Natural Resources Canada – Canadian Forest Service
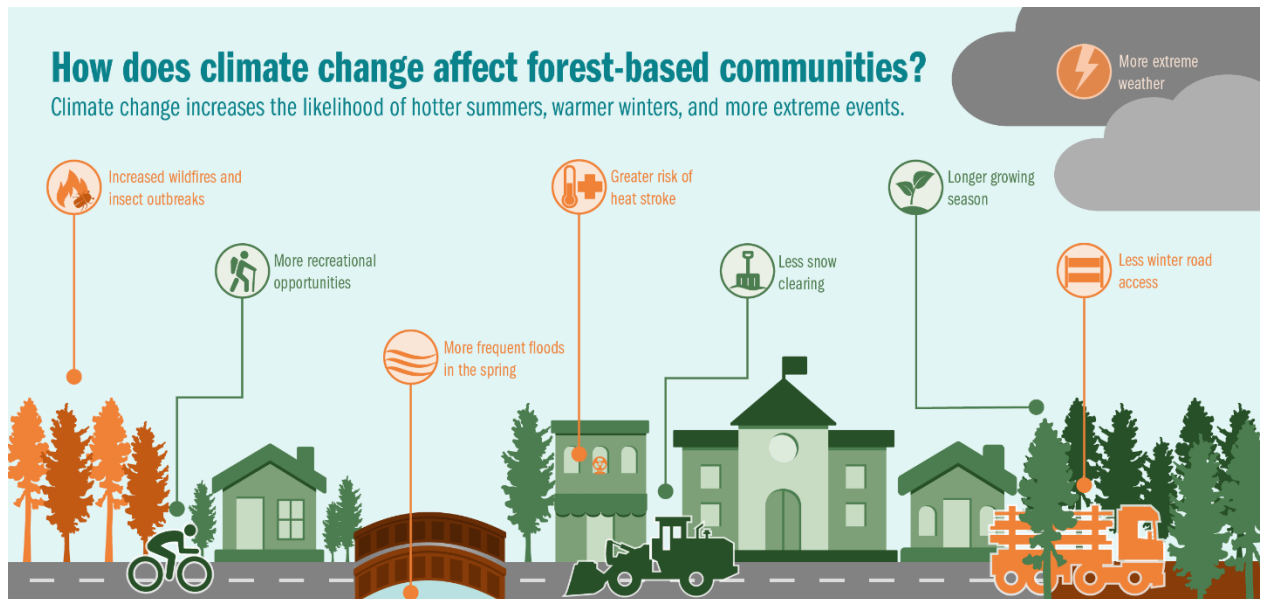
Location: Canada

Project: Pathways to a Climate Resilience Community: A Climate Change Vulnerability Assessment Framework – infographics and figures

Industries: Infographics, Environmental & Natural Sciences, Government

Completion Date: 2020

PROJECT SUMMARY

The Canadian Forest Service engaged Fuse Consulting to review the document, "Pathways to a Climate Resilience Community: A Climate Change Vulnerability Assessment Framework - A Guidebook for Canadian Forest-based Communities," and develop figures to adapt and improve upon existing figures using a unified style, including a full-page roadmap for creating a vulnerability assessment and adaptation plan.

A Roadmap for Creating a Climate Vulnerability Assessment and Adaptation Plan for Forest-based Communities

① Begin the Process
▶ Identify current community plans that could integrate climate resilience thinking
▶ Bring people together to look at the community through a climate change lens
▶ Decide Why, Who, and How to undertake the process and identify the community's goals

Outcome
▶ A team and a workplan

Monitor, Evaluate and Refine
▶ Have the community's vision, goals or objectives changed?

② Understand and Explain Why
▶ Create a community climate change profile using local, traditional, and expert knowledge
   ▶ Current climate
   ▶ Recent climate changes: what events or conditions have stressed the community?
   ▶ Possible future climate changes and how they might affect the community
▶ Educate and engage with the community on the topic of climate change

Outcome
▶ Community climate profile and a plan for education and outreach

Monitor, Evaluate and Refine
▶ Is there new climate information?

③ Identify and Assess Impacts
▶ Identify actual and possible climate change impacts on the environment and their implications for the community
   ▶ Involve relevant community members and experts in the process
   ▶ Consider global climate factors and local non-climate factors

Outcome
▶ Impact summary

Monitor, Evaluate and Refine
▶ Are the impacts different from what was expected?

④ Identify the Highest Priorities
▶ Initial priority scan
   ▶ High priority topics ▶▶ more detailed assessment
▶ Assess the community's adaptive capacity
▶ Decision point: are further assessments and/or adaptation required?
▶ Complete a vulnerability rating for the highest priorities

Outcome
▶ Vulnerability ratings for highest priorities

Monitor, Evaluate and Refine
▶ Has the community's adaptive capacity changed?
▶ Has new information changed the actions or their level of priority?

⑤ Create a Climate Adaptation Action Plan
▶ Identify possible adaptation actions and assign priorities
▶ Develop a plan for implementing these actions

Outcome
▶ Community Climate Adaptation Action Plan and Implementation

Monitor, Evaluate and Refine
▶ Are actions being implemented as planned?
▶ Are they achieving their goals?