

Canada's National Research and Education Network (NREN)

UPDATED FEBRUARY 2020

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 its 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.

Partners in Canada's NREN

ACORN-NL

 ACORN
NOVA SCOTIA

 COLLÈGE
AURORA
COLLEGE

BCNET

canarie



cybera

ECN

NB PEI Educational Computer Network

MRnet
Manitoba Research Network

ORION

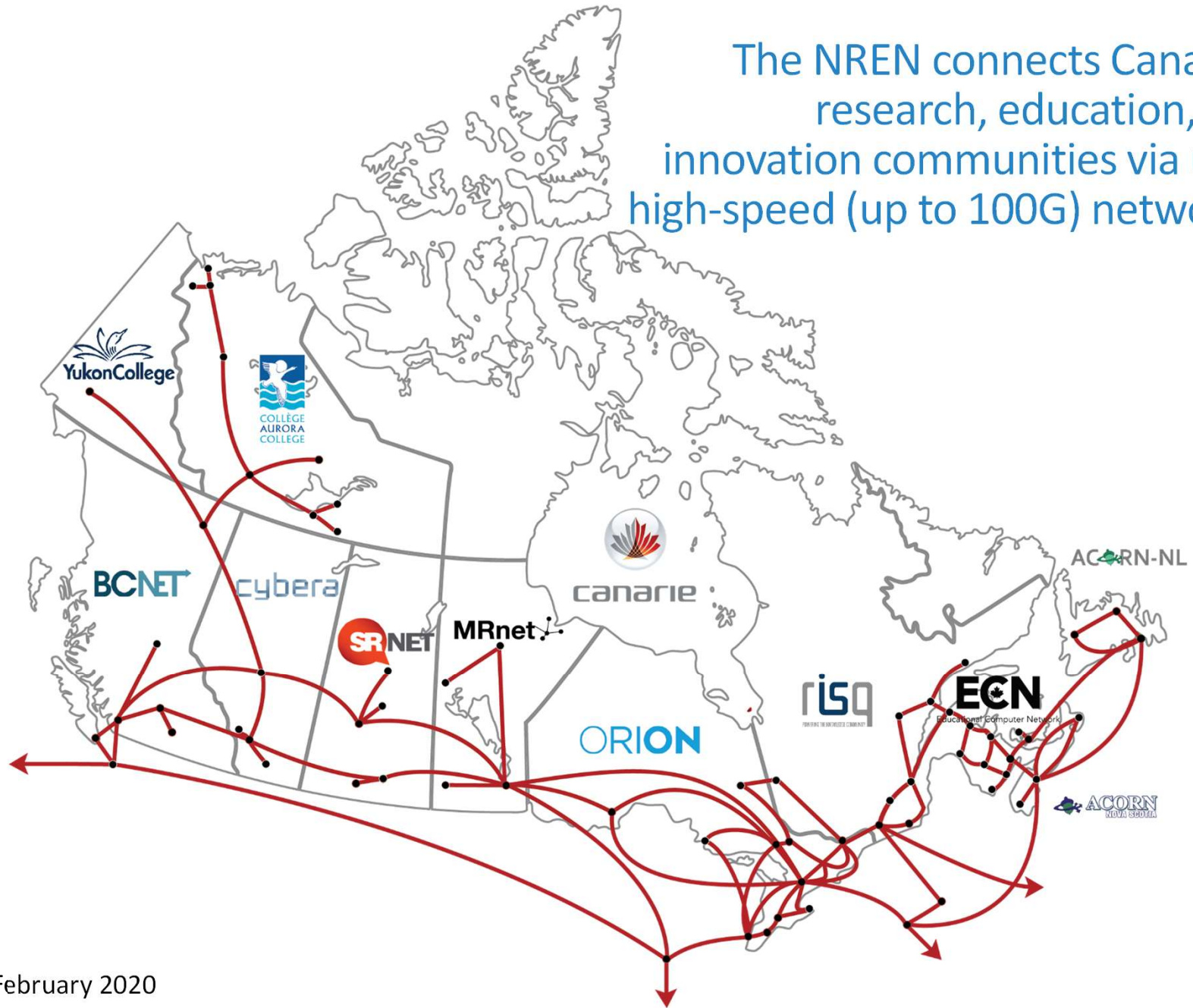
rISQ
POWERING THE KNOWLEDGE COMMUNITY

 SRNET

 YukonCollege

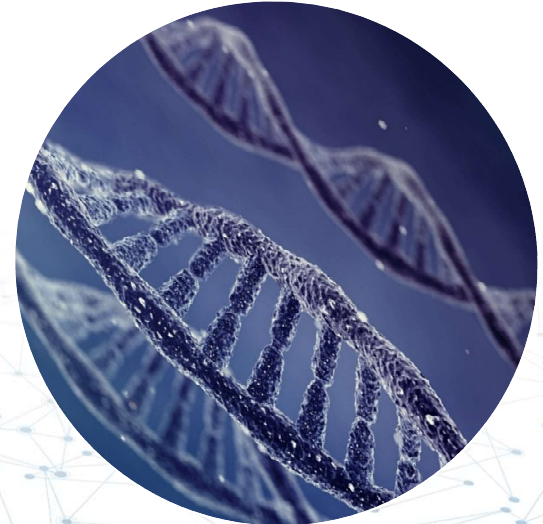
What does the NREN do for Canadians?

The NREN connects Canada's research, education, and innovation communities via ultra high-speed (up to 100G) networks.



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The NREN enables data-intensive research and education that would not be feasible over commercial networks.



The NREN makes access to global research instruments and vast data stores seamless so that distance is irrelevant.

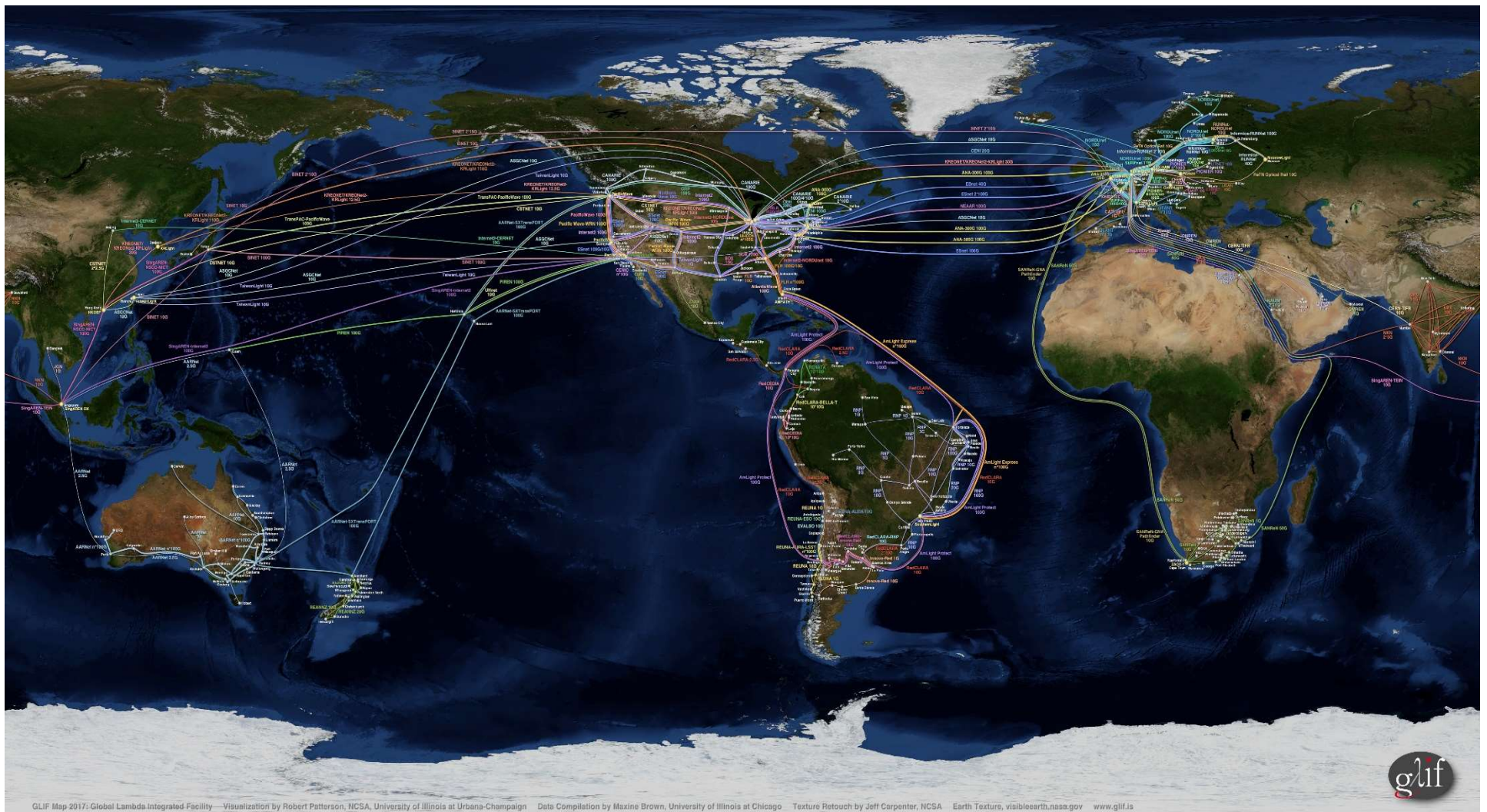


- 30 Metre Telescope
- Large Hadron Collider
- Canadian Light Source

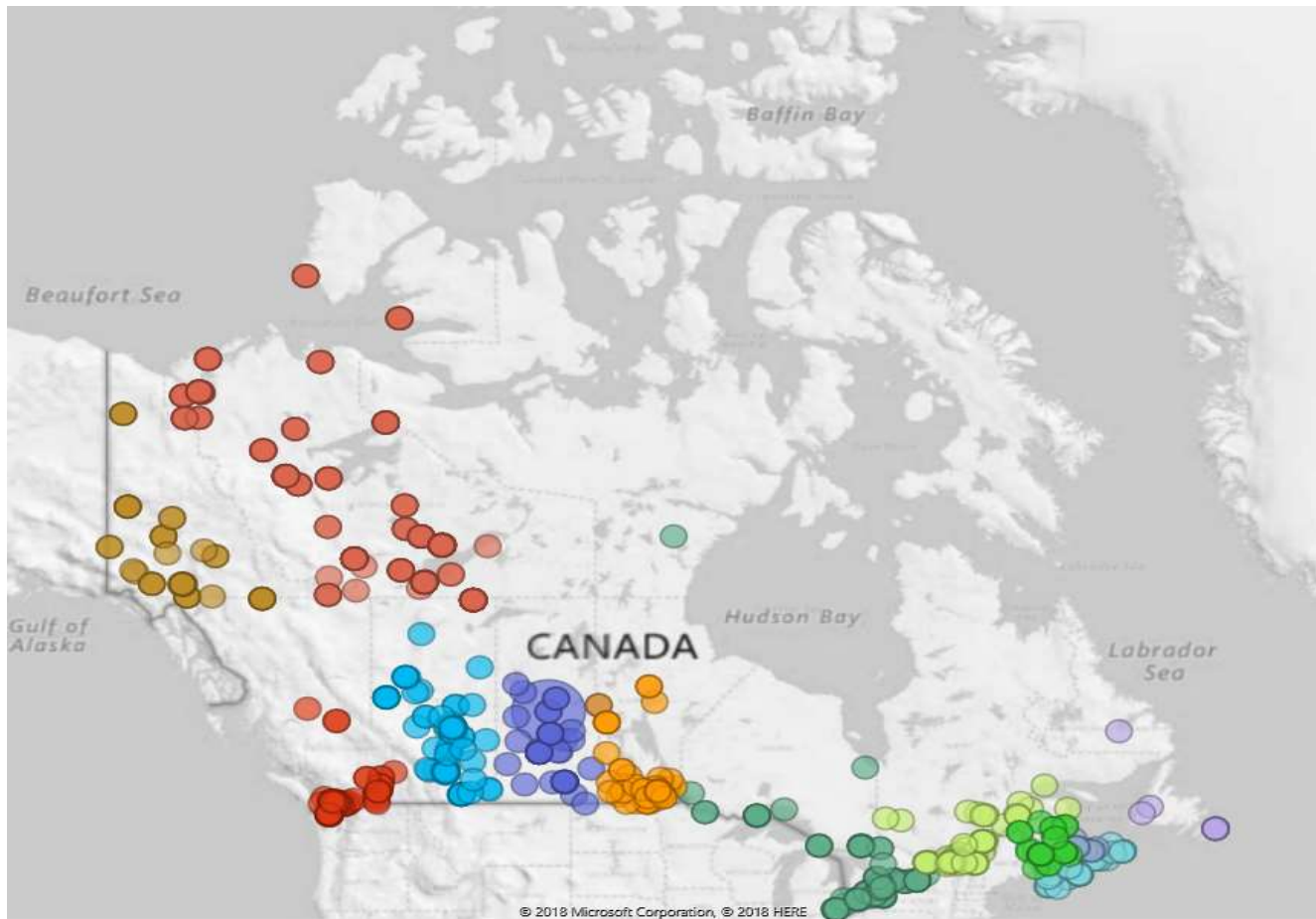


- Genomics Databases
- Neptune 2.0
- Worldwide sensor networks

Canada's NREN leverages global investments in advanced networks and enables Canadian students and researchers to collaborate with colleagues around the world.

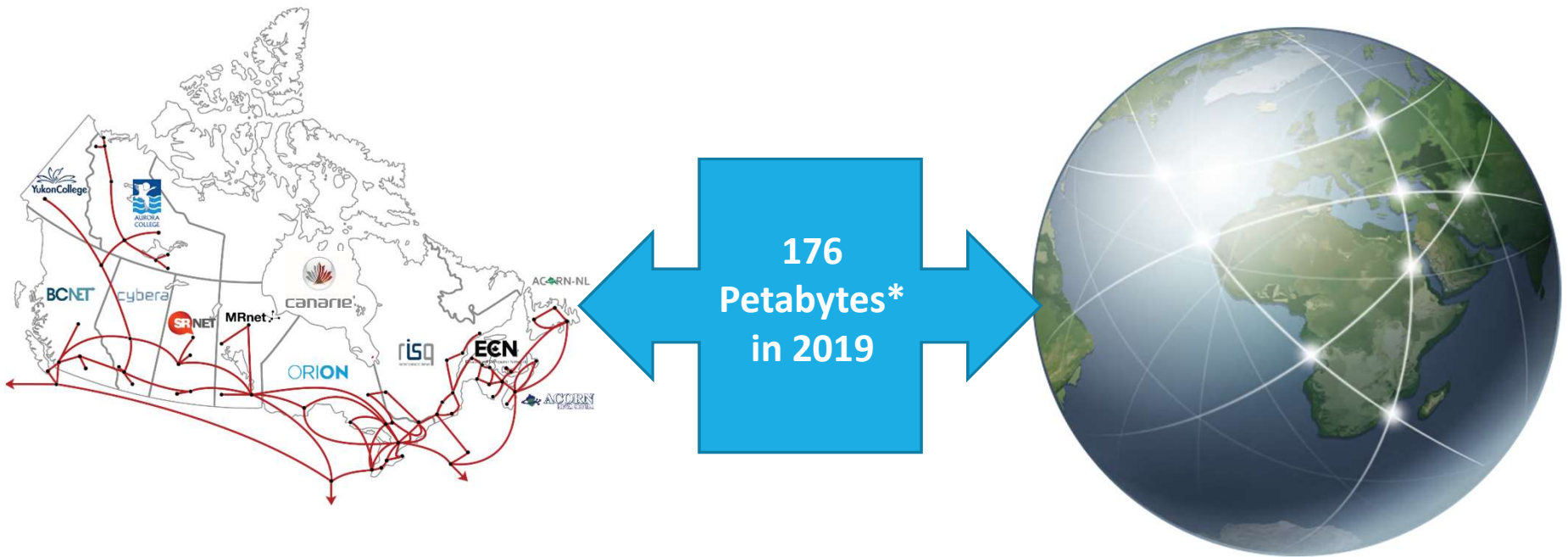


The NREN connects over 760 Canadian universities, colleges, CÉGEPs, research hospitals, government research labs, school boards, business incubators and accelerators.



Fast Facts about Canada's NREN

Massive amounts of data flows to and from Canada to international partners, as Canadians are fully engaged in global collaborations to solve our most pressing problems.



** The equivalent of watching movies 24/7 for 20,000 years!*

Canadians' investment in the NREN is leveraged by significant international investments.



How is the NREN operated?

The NREN is governed and managed by members of the **NREN Governance Committee** (presidents of the provincial and territorial networks plus the president of the federal partner, CANARIE).

Initiatives are guided by the **NREN Strategic Plan**, which lays out priority projects to evolve the NREN and maximize its value for stakeholders.



Who pays for the NREN?

Investments in the NREN are made by the federal partner, CANARIE, and by NREN-connected institutions in the provinces and territories to support their provincial or territorial networks.



Questions?

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