

Climate-Ready NL

Let's do this!

MNL Symposium - 2 May 2025

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Owner and Managing Director, Fundamental Inc.



Made possible through
funding from the
Federation of Canadian Municipalities'
Green Municipal Fund and the
Government of Canada



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*Our Newfoundland and Labrador
municipal sector-representing team*

Climate-Ready NL

1. Sector-wide Climate Adaptation Campaign

- A. Core adaptation concepts and oversight
- B. Baseline climate data gathering, compilation and interpretation
- C. Climate-informed emergency planning
- D. Natural asset adaptation options

2. Climate-Ready Emergency Planning

3. Facilitating Watershed-Scale Adaptation

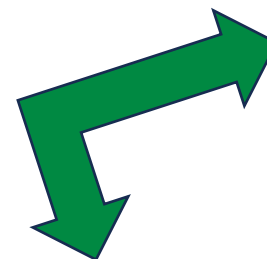
Project Lead: **Dr. Kathleen Parewick**
kparewick@municipalnl.ca

2024-2032 opportunities



<https://greenmunicipalfund.ca/local-leadership-climate-adaptation>

\$530M – 1,400 communities



Climate-Ready Plans and Processes

Helping municipalities develop comprehensive climate adaptation strategies



Feasibility study: Adaptation in Action

Funding for climate adaptation through municipal services



Implementation projects: Adaptation in Action

Empowering municipalities to thrive in a changing climate

OUR TEAM



Activity 1
Sector Campaign
Risks and Hazards
Mapping
Climate data
compilations

Activity 2
Climate-
Informed
Emergency
Planning
(Deep dive)

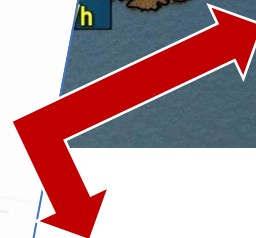
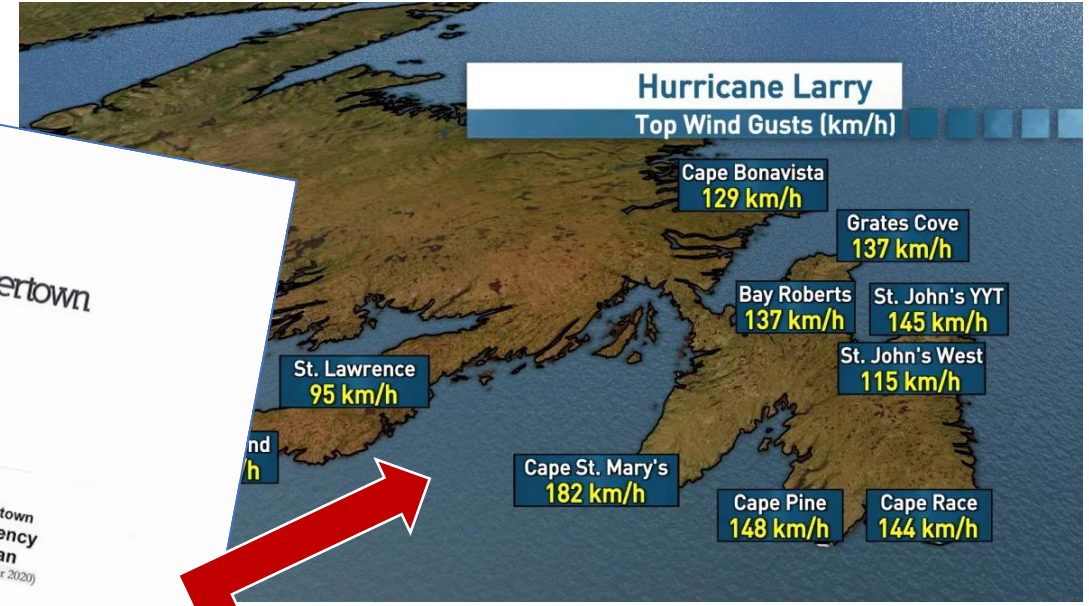
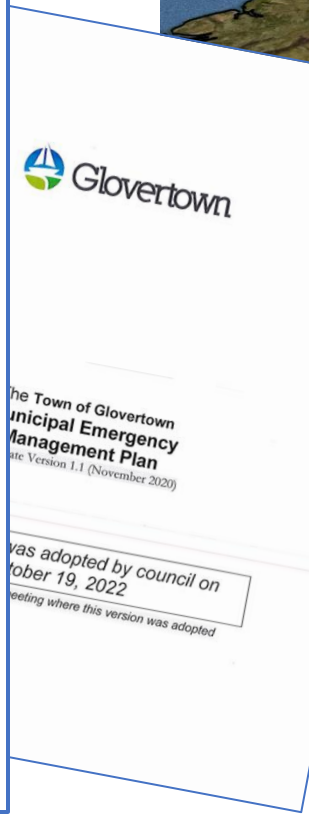
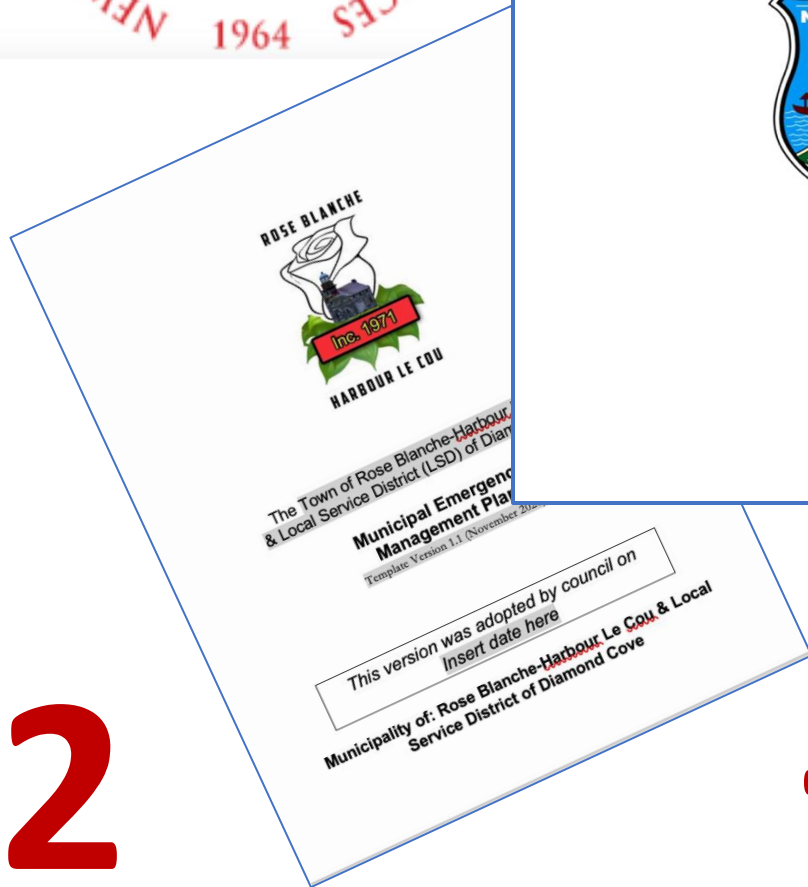
Activity 3
Watershed-
Scale &
Nature-based
Solutions
(Deep dive)



Conservation Corps NL (CCNL)
Climate education content advisors,
Adaptation Intern intake
Leila Beaudoin, videographer
Grenfell Campus, MUNL
Field and project research supports
College of the North Atlantic
Geomatics support, training
Fire & Emergency Services
Existing provincial training collaborations
Natural Assets Initiative (NAI)
Train-the-trainer provider
CLIMAtlantic, other collaborators
Miscellaneous supports

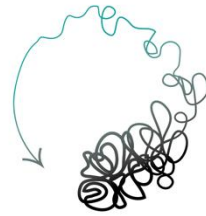


Town of Northern Arm
Emergency Management Plan
May 13th 2014
Revised January 2023



Climate-informed?
Local observations?
Extreme weather events?
Sea-level rise?
Storm surge?
Slope movement?

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Nature-based?
Nature-positive?
Natural assets?
Eco-assets?
Watershed-scaling?



<https://naturalassetsinitiative.ca/>



Why Natural Asset management

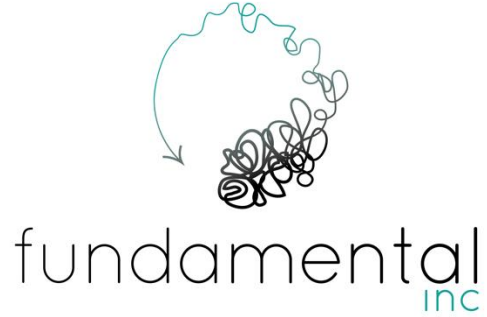
Sustainable
Engineered assets have a limited lifespan, but some natural assets can provide services in perpetuity — they grow more valuable over time, providing liveable cities for future generations

Cost Effective
Manages existing assets such as forests or wetlands reduces service delivery and maintenance costs while improving engineered assets' efficiency

Climate Resilient
As living infrastructure, many natural assets last longer & perform better under increasing pressures from climate change compared to traditional-only approaches

TABLE 2: SUMMARY OF NATURAL ASSETS BY TYPE				
NATURAL ASSET TYPE	NUMBER OF ASSETS	TOTAL AREA (HA)	AVERAGE ASSET AREA (HA)	MAX ASSET AREA (HA)
Pasture / Forages	19	54.9	2.89	7.82
Forest	3,143	711.4	0.23	29.57
Wetland	1,524	190.0	0.12	4.09
Water Body	96	8.5	0.09	2.74
Grassland	176	15.4	0.09	0.85
Total	4,958	980.2	3.42	45.07

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THE VALUE PROPOSITION

What you will walk away with in 2 years:

- *Climate data compilation, specific to your community area*
- *Climate Risks and Hazards map*
- *Climate-informed Updates to your Emergency Plan*

OR

Nature-based Adaptation Options Report

Why this is beneficial and worth your time?

- *Timely access to next-steps adaptation funding*
- *Climate lens details to support your other projects and applications*
- *Unlocking other tools, networks and potential partnerships*



GETTING STARTED

Seeking 100 participating municipalities

Climate-Ready NL Kit (\$150 value): Town pays \$50.00

Municipal Time Commitment: 30 person-hours total

- To help organize and attend your climate hazard mapping event
- To review/edit your draft map and report
- To support your fire department (75) / SAM Committee efforts (25)

Project Team Commitment:

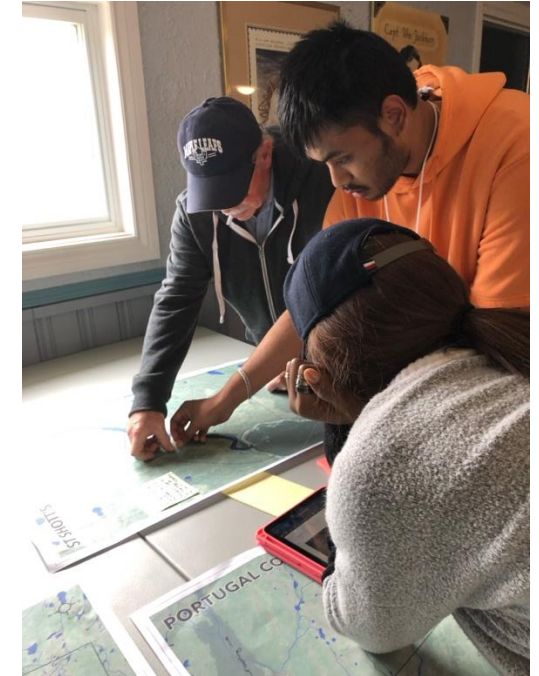
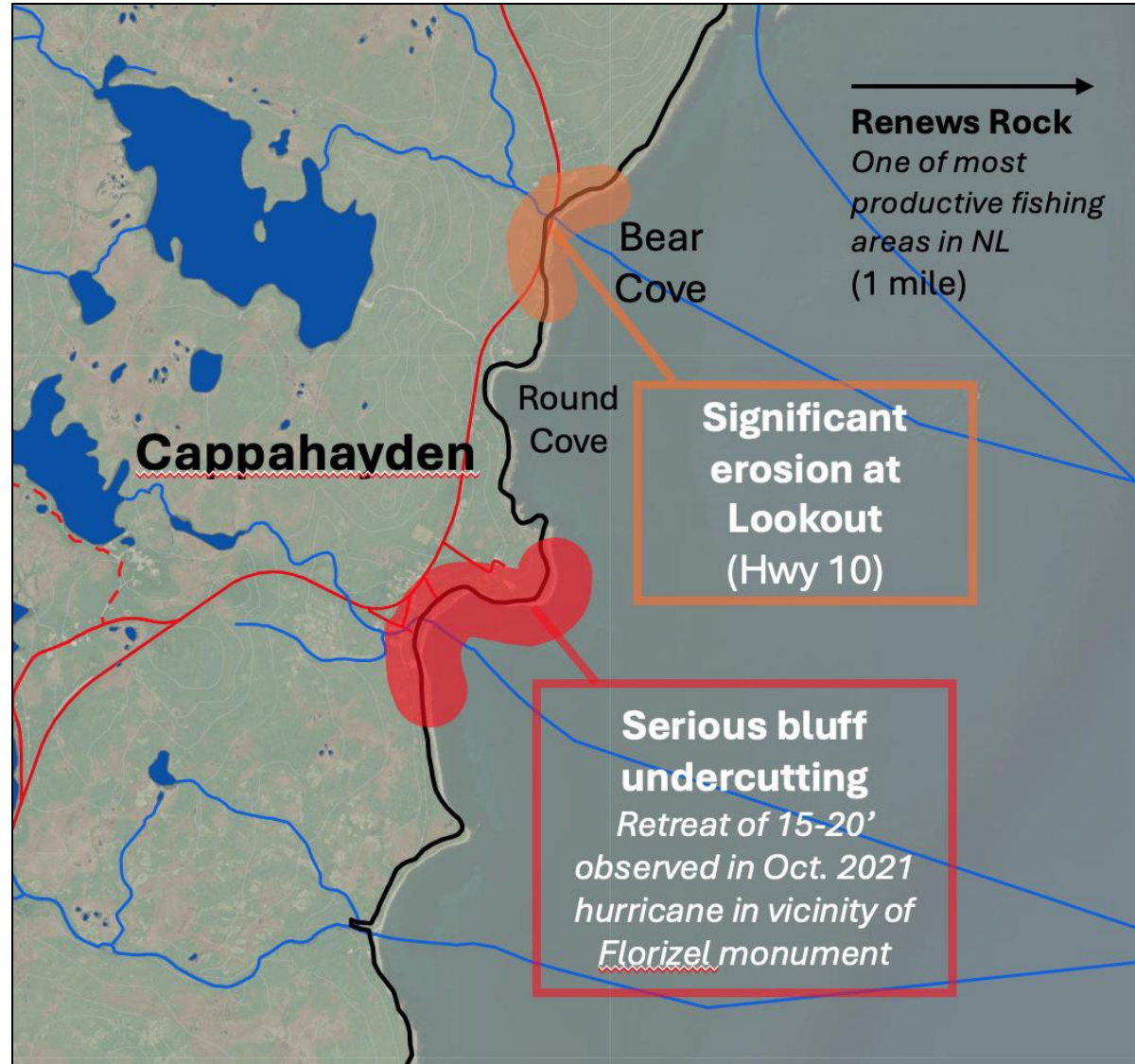
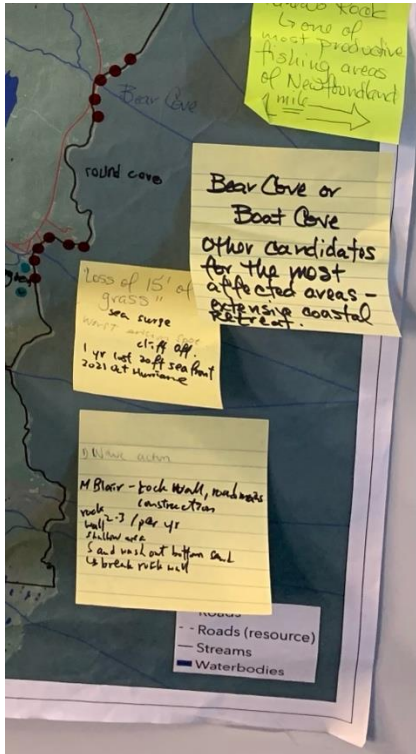
- One Town staff person
- One elected official
- One fire department member / SAM Committee liaison



Create a climate risks and hazards
profile for your town

1

CLIMATE HAZARD MAPPING





Coastal Erosion
Undercutting

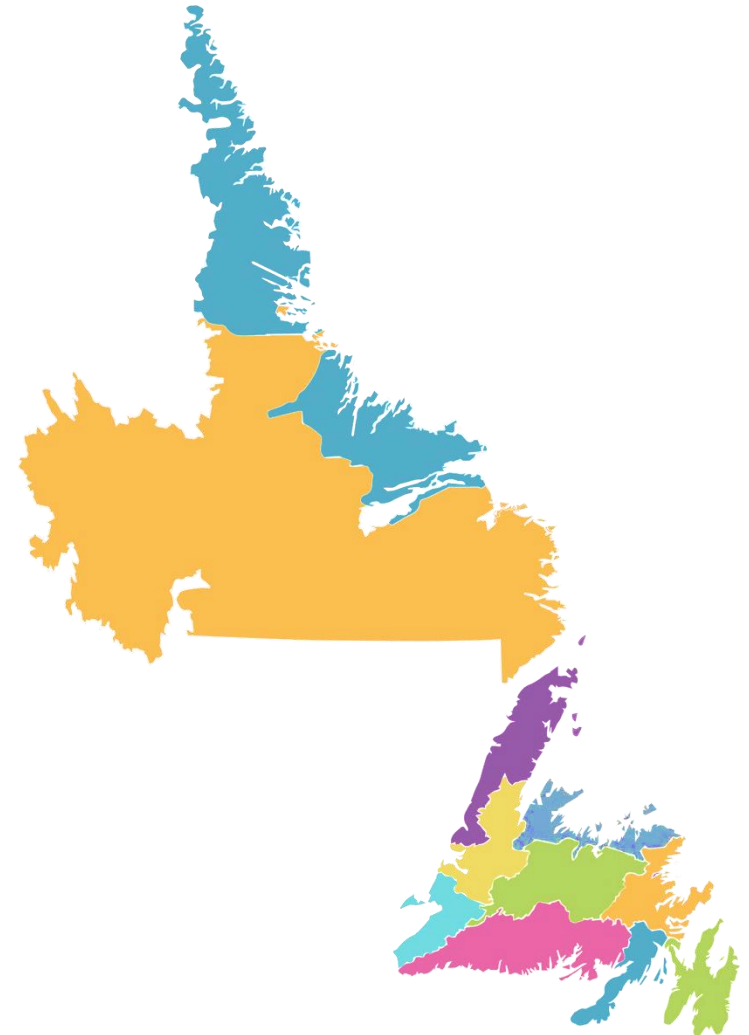


Flooding & Slope movement



Region-specific projected
Climate Data will be provided:

- *Temperature changes*
- *Precipitation changes and storm intensity information*
 - *Inland flooding*
 - *Coastal flooding*
- *Wind changes*
- *Relative sea level rise*
- *Wildfire vulnerabilities*
- *Other data as appropriate*





Hand-out time!

So let's do this...

- A. Note your **Entry Form** for a chance to *waive the \$50 kit fee for your town and a \$50 gift card for YOU!*
- B. Take a couple of minutes to fill out the ***lower section*** of your Climate-Ready NL “*What We’re Seeing in...*” sheet - **use the “Lived Experience” column.**
- C. THEN ***compare notes*** with your neighbours...

Let's get Climate-Ready!



Questions?

Come visit us at the MNL booth!

