

Annex 1. *Populus x euroamericana*.

Quantifier (Q)	j	Ordered criterion values z_{ij}	Reordered criterion weights u_j	$(\sum_{k=1}^j u_k)^\alpha$	$(\sum_{k=1}^j u_k)^\alpha - (\sum_{k=1}^{j-1} u_k)^\alpha$
All, $\alpha \rightarrow \infty$	Elevation	0.943	0.024	0.000	0.000
	Soil depth	0.934	0.165	0.000	0.000
	Mean temperature in the coldest month	0.839	0.035	0.000	0.000
	Soil reaction	0.782	0.114	0.000	0.000
	Mean annual temperature	0.778	0.035	0.000	0.000
	Carbonates	0.499	0.238	0.000	0.000
	Soil texture	0.455	0.238	0.000	0.000
	Average annual precipitation	0.449	0.053	0.000	0.000
	Slope	0.330	0.018	0.000	0.000
	Average precipitation in summer months	0.020	0.079	1.000	1.000
	Σ			1.000	
Almost all, $\alpha=10$	Elevation	0.943	0.024	0.000	0.000
	Soil depth	0.934	0.165	0.000	0.000
	Mean temperature in the coldest month	0.839	0.035	0.000	0.000
	Soil reaction	0.782	0.114	0.000	0.000
	Mean annual temperature	0.778	0.035	0.000	0.000
	Carbonates	0.499	0.238	0.007	0.007
	Soil texture	0.455	0.238	0.197	0.190
	Average annual precipitation	0.449	0.053	0.362	0.165
	Slope	0.330	0.018	0.441	0.078
	Average precipitation in summer months	0.020	0.079	1.000	0.559
	Σ			1.000	

Most, $\alpha=2$	Elevation	0.943	0.024	0.001	0.001
	Soil depth	0.934	0.165	0.036	0.035
	Mean temperature in the coldest month	0.839	0.035	0.050	0.015
	Soil reaction	0.782	0.114	0.115	0.064
	Mean annual temperature	0.778	0.035	0.140	0.025
	Carbonates	0.499	0.238	0.375	0.235
	Soil texture	0.455	0.238	0.723	0.348
	Average annual precipitation	0.449	0.053	0.816	0.094
	Slope	0.330	0.018	0.849	0.032
	Average precipitation in summer months	0.020	0.079	1.000	0.151
	Σ		1.000		1.000
Half, $\alpha=1$	Elevation	0.943	0.024	0.024	0.024
	Soil depth	0.934	0.165	0.189	0.165
	Mean temperature in the coldest month	0.839	0.035	0.224	0.035
	Soil reaction	0.782	0.114	0.339	0.114
	Mean annual temperature	0.778	0.035	0.374	0.035
	Carbonates	0.499	0.238	0.612	0.238
	Soil texture	0.455	0.238	0.850	0.238
	Average annual precipitation	0.449	0.053	0.904	0.053
	Slope	0.330	0.018	0.921	0.018
	Average precipitation in summer months	0.020	0.079	1.000	0.079
	Σ		1.000		1.000
A few, $\alpha=0.5$	Elevation	0.943	0.024	0.156	0.156
	Soil depth	0.934	0.165	0.435	0.279
	Mean temperature in the coldest month	0.839	0.035	0.473	0.039
	Soil reaction	0.782	0.114	0.582	0.108

	Mean annual temperature	0.778	0.035	0.611	0.030
	Carbonates	0.499	0.238	0.782	0.171
	Soil texture	0.455	0.238	0.922	0.140
	Average annual precipitation	0.449	0.053	0.951	0.029
	Slope	0.330	0.018	0.960	0.009
	Average precipitation in summer months	0.020	0.079	1.000	0.040
	Σ		1.000		1.000
At least a few, $\alpha=0.1$	Elevation	0.943	0.024	0.689	0.689
	Soil depth	0.934	0.165	0.846	0.157
	Mean temperature in the coldest month	0.839	0.035	0.861	0.015
	Soil reaction	0.782	0.114	0.897	0.036
	Mean annual temperature	0.778	0.035	0.906	0.009
	Carbonates	0.499	0.238	0.952	0.046
	Soil texture	0.455	0.238	0.984	0.032
	Average annual precipitation	0.449	0.053	0.990	0.006
	Slope	0.330	0.018	0.992	0.002
	Average precipitation in summer months	0.020	0.079	1.000	0.008
	Σ		1.000		1.000
At least one, $\alpha \rightarrow 0$	Elevation	0.943	0.024	1.000	1.000
	Soil depth	0.934	0.165	1.000	0.000
	Mean temperature in the coldest month	0.839	0.035	1.000	0.000
	Soil reaction	0.782	0.114	1.000	0.000
	Mean annual temperature	0.778	0.035	1.000	0.000
	Carbonates	0.499	0.238	1.000	0.000
	Soil texture	0.455	0.238	1.000	0.000
	Average annual precipitation	0.449	0.053	1.000	0.000

	Slope	0.330	0.018	1.000	0.000
	Average precipitation in summer months	0.020	0.079	1.000	0.000
	Σ		1.000		1.000

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