

Tab. 21.1: Comparison of NEP from process studies and inventories and from direct measurements. The Waldstein measurements are not made on the same plot. The present work refers to the Coulissenhieb (Cou) while the eddy covariance measurements were made at Weidenbrunnen (Wei) stand nearby. At Åheden the eddy covariance data refer to the Flakaliden (Fla) site which is a younger stand in the same region. Incub.: refers to the incubation method and ^{14}C to the ^{14}C -bomb-method to determine C mineralisation.

Site	NEP from NPP and mineralisation [tC ha ⁻¹ y ⁻¹] Incub. ^{14}C		NEE from eddy covariance flux measurements [tC ha ⁻¹ y ⁻¹]	NBP from litter fall and mineralisation [tC ha ⁻¹ y ⁻¹] Incub. ^{14}C	
Colleongo	5.1	5.7	4.7 (1993/94) to 6.6 (1996/97)	1.91	2.54
Waldstein	5.6	5.8 (Cou)	0.77 (1997/98) (Wie)	2.28	2.49 (Cou)
Åheden	2.0	2.9 (Åhe)	1.93 (1997) (Fla)	0.40	1.36 (Åhe)