Postdoc in Montréal, Québec and Victoria, British Columbia (immediate start [April, 2022])

We are looking for a highly motivated postdoctoral researcher working on a project at the interface of deep learning and land surface modelling:

https://ivado.ca/en/strategic-research-funding-program/program-2/

As part of an interdisciplinary team with expertise in artificial intelligence (McGill University, Polytechnique Montréal), biodiversity, carbon cycle science, and land surface-atmosphere interactions (Université de Montréal), the postdoc will explore, develop, and implement deep learning surrogates for several process-based formulations in the Canadian Land Surface Scheme including Biogeochemical Cycles (CLASSIC) calling for improvement (e.g., vegetation phenology). Funded through the Institute for Data Valorisation (IVADO), the two-year position is primarily based in Montréal, Québec with regular research visits in Victoria, British Columbia. Montréal is home of several research-intensive universities and research clusters, including a vibrant artificial intelligence community centered on Mila - Quebec AI Institute. Collectively, these world-renowned institutions provide ample career development and collaboration opportunities. A competitive salary for this position is based on the candidate's experience.

Ideal applicants for all this postdoc position have
1) a strong quantitative background obtained through a PhD (for Postdoc) in computer science, mathematics, ecology, software engineering, ecology, Earth system science, etc.,
2) in at least some aspects of the project (e.g., deep learning, land surface modelling),
3) the ability to work independently and effectively as part of a team setting consisting of university and government researchers, and
4) excellent written and oral communication skills in English, and
5) a track record of timely completion of projects and publications.

Please email questions regarding the postdoc position consisting of cover letter, curriculum vitae, and 2-3 representative scientific publications, and names and contact information of at least two referees to:

oliver.sonnentag@umontreal.ca (Université de Montréal)

joe.melton@ec.gc.ca (Environment and Climate Change Canada)

etienne.laliberte@umontreal.ca (Université de Montréal)

anne.bruneau@umontreal.ca (Université de Montréal)

drolnick@cs.mcgill.ca (McGill University)

christopher.pal@polymtl.ca (Polytechnique Montréal)

The review of applications will commence immediately until the position is filled.