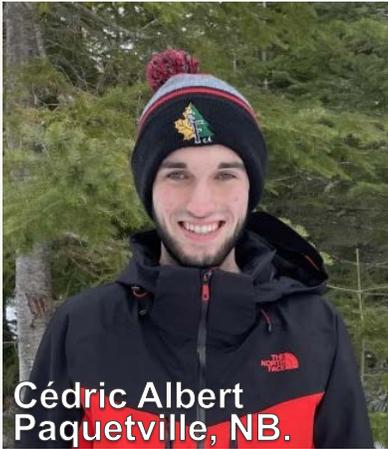


# INCORPORATING CLIMATE CHANGE INTO FOREST PLANNING MODELS



Cédric Albert Paquetville, NB.

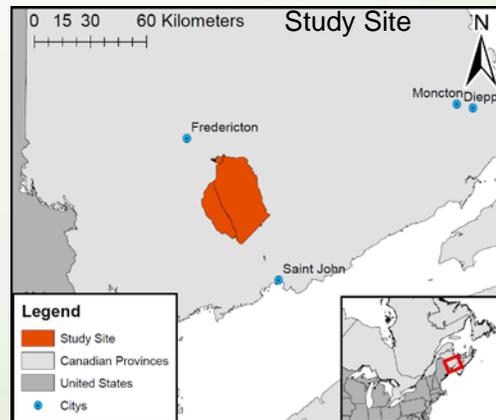
Determining the impact of implementing different **adaptive forest management strategies** today on future **forest function**, human interventions and resilience to future global change scenarios.

1. Literature to propose a silvicultural toolbox for New Brunswick that can improve the capacity of forest management plans to adapt to future changes in climate and in management objectives will be reviewed.

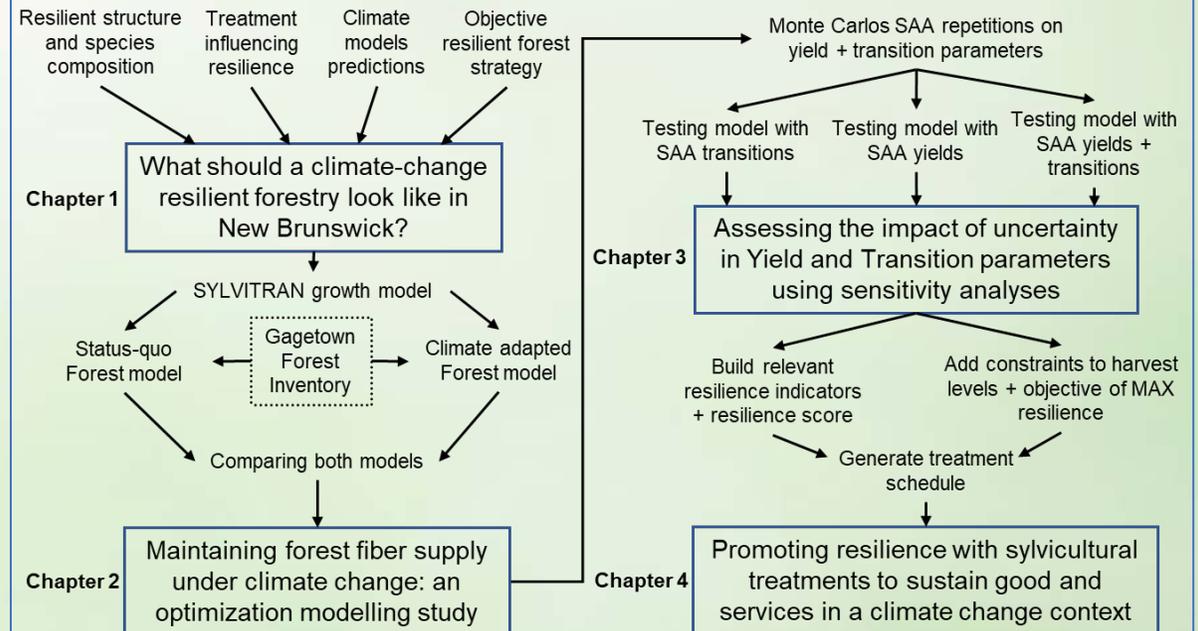
2. Using an optimization software (Woodstock), the Gagetown forest inventory will be used to compare forest functions across status-quo and climate adapted forest models.

3. Working with the sample average approximation, the uncertainty associated with yield and transition parameters used in the forest model will be assessed.

4. Treatments generated with a new forest model created to optimize resilience will be compared with one that has a conventional objective to give tools for a future sustainable forest management.



The project is construct with four interconnected chapters that are described in the following diagram, including each steps to reach project completion:



Supervisor: Loïc D'Orangeville

Research partners: Gagetown 5<sup>th</sup> Division Support Base, Ouranos Climate Center.

Funding: University of Moncton



Objective: Provide an overview of your graduate research, with intent to having it displayed on the FOREM webpage. This is an opportunity to expand awareness of your research, and activities undertaken in the Faculty.

Instructions:

- Submit an overview of your research as a 1-page ppt slide by email, **to me** (not Faith) by **March 21, 2021**
- **Do not make it a jpeg or pdf**, etc.. because I may need to edit for format etc.. before getting it onto the webpage
- Slide needs to be high quality, professional level work with legible text, in-focus pictures/figures, proper spelling and grammar, no use of slang etc..
- Reference citations are ok but just 1-2 – this is not a conference poster
- Slides need to look similar and therefore you need to follow the format below:

Format:

Photo: one where we can see your face!

Title: Arial, font size 28

All other text is Arial, font size 14

Add text appropriate to the box theme (see sample slide)

Do not change the configuration of the boxes

Add any figures on top of the existing boxes

Choose a background colour as you please but ensure text can be read, etc..

Failure to follow above instructions means you must resubmit, until accepted by me (i.e., if you want to pass the Seminar course 😊 )