



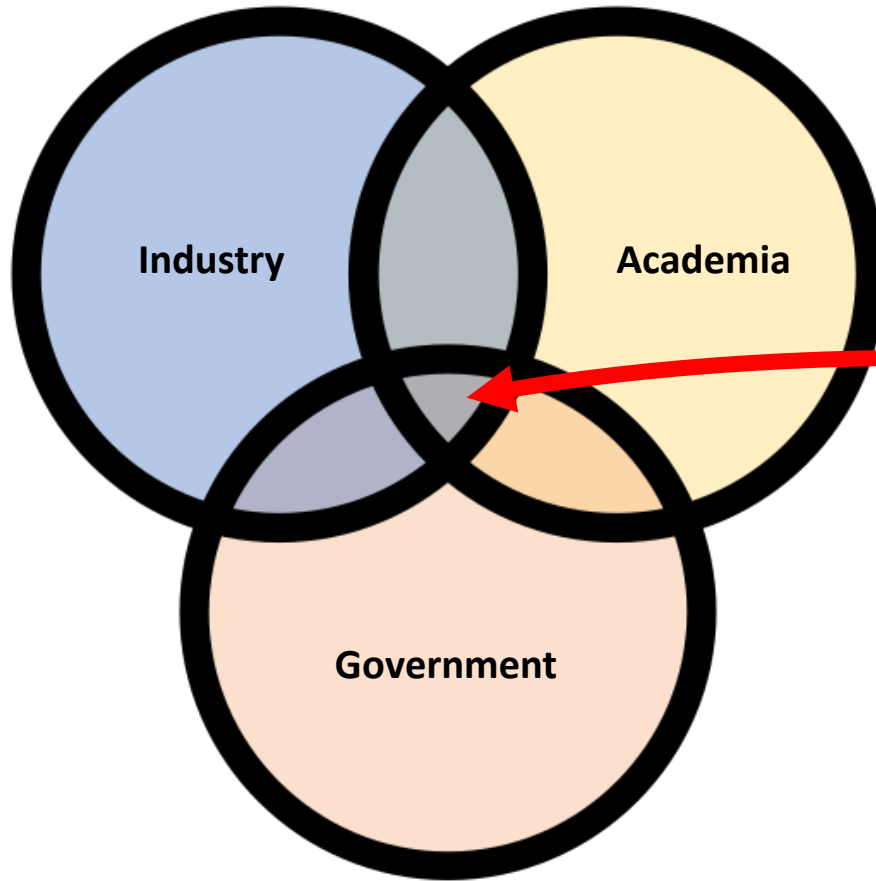
The Triple Helix

Exploring the New Brunswick Infrastructure Institute's Unique Approach
to Fostering Collaboration and Innovation

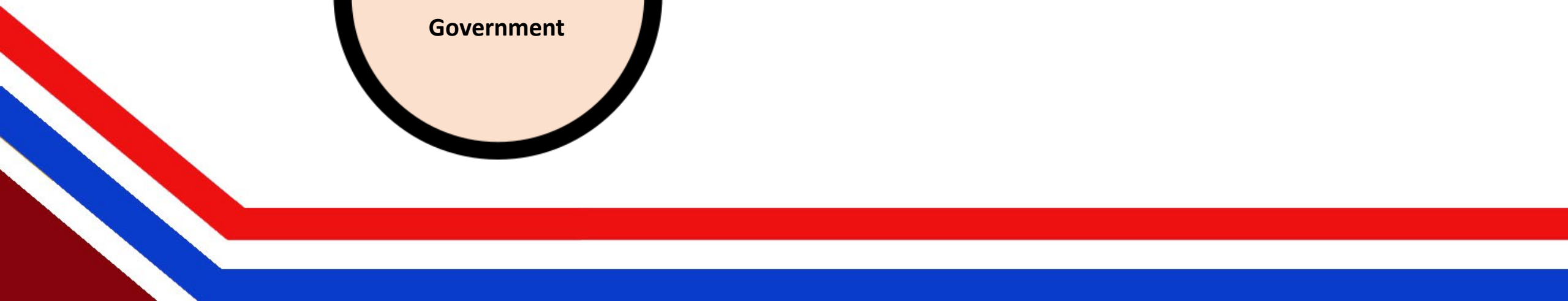
IAM North American Conference

October 25, 2023 @ 15:30 ET | Toronto, ON

Triple-Helix Model



Knowledge and Innovation



Formative Drivers



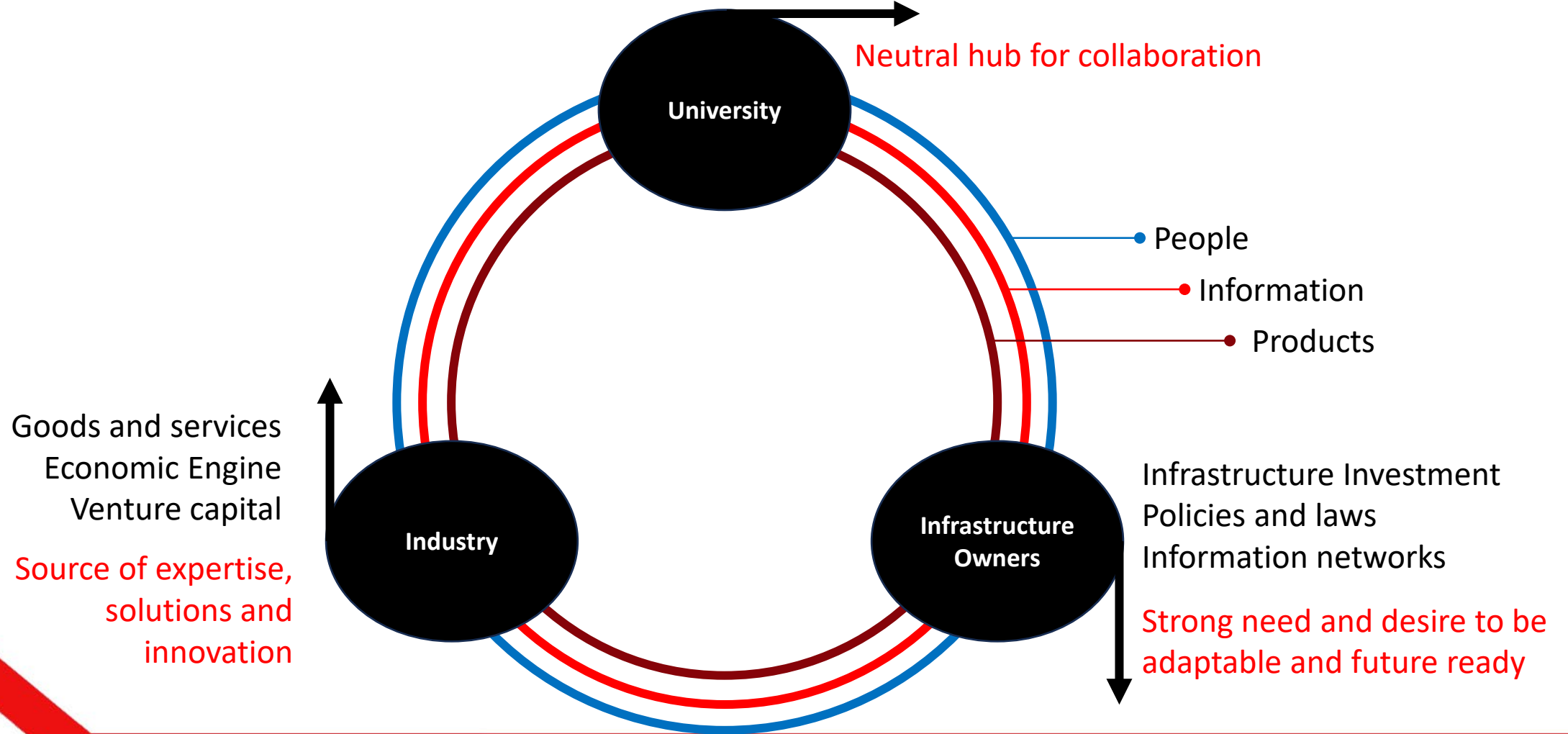
Creating a better future for our children

- High degree of infrastructure relative to small population, that is predominantly rural.
- Most climate threats relevant, sea level, wildfire, storm intensity, hotter temperatures, biodiversity
- Historical economic challenges have created a large infrastructure deficit
- Cultural identity that is inclined to collaboration and practical solutions, “Git ur dun”



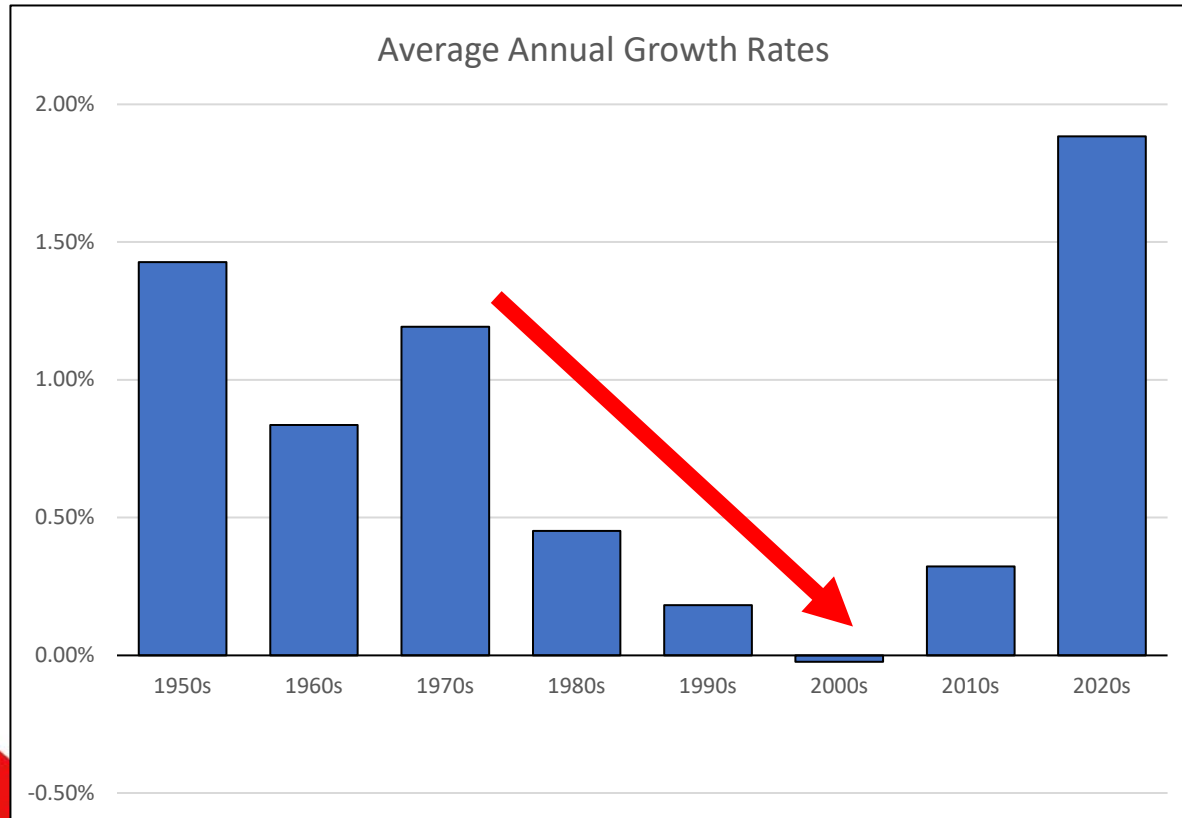
“Circulation”

Human/ Knowledge resources
Novel discovery and findings
Start-up incubator



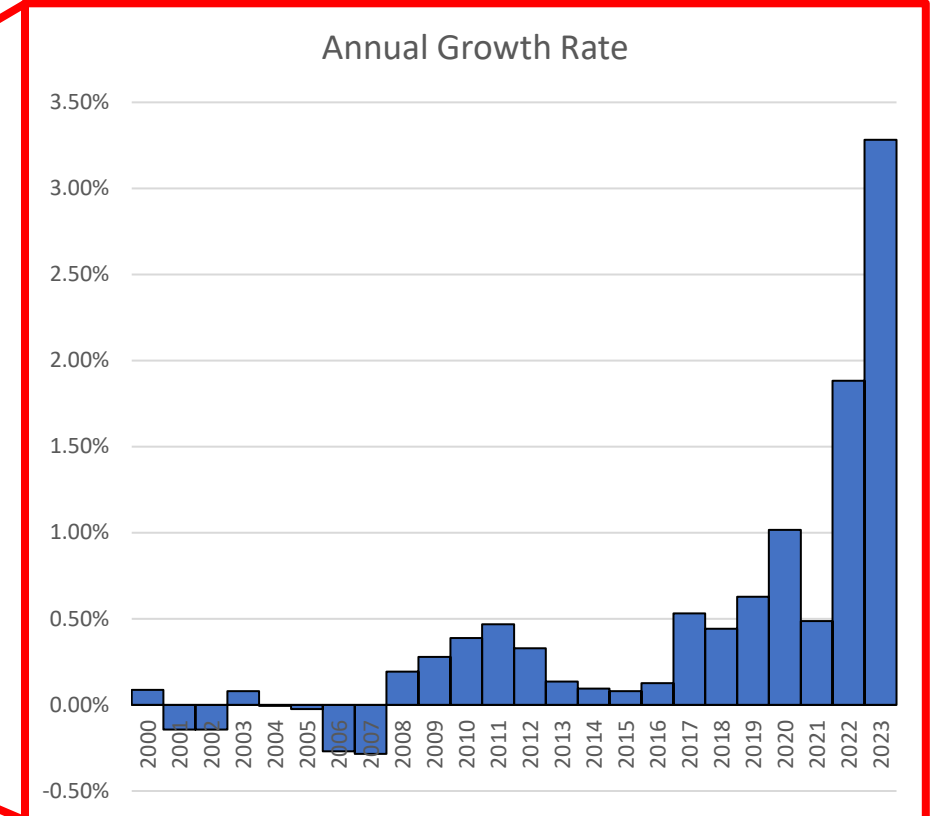
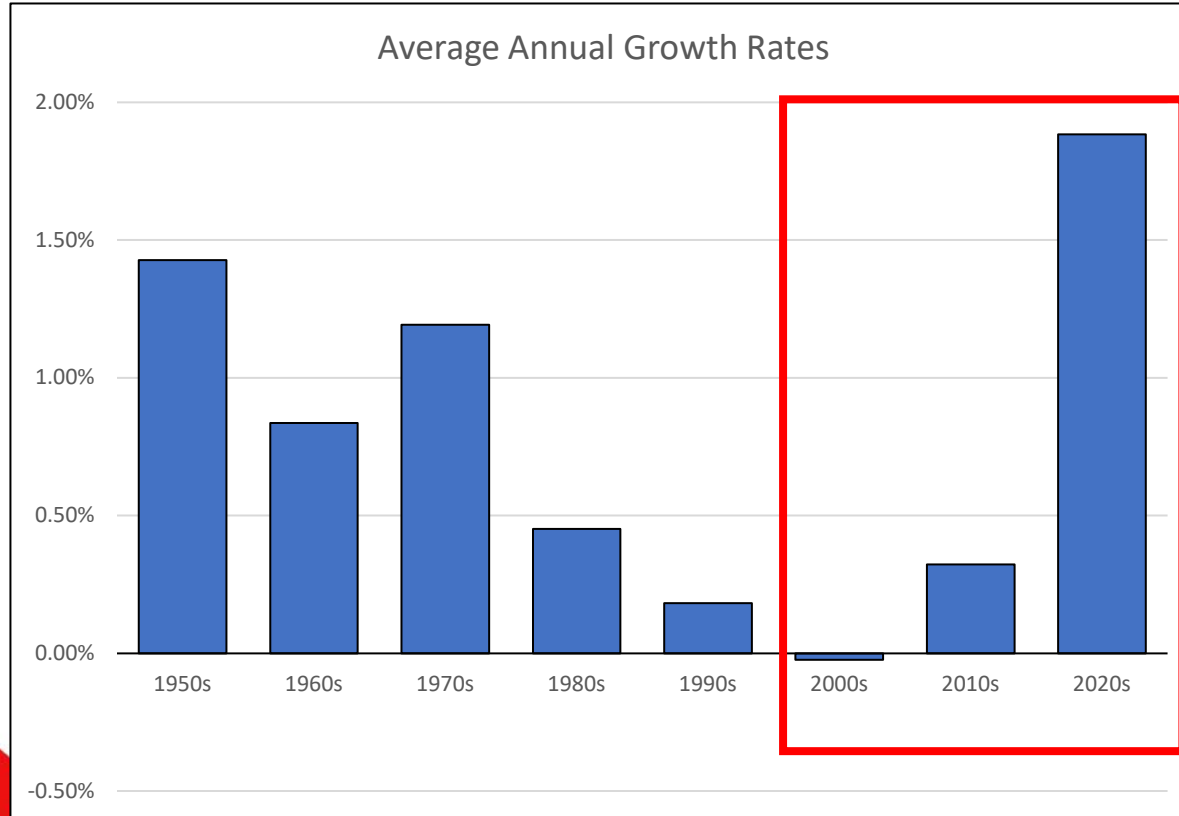
The NB Story:

From Boom to Bust ... back to Boom?

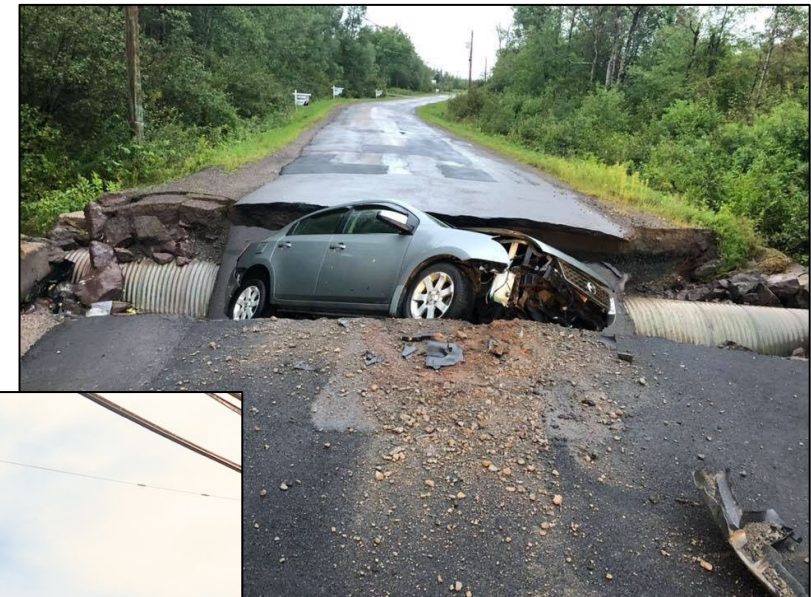


The NB Story:

From Boom to Bust ... back to Boom?

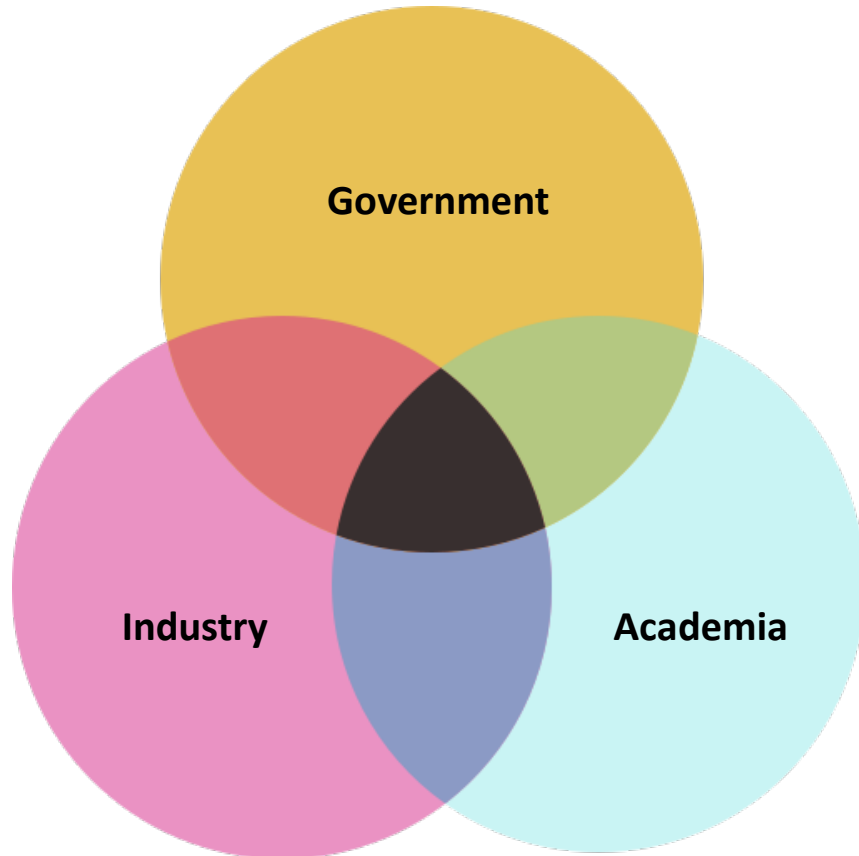


Dealing with the “Bust”





Introduction to the NBII



MISSION

Empower **infrastructure owners and policymakers** in New Brunswick with the knowledge, skills, and opportunities to make informed and evidence-based decisions, effectively adapt to long-term challenges, and improve infrastructure and community resiliency.

What we do



Evidence Gathering & Investigations

Collect data, conduct applied research, and publish reports to support infrastructure owners with evidence-based policy and decision-making; evaluate the impact of policy and funding decisions.



Education & Training

Provide current and future owners with the training and knowledge to effectively plan, manage, and deliver infrastructure; support best management practices and training across the province.



Collaboration & Community Building

Host regular summits and seminars on various infrastructure topics, giving industry stakeholders and policy makers an opportunity to collaborate across government, industry, and academia



What we are working on



NB Infrastructure Report Card



Municipal Asset Data Management Guidelines and Best Practices for NB



State of Practice Review: Climate Vulnerability Assessments and Natural Asset Management.



Asset Management Training and Community Building



NB Infrastructure Summit



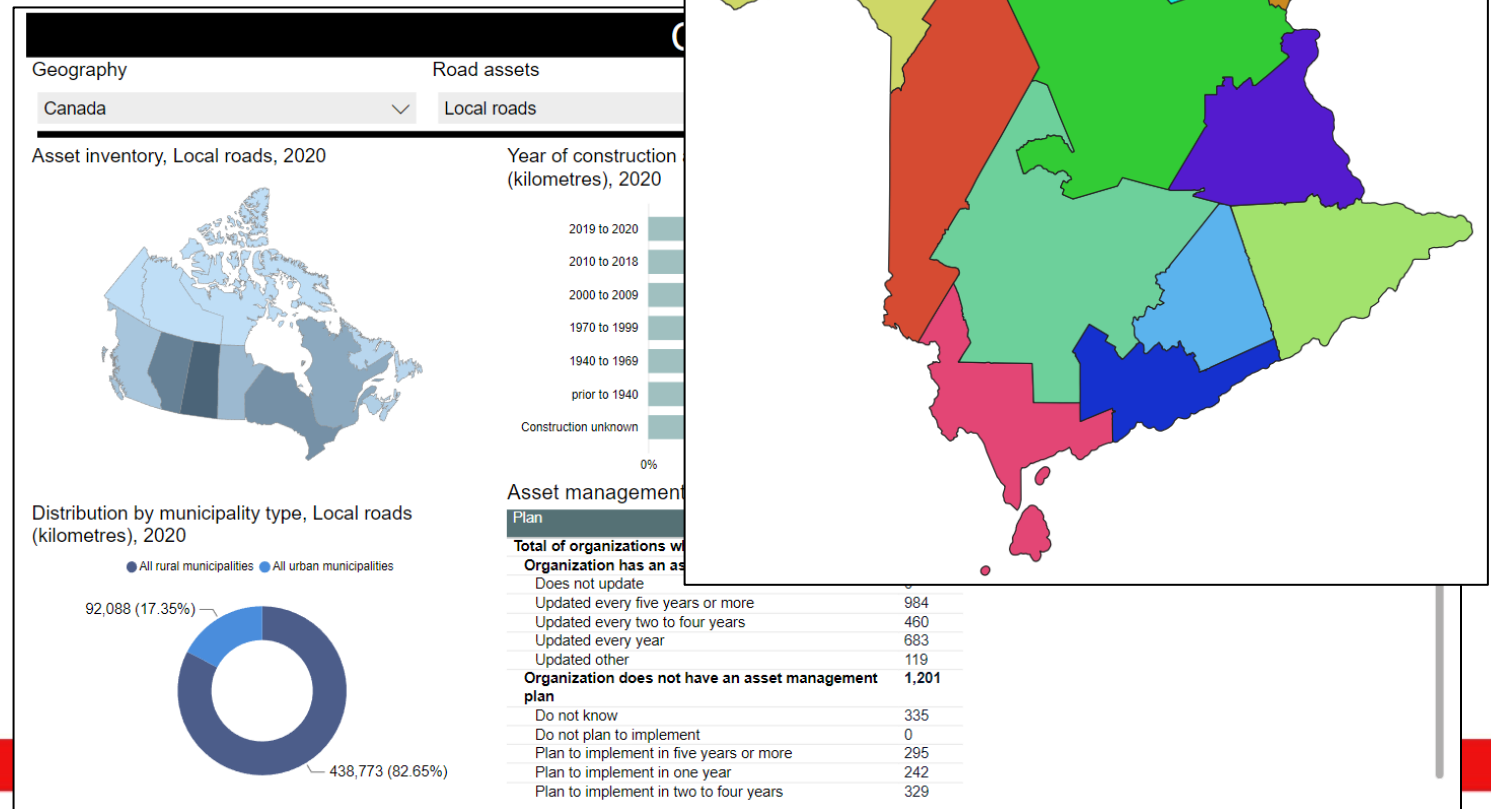
Provincial and Local Government Engagement and consultation



Interactive Dashboard

Allow users to see state of infrastructure:

- Infrastructure type
- Owner type
- Region



Benefits



- **Growing the province’s infrastructure knowledge economy.**
- Building local communities of practice, peers helping peers.
- Facilitating meaningful discussion and consultation in “safe spaces”.
- Leveraging contributions from all strands of the helix.
- Putting research into practice, creating better community outcomes.
- Focusing on the HOW: hands on, practical approaches and knowledge transfer.

Aspirations



- Bilingual hub for infrastructure management innovation and knowledge sharing.
- Integrated training for undergraduates, graduates, and practitioners already in the workforce.
- Active advocate for practical solutions for local infrastructure challenges.
- Foundation center for expertise, knowledge, and collaboration.
- Help shape policy and practices that strongly positions the province for future generations.

Questions?

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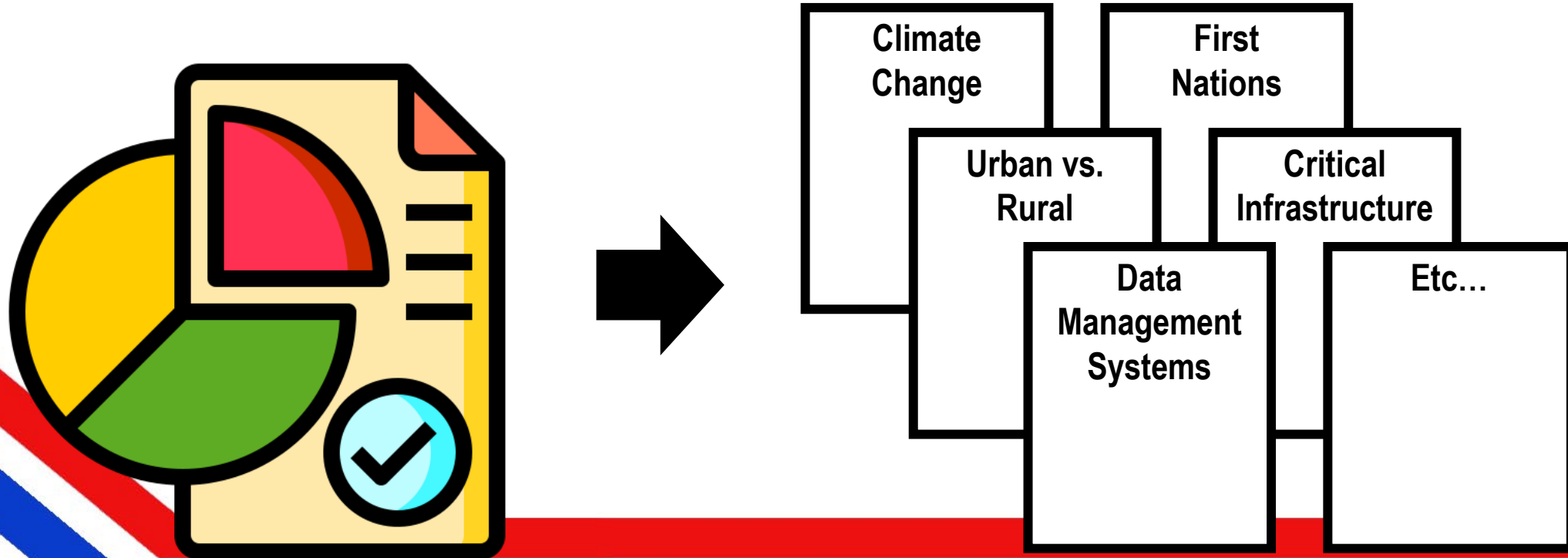
Martin Gordon, PEng, CPA
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**Extra Slides
(excluded from presentation)**



Supplementary White Papers

Series of white papers that explores a specific topic or area of interest to promote knowledge (2 to 3 pages).



Infrastructure Sectors



Transportation

Roads
Bridges
Tunnels



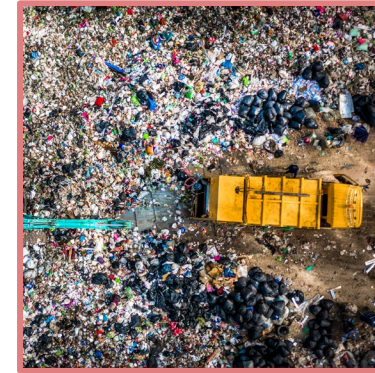
Water

Potable Water
Wastewater
Stormwater



Facilities

Sports & Recreation
Healthcare
Culture
Affordable Housing



Solid Waste

Landfills
Composting
Digestion

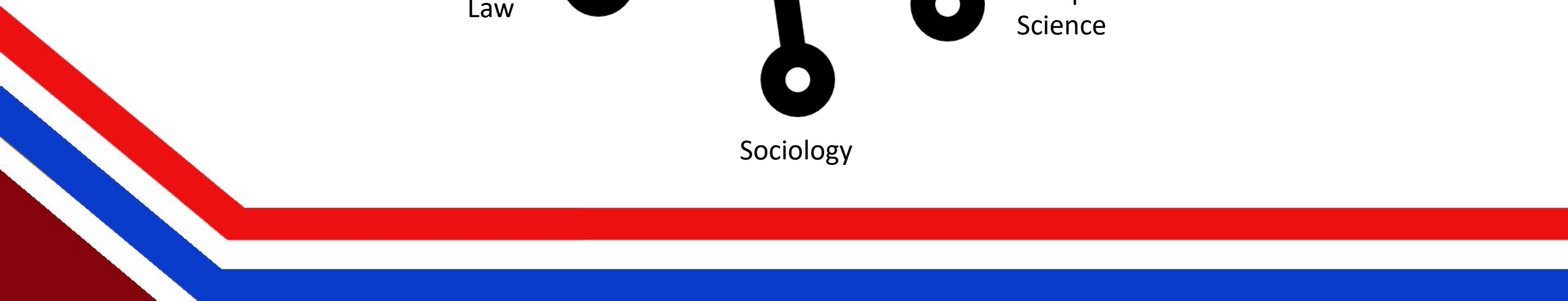
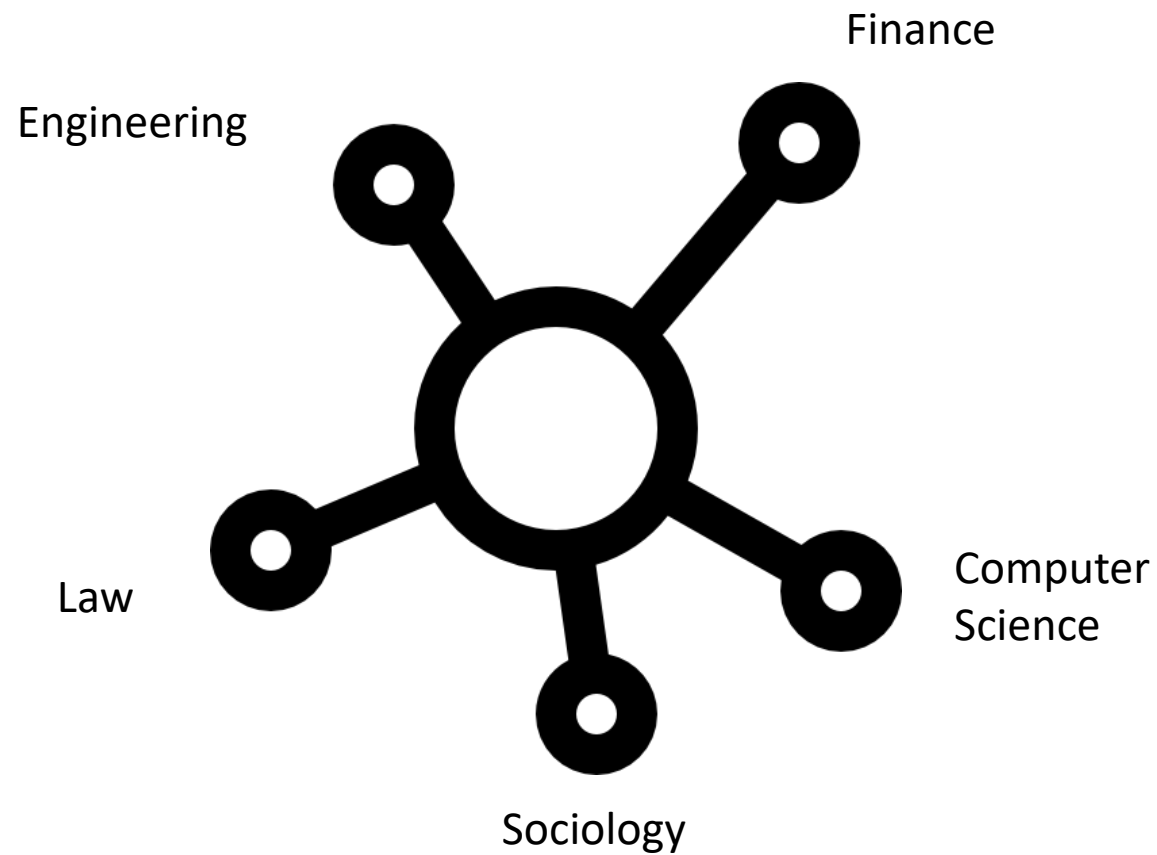


Transit

Fleet
Rail
Terminals



Building bridges





NB Infrastructure Report Card

