



A Compiled List of Technical and Research Publications Involving the Carbon Budget Model of the Canadian Forest Sector (2025)

The [Carbon Budget Model of the Canadian Forest Sector \(CBM-CFS3\)](#) was developed by Natural Resources Canada's Canadian Forest Service to meet the operational-scale, forest carbon accounting needs of forest managers and analysts across Canada. The CBM-CFS3 is a stand and landscape-level modelling framework that can be used to simulate the dynamics of all forest carbon stocks required under the United Nations Framework Convention on Climate Change (UNFCCC). It is compliant with the carbon estimation methods outlined in the 2003 Intergovernmental Panel on Climate Change (IPCC) [Good Practice Guidance for Land Use, Land-Use Change and Forestry](#), and [2006 IPCC Guidelines for National Greenhouse Gas Inventories](#).

This document presents a list of technical and research publications involving the CBM-CFS3. Publications are listed by the country, economic/political union where the document was published, or where the CBM-CFS3 was applied. This list of publications as of January 2025 is extensive, but not complete. Researchers are encouraged to forward citations for other research publications that involve the application of the CBM-CFS3 to [Stephen Kull](#), Outreach Forester, Carbon at the Canadian Forest Service.

CANADA

Amichev, B.; Bentham, M.J.; Kurz, W.A.; Laroque, C.P.; Kulshreshtha, S.; Piwowar, J. M.; Van Rees, K.C.J. 2016. [Carbon sequestration by white spruce shelterbelts in Saskatchewan, Canada: 3PG and CBM-CFS3 model simulations](#). *Ecological Modelling*, 325: 35–46

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