

Connecting Canada's Northern Research and Education Community

David Smith, ORION

Barb Carra, Cybera

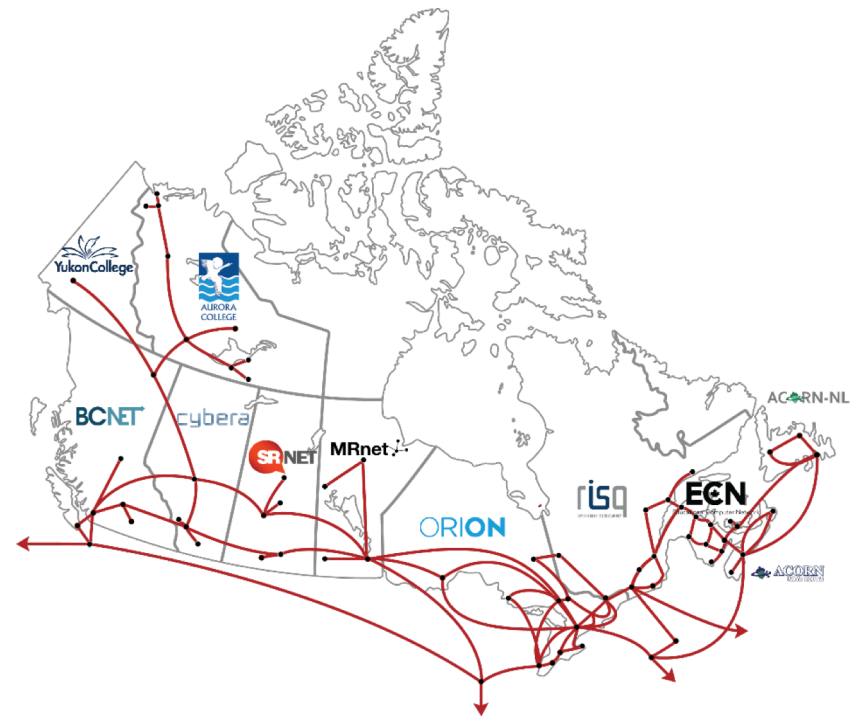
Katie Tuck, Yukon College

Mark Wolff, CANARIE

What is Canada's NREN?

The National Research and Education Network (**NREN**) is an **essential collective of infrastructure, tools and people** that bolsters Canadian leadership in research, education, and innovation.

CANARIE and twelve provincial and territorial partners form Canada's NREN. **We connect Canada's researchers, educators, and innovators** to each other and to data, technology and colleagues around the world.



Lack of Connectivity Limits Economic Potential

- Northern, rural, remote areas at danger of being left behind



18

18% of Canadian households - mainly Northern, rural and remote areas - don't have broadband access



10

A 10-per-cent increase in households with broadband could accelerate economic growth up to 1.5 per cent



30%

Approximately 30% of Northern Ontario communities don't have access to 5 Mbps service as of 2016



45%

Rural communities pay approximately 45% more for commercial internet access

<https://www.orion.on.ca/NorthernOntarioConnectivity-ORION-Report-2018>

Northern Connectivity: Recommendations

ORION has identified four recommendations for improving access to connectivity in Northern Ontario.



Boost network capacity and resilience



Partner with service providers



Secure funding with partners



Plan for shared technology services

Questions?

An abstract graphic consisting of several thin, dark blue curved lines and small circular dots. The lines sweep across the right side of the slide, with dots placed at various points along their paths. Some dots are isolated, while others are clustered together, particularly in the lower right quadrant.