

# Enhancing geospatial information management to advance national priorities and global agendas

Successes and challenges in the implementation of the  
United Nations Integrated Geospatial Information Framework



**Workshop on United Nations Integrated Geospatial Information Framework (UN-IGIF)** ahead of the  
Twelfth Session of the United Nations Regional Committee on Global Geospatial Information Management for the Americas  
(UN-GGIM Americas)



Ressources naturelles  
Canada

Natural Resources  
Canada

Canada

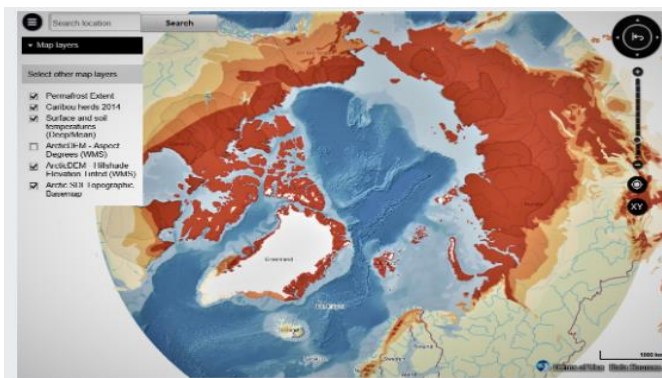


# Canada Centre for Mapping and Earth Observation Natural Resources Canada

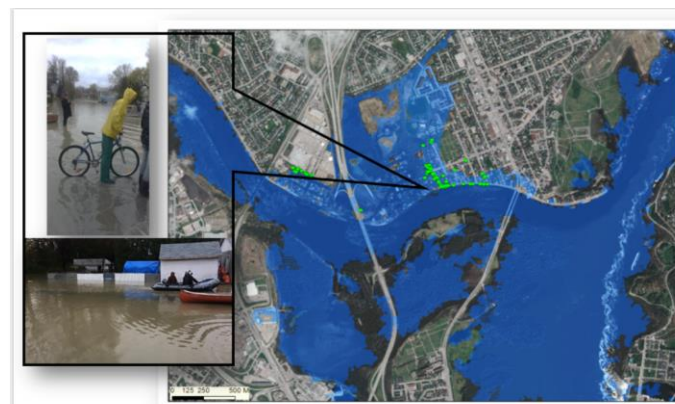


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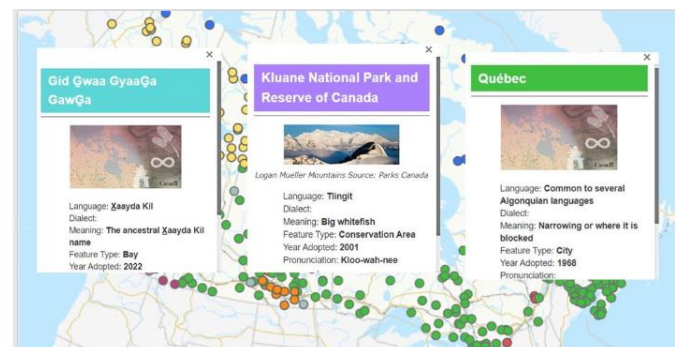
# Canada's Geospatial Data Infrastructure (CGDI) enables:



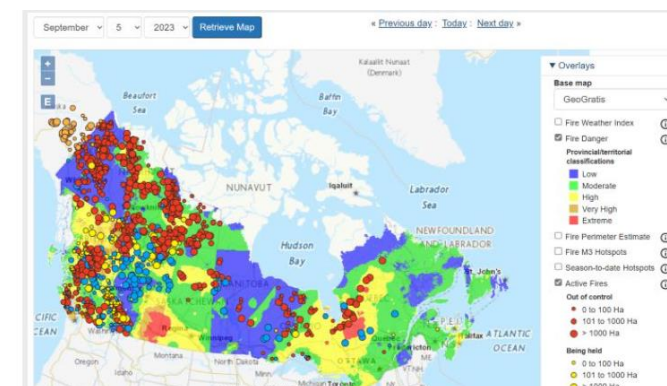
**Assessing regional climate change impacts**



**Determining impact of floods on infrastructure**



**Respecting Indigenous geographical names**



**Monitoring wildfires and modelling fire danger**



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# Benefits of using the UN-IGIF

The UN-IGIF and associated resources provide a structured approach to undertake a stock-take of Canada's SDI, the Canadian Geospatial Data Infrastructure (CGDI), and to elaborate on Data Strategy elements focused on location data and their supporting environment.

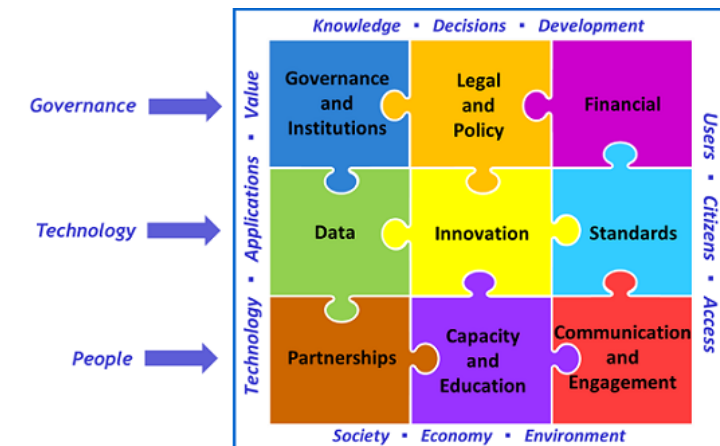
## Canada Federal Data Strategy



## Canadian Geospatial Data Infrastructure (CGDI)



## United Nations Integrated Geospatial Information Framework (UN-IGIF)



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# Implementing a collaborative UN-IGIF stock-take in Canada

## Stock take of the Canadian Geospatial Data Infrastructure (CGDI)

### Interviews

- Government partners familiar with CGDI
- 7 participants from 6 provinces/territories
- 24 federal participants representing 10 departments

### Inventory/Survey

- Government partners familiar with CGDI
- 37 inventories representing 5 provinces/ territories and 6 federal departments

### Desk Study

- Research-based third-party assessment
- Literature and Internet search
- Environmental scan, including global approaches



# The Challenge: Adapting the UN-IGIF for the Canadian Context

In adapting the UN-IGIF, CCMEQ considered:

- Which concepts are not applicable / have limited applicability to the Canadian context, given jurisdictional distribution of authorities?
- What jurisdictional perspective are we seeking? Does it make sense to explore the question from a national and/or federal perspective or a provincial/territorial perspective?
- What types of adaptations to the diagnostic tool can help address Canada's policy objectives?
- Who are the targeted stakeholders and partners for each question?



# Successes, Key Takeaways and Next Steps

## Key takeaways:

- Requires dedicated/focused time and resources
- Importance of adapting the questions and the terminology to meet national needs and circumstances
- Engaging experts across one's organization is key for comprehensiveness
- Vital to bring key partners and stakeholders into the process to understand the broader geospatial community/context, perspectives and for buy-in



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# A Path Forward: Collaborative Geospatial Strategy for Canada

**Strategic Mission 1 - Unlock** : Improve geospatial data products, and access to enable and maximize science, innovation, and economic growth

**Strategic Mission 2 - Embed** : Drive greater use of geospatial data and applications across the economy and society for insights into issues that matter to Canadians, generating efficiencies

**Strategic Mission 3 - Safeguard** : Safeguard, streamline, and continuously improve geospatial governance, infrastructure, and environment (SDI) to continue providing essential and coordinated geospatial services

**Strategic Mission 4 - Empower** : Build confidence in a future geospatial ecosystem by enhancing geospatial awareness, capabilities, and skills to meet future needs



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# Canada

*Merci!*  
*Thank you!*



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