Figure 1: *Fagus sylvatica fitness maps as predicted by GAM, Lasso GLM and MaxEnt models with default predictors (respectively A, C, E) and custom predictors (respectively B, D, F). Calibration data was* ***presence-only data****.*.

Figure 2: *Fagus sylvatica fitness maps as predicted by Random Forest, Boosted Regression Tree, Biomod and Custom Ensemble models with default predictors (respectively A, C, E, G) and custom predictors (respectively B, D, F, H). Calibration data was* ***presence-only data.***.

Figure 3: *Fagus sylvatica fitness maps as predicted by GAM, Lasso GLM Random Forest and Boosted Regression Tree models with default predictors (respectively A, C, E, G) and custom predictors (respectively B, D, F, H). Calibration data was* ***presence/pseudo-absence data****.*