About Us
Fueled by a fundamental belief that forests are critical to mitigating climate change, Finite Carbon incentivizes the protection, restoration, and sustainable management of forests by connecting landowners to the global carbon market.

With a focus on scale, we have delivered more than $800 million to landowners who have made long-term commitments to sustainable forest management on more than 3 million acres since 2009. We aim to deliver a further $1 billion to landowners by 2030. Our recently announced web-based platform, CORE Carbon, leverages satellite data and machine learning to democratize the carbon market and empower small landowners, non-profits, and communities across the globe to receive payments for implementing forest practices that store carbon.

In November 2020, Finite Carbon became a bp Launchpad portfolio company, which gives us access to significant resources to support our ambitious growth plans.

About the Role
We are looking for a forest biometrician who is passionate about helping to fight climate change. This position will work on a small team of scientists to build advanced forest analytics and to leverage remote sensing and field inventory data sets. You will partner with a diverse set of internal stakeholders to develop tools to incentivize forest conservation and biological carbon sequestration. You will help build next generation tools to streamline processing of inventory datasets and provide insight into forest stocks and growth.

What You’ll Do
• Collaborate with team members to build models and data pipelines at scale with a focus on Canadian forests.
• Design and test modeling frameworks to generate high accuracy estimates of forest carbon stocks at multiple geographical scales and across multiple regions.
• Build tools to expand access to forest carbon offset revenue streams for small and large landowners.
• Utilize forest growth and yield models for the development of forest carbon offset projects: apply sound biometric principles and knowledge of forest stand dynamics and common silvicultural practices to create realistic long-term projections of forest carbon.
• Conduct statistical analysis of forest inventory and related data using industry standard approaches and software.
• Design and evaluate forest inventories and sampling protocols for estimation of carbon and other forest inventory variables.
What You’ll Bring

- Masters or Ph.D. in Forestry with a focus on biometrics, growth and yield modeling, and statistics.
- Fluency with sampling design, and regression analysis, multivariate analysis, variance estimation.
- 3+ years of experience working with forest inventory data.
- 5+ years of experience working with either Python or R and experience writing SQL queries.
- Strong problem-solving skills and experience applying creative approaches to difficult problems.
- Familiarity and experience working with the CFS-CBM3 carbon model.
- Experience working with one or more Canadian growth and yield models – FVS equivalents (PrognosisBC, FVS-ACD, FVSONtario), Open Stand Model, TASS, GYPSY, MGM, NATURE2014, etc.
- Familiarity with Canadian National Forest Inventory (NFI) and provincial inventory systems (e.g., SFVI, AVI, FRI).
- Familiarity with typical Canadian silvicultural and forest management practices.
- Strong written and oral communication skills and the ability to work remotely and collaborate with a remote team.
- A passion to work on mitigating climate change - one of the world’s most pressing problems.

Nice to Have Skills or Experience

- Familiarity with forest carbon offset programs and principles.
- Experience with geospatial and remote sensing analyses and datasets using R or Python packages.
- Experience working with and creating harvest optimization tools.
- Experience working in cloud computing environments and creating modular and reusable code.
- Experience working with git and collaborating on code development.
Benefits and Perks

- 🤑 Competitive Pay
- 🏥 100% monthly medical premium paid for you and your dependents
- Dental, Life insurance, Vision, Short-term, & Long-term Disability
- 🌴 Paid Time Off
- Flexible schedule
- 🌐 WFH set-up budget
- 🏡 Annual in-person company meeting

Please note: Location is flexible within Canada. This is a fully remote role.

Finite Carbon is an equal opportunity employer. At Finite Carbon, we are committed to providing an environment of mutual respect where equal employment opportunities are available to all applicants and teammates without regard to race, color, religion, sex, national origin, age, marital status, military and veteran status, and any other characteristic protected by applicable law. Finite Carbon believes that diversity and inclusion among our teammates is critical to our success.