



Liste de publications techniques et de recherche liées aux modèles du bilan du carbone (MBC-SFC3 et MGBC) mis au point par le Service canadien des forêts (2026)

Le Service canadien des forêts de Ressources naturelles Canada a élaboré le [Modèle du bilan du carbone du secteur forestier canadien \(MBC-SFC3\)](#) et le [Modèle générique du bilan du carbone \(MGBC\)](#) afin de répondre aux besoins de comptabilisation du carbone forestier à l'échelle opérationnelle qu'ont les aménagistes et analystes forestiers à travers le Canada. Les deux modèles sont des cadres de modélisation à l'échelle du peuplement et du paysage qui peuvent servir à simuler la dynamique des stocks de carbone forestier exigés en vertu de la Convention-cadre des Nations Unies sur les changements climatiques (CCNUCC). Ils se conforment aux méthodes d'estimation décrites dans le rapport de 2003 du Groupe d'experts intergouvernemental sur l'évolution du climat (GIEC) intitulé [Recommandations en matière de bonnes pratiques pour le secteur de l'utilisation des terres, changements d'affectation des terres et foresterie](#) ainsi que les [Lignes directrices 2006 du GIEC pour les inventaires nationaux de gaz à effet de serre](#).

Le présent document propose une liste de publications techniques et de recherche liées au deux modèles. Les publications sont classées par pays ou union économique ou politique où l'on a publié le document, ou selon l'endroit où le modèle fut mis en œuvre. En date de janvier 2026, la liste est longue, mais pas exhaustive. Les chercheurs sont encouragés à transmettre toute publication de recherche qui comprend l'utilisation du de l'un ou l'autre modèle à [Stephen Kull](#), Agent de liaison en foresterie (carbone) au Service canadien des forêts.

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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* Publication liée au MBC-SFC3

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