

DOES TEMPERATE FOREST WILL MIGRATE FASTER ENOUGH TO TRACK CLIMATE CHANGE ?

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Quantifying and mapping the impact of climate change
on forest productivity in Eastern Canada

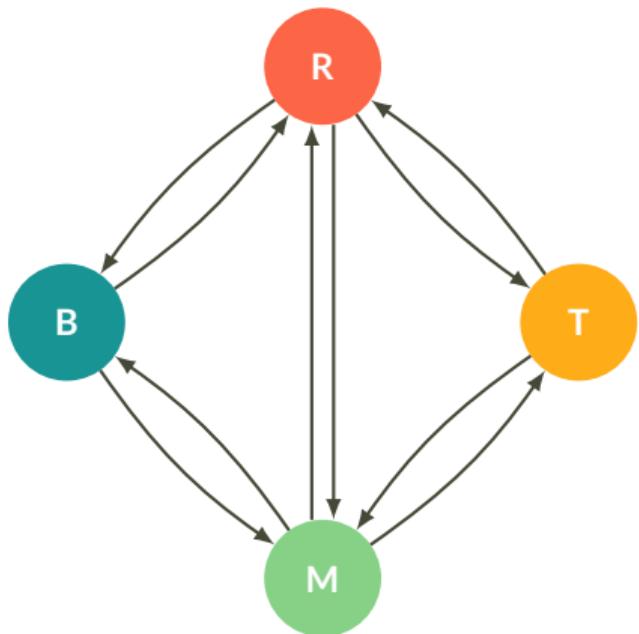


CONTEXT THE BOREAL-TEMPERATE ECOTONE

The surface of the boreal-temperate forests ecotone is **expected to shift over the next 100 years**.



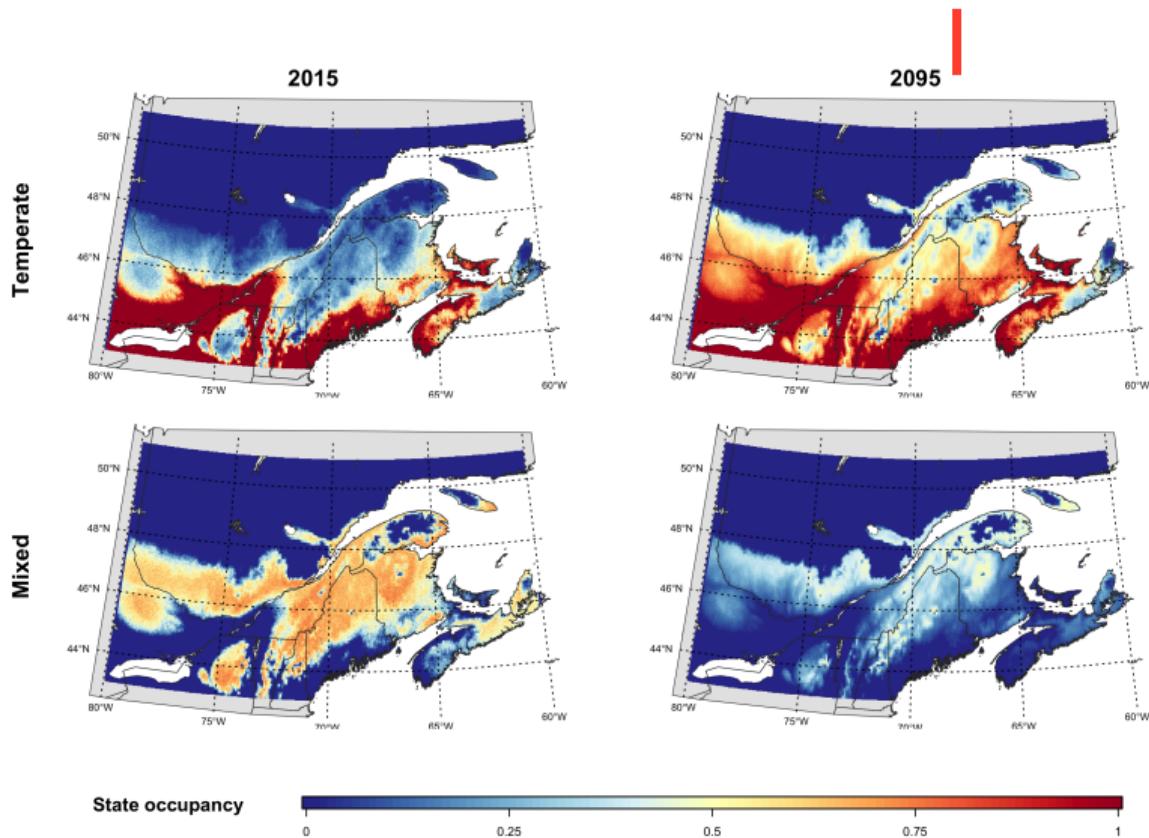
MODEL APPROACH STATES AND TRANSITIONS MODEL



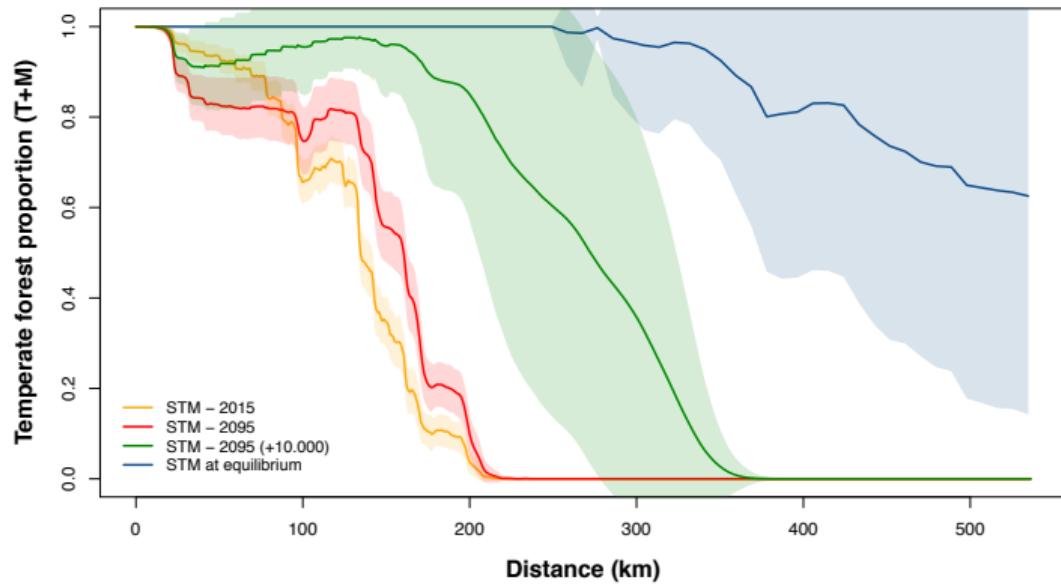
Model Description

- Landscape scale
- 4 States:
 - **T**, Temperate
 - **B**, Boreal
 - **M**, Mixed
 - **R**, corresponds to a post-disturbance
- Spatially explicit and stochastic model

RESULTS FUTURE STATE DISTRIBUTION PREDICTED



RESULTS DEMOGRAPHY MATTER



ACKNOWLEDGEMENTS



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