LITTERFALL EXCEEDS MODELING INPUTS FOR SOIL CARBON STOCK CHANGE

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Precise litter input estimates are needed for solution Litter inputs are typically estimated using regionally a We tested the foliar turnover rates estimated from lo

	Table 7.2-3 Litter production rates and Lehtonen 2004, Starr et al. 200: organic soils is based on measureme	
	Tree species	Needles
	pine, south	0.245
	pine, north	0.154
	pine, drained peatlands	0.33
	spruce, south	0.1
\$	spruce, north	0.05
1	deciduous, south	0.79
	deciduous, north	0.79

Statistics Finland

Turnover rates decreased with latitude. Our pine and spruce estimates were larger than current foliar turnover rates used in Finland; whereas birch estimates were similar if latitude was included in a biomass model.

Disagreement between methods may indicate forests in a transition phase and/or effects of method uncertainties (cohorts' defoliation, nutrients resorption, biomass models)

in models serving national green ouse gas inventories. Reraged and specific biomass turnover rates. Ing-term measurements by two methods.

