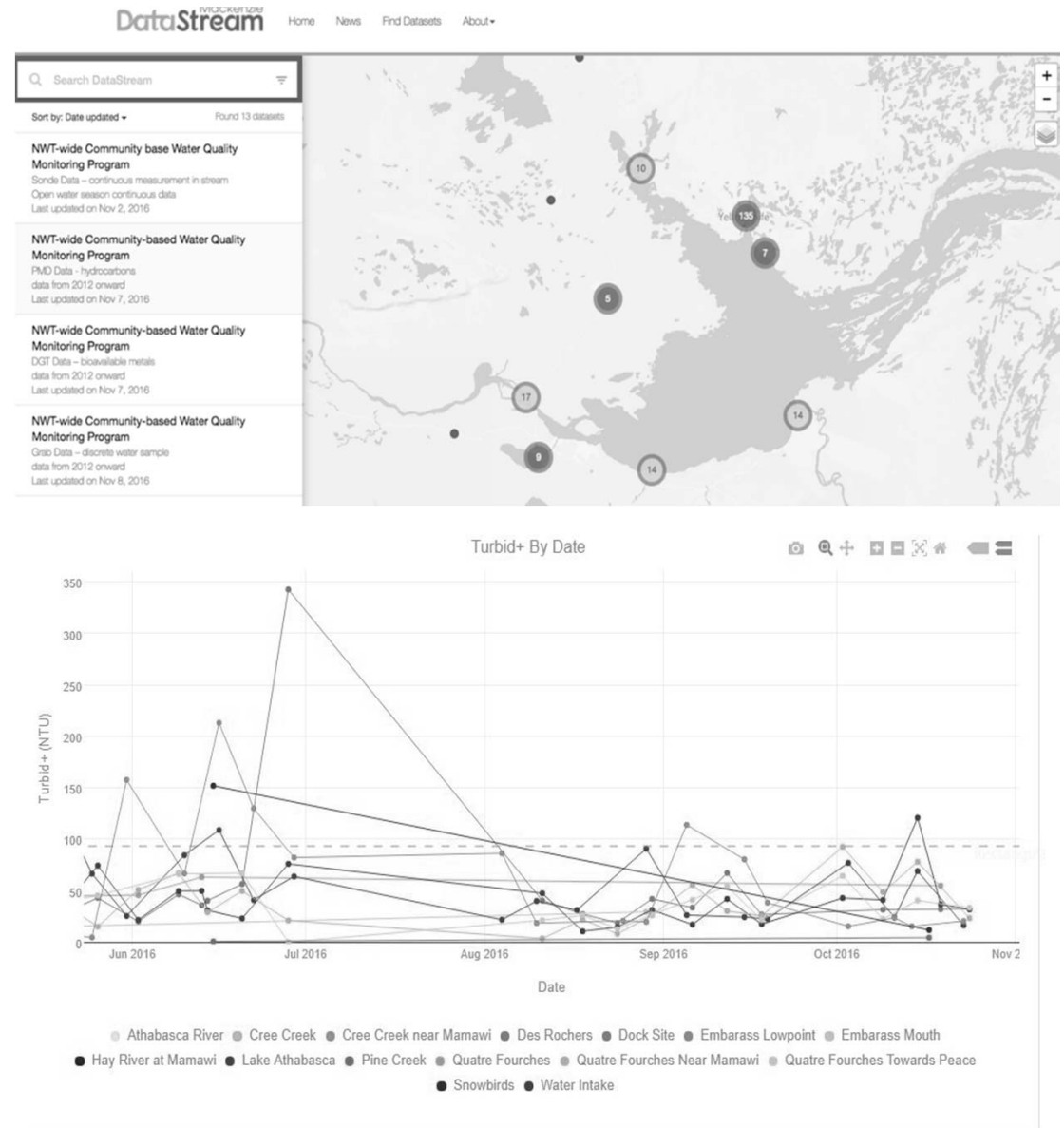


The Bigger Picture



About DataStream

- **Open access** platform for sharing water quality data
- **Independent** home for data
- **User-friendly** design for public audiences and decision-makers
- Data **Visualization** tools
- Focus on **solid data policies** and practices



Mackenzie DataStream timeline

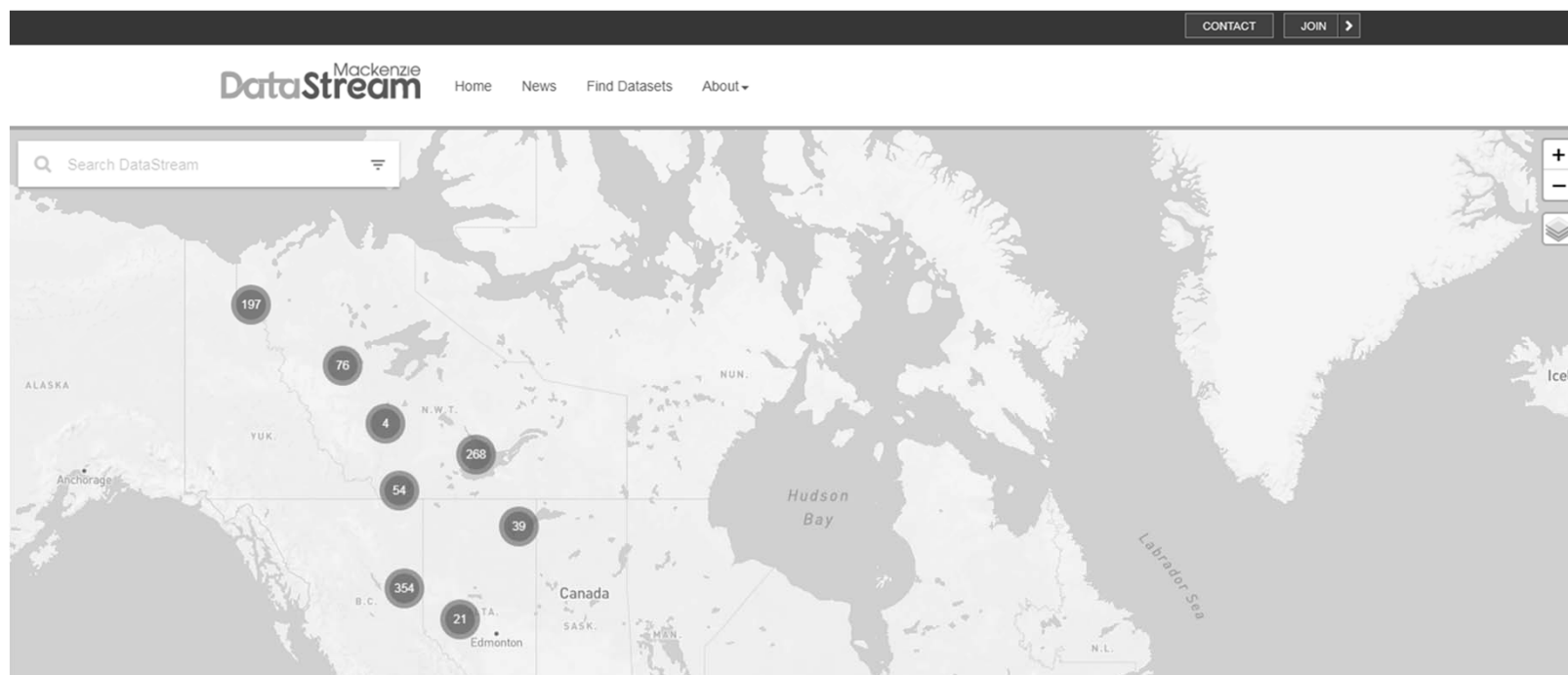


Pilot

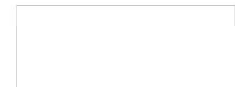
- 2014: Development begins. Involves considerable support from GNWT and communities and is built by Tesera
- 2015: Launch of pilot in NWT

Official launch:

- 2015-2016: Refined system based on feedback
- 2016: NWT launch in Fort Smith
- 2016: Launch in Ottawa on Parliament Hill



What would work in Atlantic Canada?

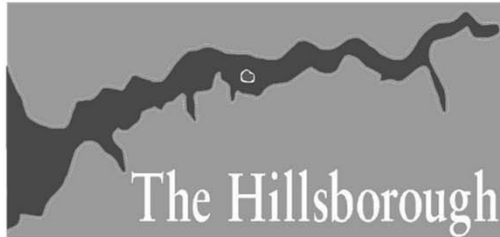


We Listened!

Atlantic DataStream



Atlantic
Water
Network



The Hillsborough

A Canadian Heritage River
Hillsborough River Association



WALTER & DUNCAN
GORDON FOUNDATION



WWF

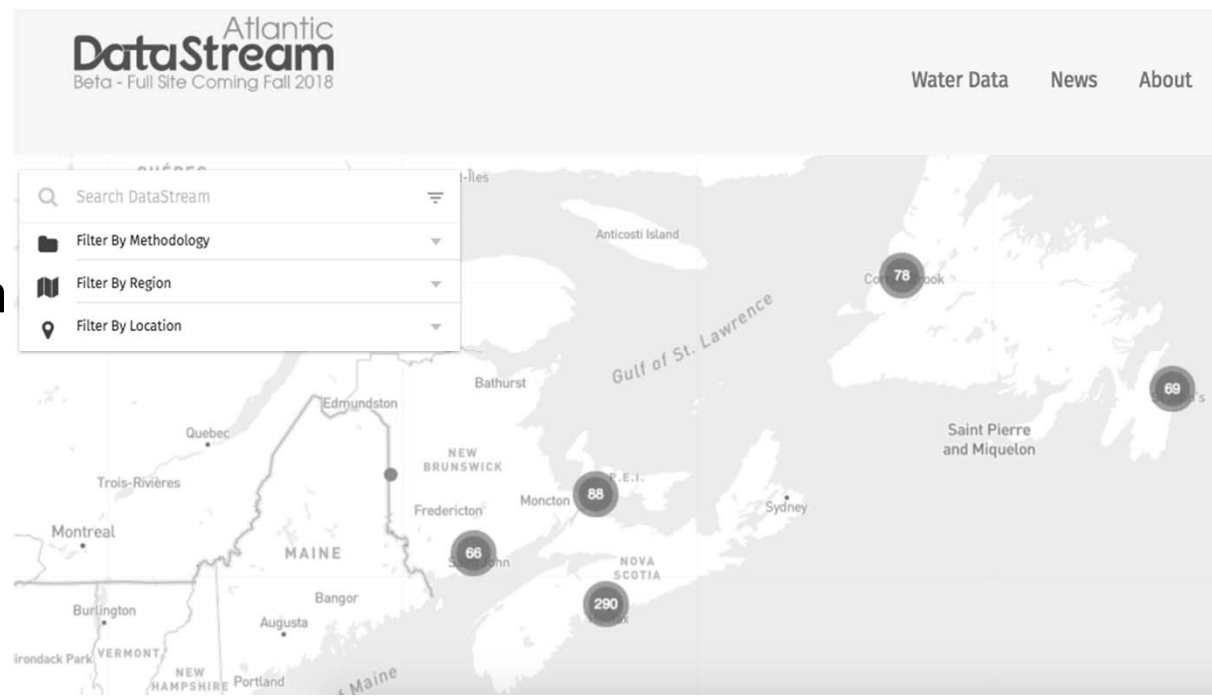


Environment and
Climate Change Canada

Environnement et
Changement climatique Canada

Atlantic DataStream

- Beta version Spring 2018
- Atlantic Ecosystem Initiative funded project (2018-2020)
- AWN community partners' data online!
 - 22 groups online
 - + Environment and Climate Change Canada
- Successful proposals to bring more datasets online



DataStream KickOff June 2018



Since the Kick Off



Onboarding new groups



Training & Equipment Loans



What this means for Atlantic Canada

- Standardized regional dataset
- Open Access – Easy to Share
- Inform decision makers
 - WWF Freshwater Reports
- Getting out of our silos



Next Steps



- Grow in Data Contributors
 - New Brunswick Environmental Trust Fund
 - Provincial data sets
- Expand other resources
 - Equipment Bank Expansion
 - Wet-Pro Updates
- Other data management resources
 - Summer training
 - Webinars/Videos
 - Report Cards

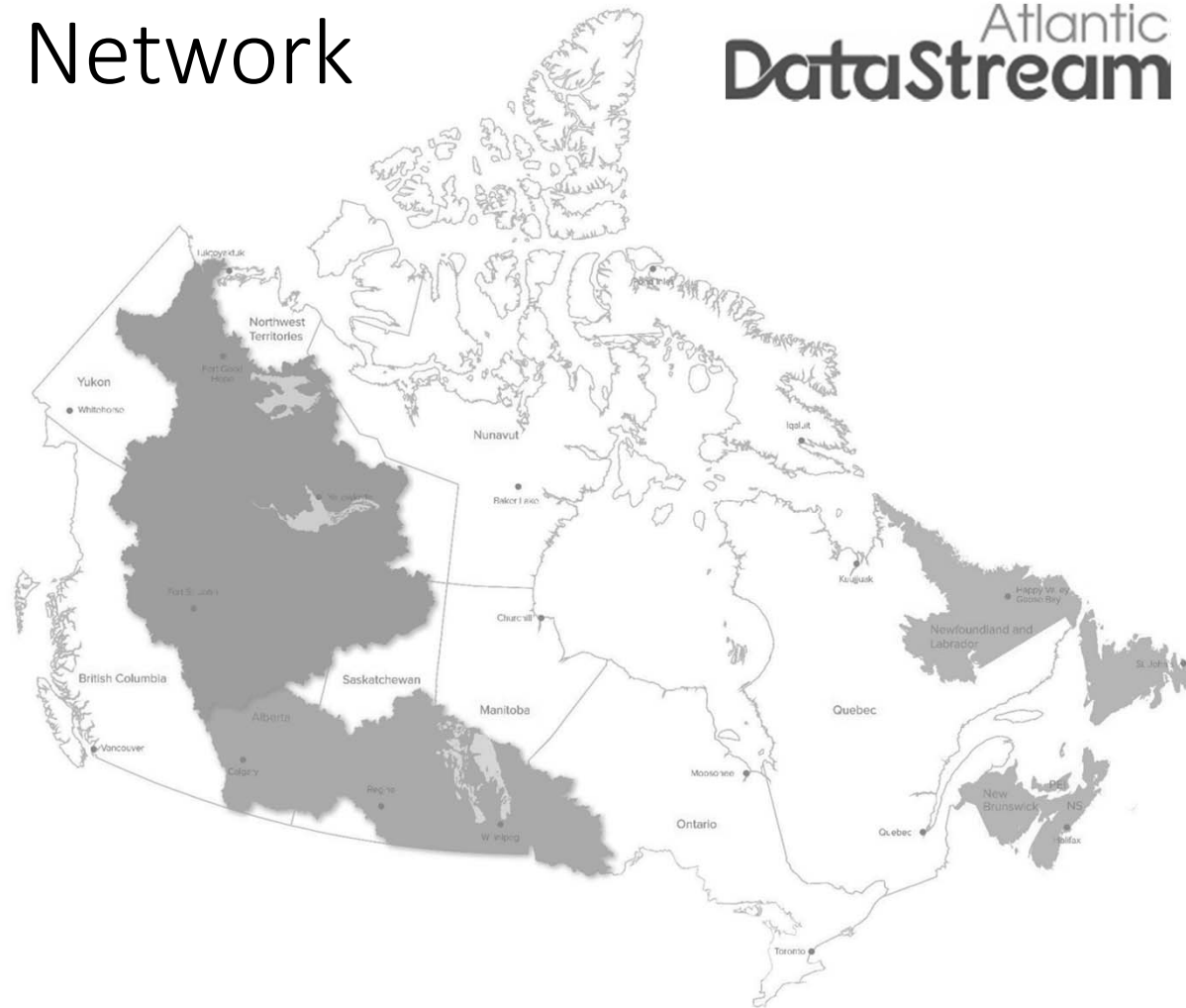


Growing Network

Atlantic
DataStream



Atlantic
Water
Network



Demo

www.atlanticdatastream.ca

Atlantic
DataStream



Atlantic
Water
Network



Thank you!



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