

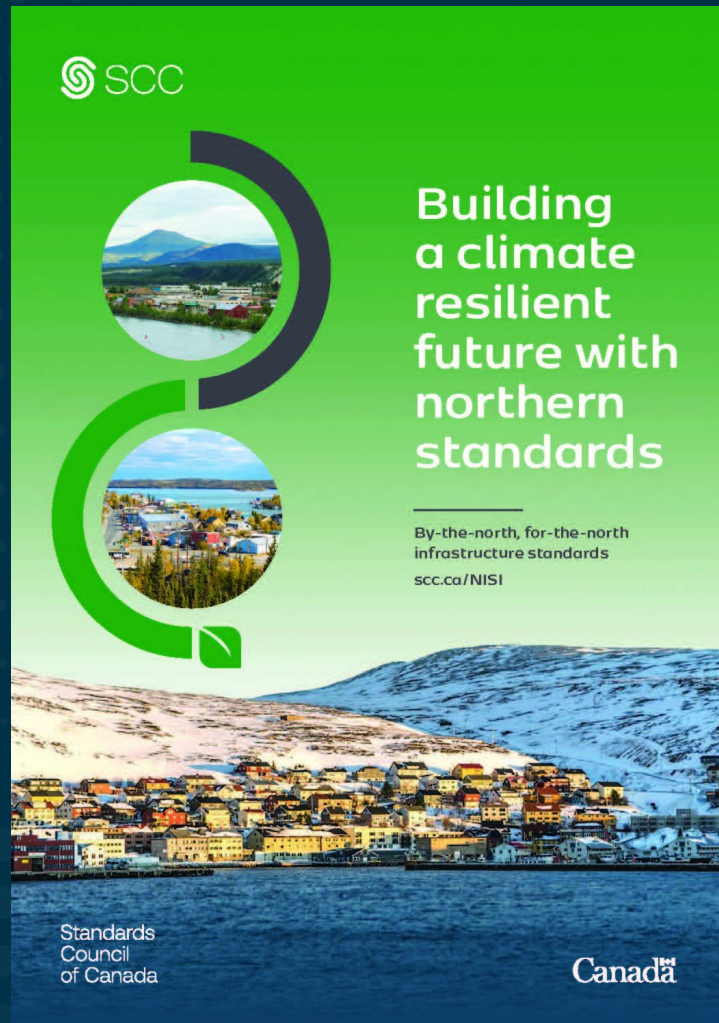
What's in your toolkit? Standards Council of Canada's Northern Infrastructure Standardization Initiative (NISI)

The importance of NISI and NAC

...more climatic data demonstrating increasing temperatures, thawing permafrost, changing snow loads and other challenges that have a damaging impact on infrastructure in the North....



NISI Standards: By-the-North and for-the-North



Building in permafrost

thermosyphons, moderating permafrost degradation, guides for climate change adaptation

Dealing with extreme weather

changing snow loads, erosion, fire resilience, high winds

Designing with climate change in mind

geotechnical site investigations, risk-based approach to planning

Community systems

drainage, wastewater, solid waste sites

NISI Phase III (2022-2026)

Currently working on new statements of work.

Asset Management is one currently under development.



Making Canada more climate resilient

- ✓ Ensuring climate change adaptation and resilience are reflected in current **building codes, guidelines and standards**
- ✓ Working with Canada's **Northern communities** to support the development of standards that consider climate change impacts in northern infrastructure design, planning and management





THANK YOU

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