



Going 'Beyond the Build' with ROGERS

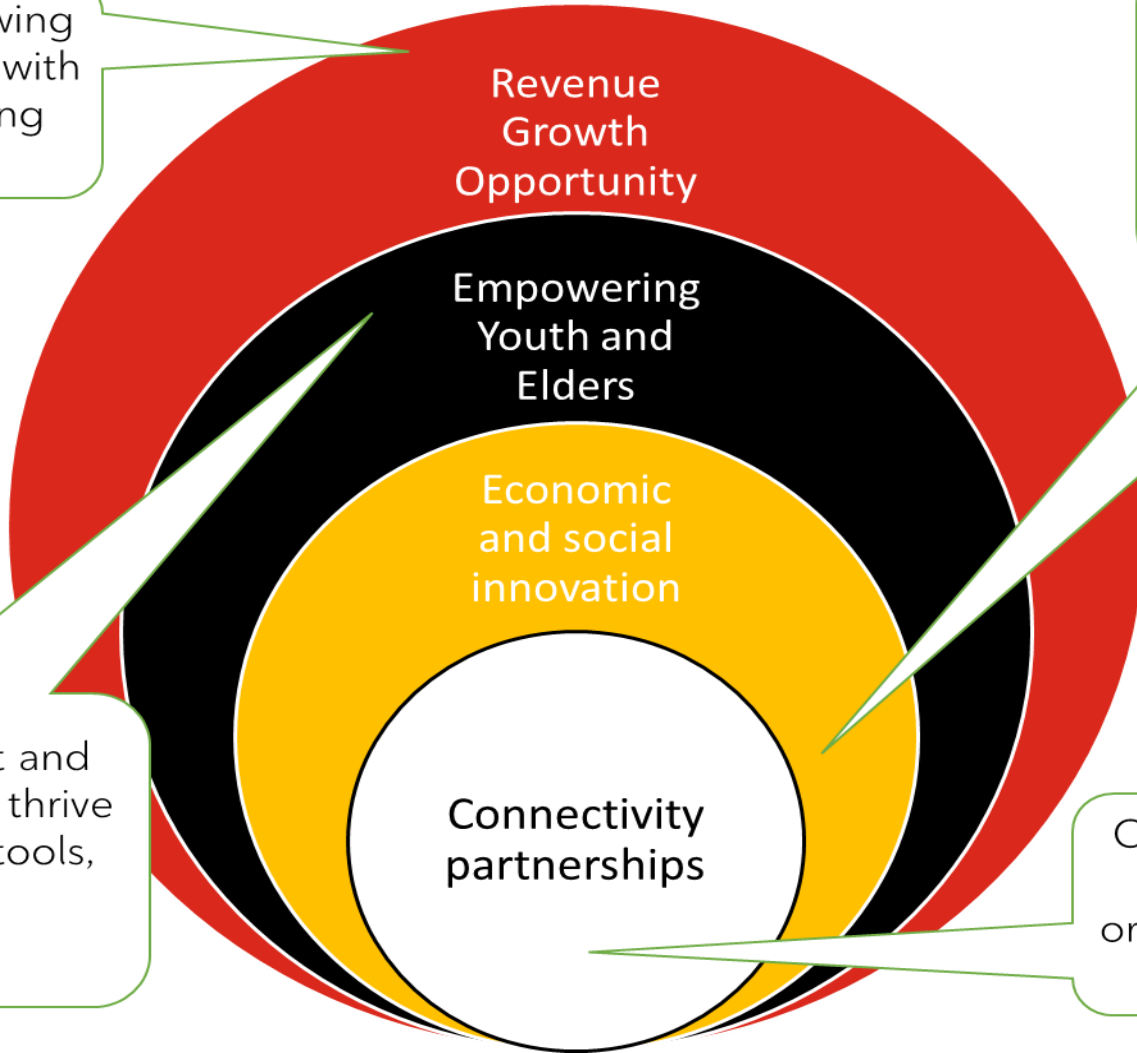
CRRBC Eastern Conference 2024



IR Strategy - Sustainable Investment, Partnership and Reconciliation

Bringing the fastest growing cohort in Canada online with reliable, self-determining technology

Fostering 'smart cities,' remote healthcare, innovative cultural reclamation, and long-term affordable economic development

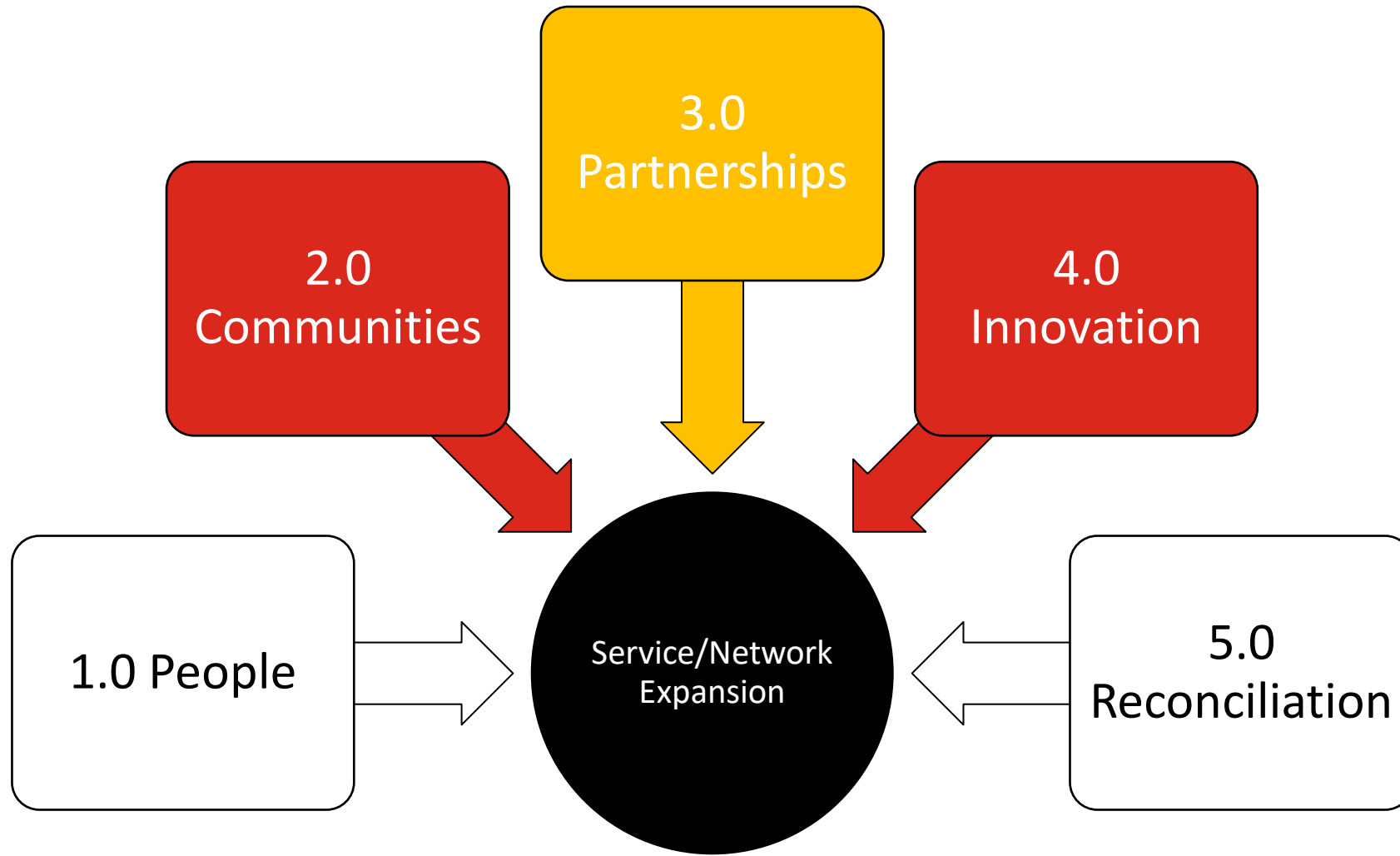


Empowering current and future generations to thrive with digital literacy, tools, and connected opportunity

Collaboration with government, industry, and Indigenous organizations to ensure no one is left one behind



An IR strategy which looks 'beyond the build'



Connectivity has become a societal staple.

At Rogers, we aim to achieve digital equity.

Rogers practices a pull vs. push approach to implementation.



In 2018, Rogers and University of BC launched the first 5G partnership of its kind.

Now, after years of trailblazing research, the transformative power of wireless communications is being harnessed like never before.

UBC as a 'Living Lab'

Nine macro-cell towers dot the UBC Vancouver campus, operating on different frequency bands, determining how 5G works with other small-cell tech spurring innovation across the various testbeds.



Connected Vehicles

Exploring how 5G technologies can be deployed to achieve intelligent transportation goals like improving road safety, reducing congestion and improving air quality. Some use cases include traffic signal priority and coordination, notification and protection of vulnerable road users and collision avoidance.



Early Earthquake Warning

A low cost Earthquake Early warning system over 5G has been developed to make predictions which would enable critical actions to disconnect electric, gas and water grids, close bridges and tunnels, halt commuter trains, and warn citizens to take cover before peak tremors hit - reducing damage and saving lives.

This has grown to become a \$25-million investment in research-driven collaborations with leading Canadian institutions including, Toronto Metropolitan University, the University of Calgary, and the University of Waterloo.

Additional Active Research Projects

Human Teleoperation



5G enabled tele-ultrasound system integrating mixed reality (MR) and haptic control

Patient Monitoring during Emergencies



Timely and Extended Monitoring(Tx Med) of patients in Emergencies and Disasters

Smart Forests



Monitoring of forest fuel conditions to predict fire risk

Wildfire Prevention & Management



Real-Time Wildfire Propagation, Monitoring, Prediction, and Response (WFPMPR) over 5G

Smart Construction



Real-time management, monitoring, and communication within a construction site

AR/VR Immersive Event Experience



Immersive sporting experience delivery to large numbers of users viewing immersive live streams at home.

Road Safety



Real-time crash risk prediction to change the traffic environment and improve safety

Mine Waste Management



Mine waste rock piles monitoring using 5G sensor networks to manage, process, alarm waste rock pollution.

Drones for Data Collection & Delivery



Investigating hydrogen cell fuel technology & antenna integration onto drone chassis for BVLOS Drone advancements

Digital Electricity Grid



Assemble the first electricity use map of campus to inform UBC policy makers about climate change mitigation..

Connected Communities – Norway House Cree Nation

Base Layer Network

NHCN Broadband Inc. Fibre Network



Augmented Services provided by Rogers

Infrastructure Review & Workload

Mapping



- Audit of all NHCN IT infrastructure & workloads. Suggested enhancements & complete IT roadmap provided

Microsoft Enhancements



- M365 Licencing
- Move to Operator Connect for Teams for HCoE

Support Augmentation



- Managed Service support for Health Centre of Excellence

Infrastructure Design &

Implementation



- Design & implementation of IT infrastructure for HCoE. Wifi infrastructure, server design and implementation including virtual private cloud environment.
- A/V design and implementation for HCoE

Smart Health



- Remote patient monitoring for community members.

We want to work with you.

Contact us!

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