Contract opportunity: Forest Carbon Modeler

The Nature Conservancy and its Canadian affiliate, Nature United, are seeking a forest carbon modeler to provide technical and scientific support for a research effort to quantify Natural Climate Solutions, i.e. actions that can capitalize on the potential of natural systems to mitigate climate change while continuing to provide benefits for people and nature. This complex research initiative involves a variety of research partners from academia, non-profit and government sectors. The contract offers an excellent opportunity to engage with some of Canada's leading experts in forest carbon dynamics and biodiversity conservation. The work is expected to take approximately 6 months and the candidate should have flexibility to spend extended time in Victoria, Edmonton or Toronto (Canada) to conduct analyses. The forest carbon modeler reports to the Forest Ecologist at Nature United but will also work with Carbon Scientists at Canadian Forest Service. Preferably a Canadian citizen.

RESPONSIBILITIES & SCOPE

- Prepare data inputs, parameterize and execute climate change mitigation scenarios using a forest carbon dynamics model and harvested wood products framework.
- Document and deliver detailed model results and scenario details to project partners.

MINIMUM QUALIFICATIONS

- Master's Degree in computer science, quantitative environmental science, forestry or a related field and 2 years of experience or equivalent combination of education and experience.
- Experience with forest ecosystem modeling and data manipulation.
- Experience synthesizing, interpreting and communicating scientific information and preparation of findings.
- Experience working with cross-functional teams.

DESIRED QUALIFICATIONS

- Experience working with the Carbon Budget Model of the Canadian Forest Sector (CBM-CFS3).
- PhD in quantitative environmental science or a related field.
- Strong knowledge of GIS, and experience working with SQL, Python, and statistical software.
- Attention to detail.
- Ability to meet deadlines.
- Record of peer-reviewed publications in scientific journals.
- Experience working and communicating with a wide range of people.

Please contact Dr Ronnie Drever for details at cdrever@tnc.org.