

## Using lidar to assess the development of structural diversity in forests undergoing passive rewilding in temperate Northern Europe

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*Table S6. Eigenvectors of the first five axes of PCA\_30m.*

Metrics\Akse	PC1	PC2	PC3	PC4	PC5
Proportion of Variance	0.428	0.254	0.109	0.053	0.036
Cumulative Proportion	0.428	0.682	0.791	0.843	0.880
CanopyCover	-0.115	0.198	<b>-0.341</b>	<b>0.373</b>	<b>-0.203</b>
CanopyHeight	<b>-0.271</b>	0.117	0.083	0.046	<b>0.249</b>
Percentile50_FirstReturn	-0.150	-0.290	-0.089	-0.047	<b>-0.321</b>
Percentile75_FirstReturn	<b>-0.270</b>	-0.102	0.063	0.051	-0.185
Percentile95_FirstReturn	<b>-0.287</b>	0.076	0.087	0.071	0.182
GROUND	-0.007	<b>0.296</b>	<b>-0.233</b>	<b>-0.365</b>	0.009
Percentile50_All	-0.054	<b>-0.256</b>	<b>-0.210</b>	0.092	<b>0.222</b>
Percentile75_All	<b>-0.201</b>	<b>-0.243</b>	-0.075	-0.034	<b>-0.337</b>
Percentile90_All	<b>-0.297</b>	-0.027	0.056	0.004	-0.015
Percentile95_All	<b>-0.295</b>	0.045	0.076	0.021	0.113
Height_(Z-Range)	<b>-0.271</b>	0.117	0.081	0.051	<b>0.252</b>
Int.MEAN_above1m	-0.032	<b>0.294</b>	<b>-0.242</b>	-0.133	-0.022
Intensity_Skewness	0.016	-0.102	<b>-0.387</b>	0.093	<b>0.408</b>
MeanHeight_FirstReturn_above1m	<b>-0.278</b>	-0.084	-0.013	<b>-0.211</b>	-0.057
Percent_SecondReturns	-0.176	0.150	<b>-0.206</b>	<b>0.360</b>	-0.036
Percentile05_ExclGround	0.021	<b>-0.298</b>	<b>-0.264</b>	-0.062	<b>0.289</b>
Percentile10_ExclGround	-0.008	<b>-0.308</b>	<b>-0.296</b>	-0.099	<b>0.203</b>
Percentile25_ExclGround	-0.075	<b>-0.289</b>	<b>-0.256</b>	-0.189	-0.031
Percentile50_ExclGround	<b>-0.233</b>	-0.179	-0.029	<b>-0.235</b>	<b>-0.241</b>
Percentile75_ExclGround	<b>-0.287</b>	-0.051	0.090	-0.132	-0.046
Percentile90_ExclGround	<b>-0.291</b>	0.035	0.117	-0.031	0.153
Percentile95_ExclGround	<b>-0.285</b>	0.063	0.115	0.010	<b>0.209</b>
RelativeMeanHeight_All	-0.139	0.135	<b>-0.356</b>	<b>0.370</b>	<b>-0.244</b>
RelativeMeanHeight_above1m	-0.064	<b>0.306</b>	<b>-0.206</b>	<b>-0.372</b>	-0.055
STRATUM1	-0.042	<b>0.270</b>	<b>-0.244</b>	<b>-0.325</b>	-0.013

*The explained variance and eigenvectors for the first five axes of PCA\_30m based on 25 lidar metrics computed in 30-meter cells in three managed forests and seven zones of Vorskø (a total of 1002 cells). Loadings above 0.2 are highlighted in red. It is important to note that the PCA\_30m is based on the SD value between each cell (10 × 10-meters) and the eight surrounding cells, which has afterwards been collapsed into 30 × 30-meters cells. This means that the input is not the values of the original metrics listed in Table S1.*