

Supplementary Material

Tab. S1 - Virgin stands development phases (Mayer 1976).

Characteristics	Optimum phase	Ageing phase	Breakdown and dieback phase	Rejuvenation phase
Number of trees	Large, with small DBH	Large, with average DBH	Low with large DBH	Very low, with small and average DBH
Basal area	Fast growth	Low growth	Maximum growth	Decreasing growth
Volume	Low with fast growth	Large	Maximum	Decreased, decay of upperstorey
Growth	Large	Reduction for diameter and large growth for volume	Minimum for diameter and large growth for volume	Large growth for diameter and reduce for volume
Stand storeyed	optimal	One storied stand	One storied stand	Multi storied stand
Vitality	High	Starting to decrease	Decreased	Very decreased upperstorey
Mortality	Relative reduced	Low for middlestorey and understorey	Relative reduced for upperstorey	reduced
Stand structure	Trees with even age	Trees with relative uneven age	Trees with relative uneven age	Trees with uneven age
Stand stability	Large	Large	Decreased	Very low
Regeneration	reduced	reduced	reduced	Start of regeneration

Tab. S3 - Species distribution in relation with age.

Age	Number of trees			
	Fir	Beech	Spruce	Total
20	1	2	-	3
40	6	14	4	24
60	12	25	3	40
80	22	64	7	93
100	11	42	3	56
120	10	33	5	48
140	7	24	3	34
160	4	14	4	22
180	6	10	1	17
200	3	4	5	12
220	3	4	3	10
240	2	8	-	10
260	4	4	2	10
280	3	4	1	8
300	-	2	-	2
320	-	3	-	3
340	2	1	1	4
380	-	1	-	1
Total	96	259	42	397