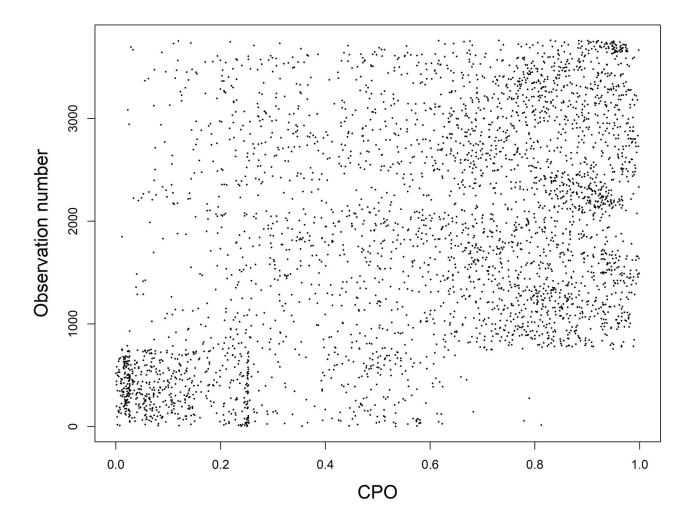
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## **Supplementary Material**

**Fig. S1** - To quantify the predictive accuracy of the model, leave-one-out cross-validation served as another factor for model selection. It was defined as the posterior probability of an omitted observation, taking into account all other data for the model fit. High values indicate a good fit of the model to the observed data. CPO values are presented in dot plots and the mean log CPO value (LCPO) was calculated as a measure of summary of values. Lower values of LCPO indicate a better fit of the model. The mean logarithm CPO value is about 0.8344.



Axer M, Martens S, Schlicht R, Eisenhauer D-R, Wagner S (2023). **Modelling natural regeneration of Oak in Saxony, Germany: identifying factors influencing the occurrence and density of regeneration** 

iForest – Biogeosciences and Forestry – doi: 10.3832/ifor4064-015

**Tab. S1** - Presentation of the validation indicators for the different size classes.

Variable	Value	
Model	В0	
WAIC	3351	
AUC	0.784	
Sum LCPO	3139	
mean LCPO	0.8344	
RMSE	3,01	
Е	-0.1703	