

















Carbon stock changes in soil											
Growth conditions	Dominant species	0-10 cm	10-20 cm	20-40 cm	40-80 cm	Total					
Drained forest	Norway spruce	80.4	70.4	133.0	248.9	537.0					
	Scots pine	65.5	63.1	116.9	226.0	477.5					
	Average	74.4	67.5	126.6	239.7	513.2					
Transitional bog	Norway spruce	35.3	31.7	61.0	174.6	302.6					
	Scots pine	39.3	38.3	83.5	196.6	357.6					
	Average	38.0	36.1	76.0	189.3	339.3					
 Carbon stock in soil increased significantly after drainage, even if the upper 25.7 cm layer is considered to have zero carbon. The increase of carbon stock in all pools is 106 tons ha⁻¹ (corresponding to removals of 7.6 tons CO₂ ha⁻¹ annually). 											





























Current status and costs of establishment											
Variant	Height, m	Dian c	neter, m	Number trees per	r of r ha	Average tree, m ³	Stock, m ³ ha ⁻¹				
Sludge, birch planted	6,44	6,44		2225		0,00	8 18,68				
Sludge, birch natural	5,78		3,9	2	4825	0,00	4 20,04				
Sludge, pine	4,05	4,05		3633		0,00	8 28,97				
NPK, birch planted	4,01		4,3	2633		0,00	4 9,73				
NPK, birch natural	4,21	4,21		4633		0,00	2 8,56				
NPK, pine	2,96	2,96		3133		0,00	2 5,97				
Position	Unit	Units		Number of units		st of unit	Total cost				
Spreading of sludge	ha	ha		1		€ 350,00	€ 350,00				
Seedlings	number	number		2000		€ 0,09	€ 170,00				
Planting	ha	ha		1		€ 260,00	€ 260,00				
Tending (twice)	ha	ha		1		€ 260,00	€ 260,00				
Total establishment cost							€ 1 040,00				





