

SEEFOR 17(2): 26020

DOI: <https://doi.org/10.15177/see-for.26-020>

Article ID: 26020

REVIEW PAPER**Sink, Source, or Equilibrium? Observation Length and Measurement Method Shape Reported Carbon Balance in Old-Growth Forests****Éva Király^{1,*}, Gábor Illés¹, Kinga Raszpovits-Esztó¹ and Attila Borovics¹****Addresses:** (1) University of Sopron, Forest Research Institute, Várkerület 30/A, H-9600 Sárvár, Hungary*** Correspondence:** e-mail: kiraly.eva.ilona@uni-sopron.hu**SUPPLEMENTARY MATERIAL S2 – STUDY SCREENING AND DATA EXTRACTION TABLE**

Supplementary Material S2 presents the full study screening and data-extraction table used in this review. For each retrieved publication, the table documents screening decisions at the abstract and full-text levels, as well as extracted information on biome, forest type, methodological approach, carbon pools considered, carbon balance metrics, reported net carbon balance, temporal coverage, disturbance regime, and additional notes relevant to interpretation.

Review articles included in the final corpus are identified in the table and were used exclusively for contextual and conceptual synthesis.

Data-Extraction Framework

All retrieved publications were screened and documented using a structured data-extraction table to ensure transparent and consistent study selection and synthesis. The table records bibliographic information, screening decisions at the abstract and full-text levels, ecological context (biome and forest type), methodological characteristics (method, carbon pools, and carbon balance metric), reported net carbon balance (sink, near-equilibrium, or source), temporal coverage, disturbance regime, and study-specific notes.

This framework provides the basis for stratified qualitative synthesis across forest types, biomes, methodological approaches, and disturbance conditions and serves as methodological evidence underpinning the review's conclusions.

Table S2. Study screening and data-extraction table (structure).

Table column	Purpose in review
Nr	Internal study identifier
Citation / Year	Bibliographic reference
Abstract / Full text	Screening decisions (include/exclude)
Biome	Stratification of results
Forest type	Old-growth / primary / unmanaged / mature
Method	Eddy covariance, inventory, hybrid
C pools	Aboveground, belowground, deadwood, soil
Metric	NEE, NEP, NBP, stock change
Net balance	Sink / equilibrium / source
Time span	Length of observation period
Disturbance	Presence/absence and type
Notes	Contextual or methodological remarks