

PHENOFIT parametrization of *Q. petraea*

1. Insights on the model performance

- Species : *Quercus petraea* (J. Gauzere parametrization)
- Discrimination metric: AUC on all presence/absence points = 0.678
- Reliability metric: Boyce index on all presence points = -0.205, -0.154, -0.088 (*Spearman, Pearson, Kendall*)

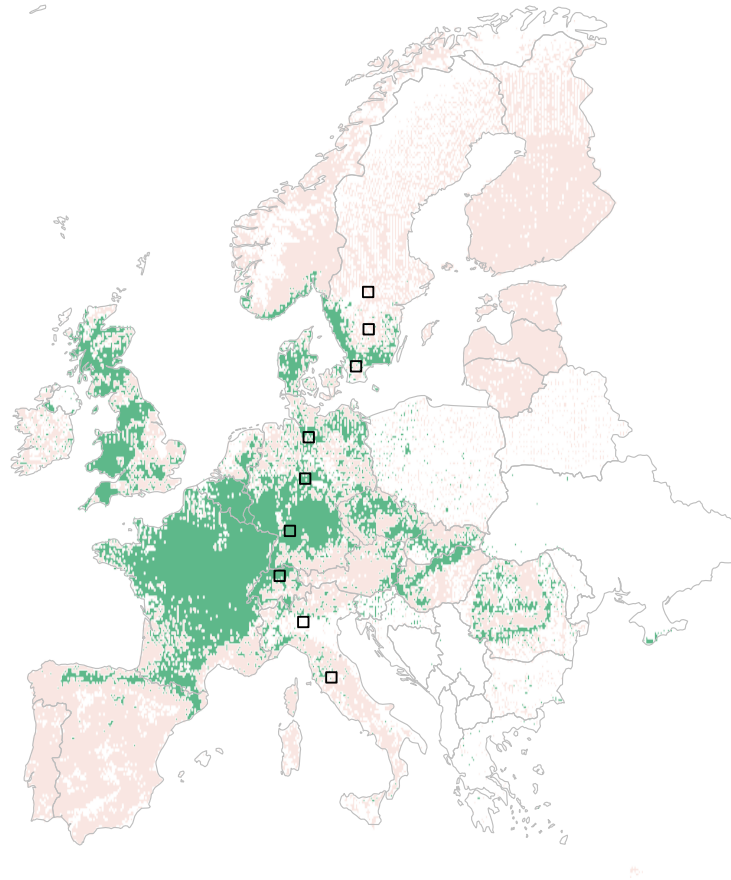


Figure 1: Species points: presence in green and absence in orange.

2. Simulation at European scale

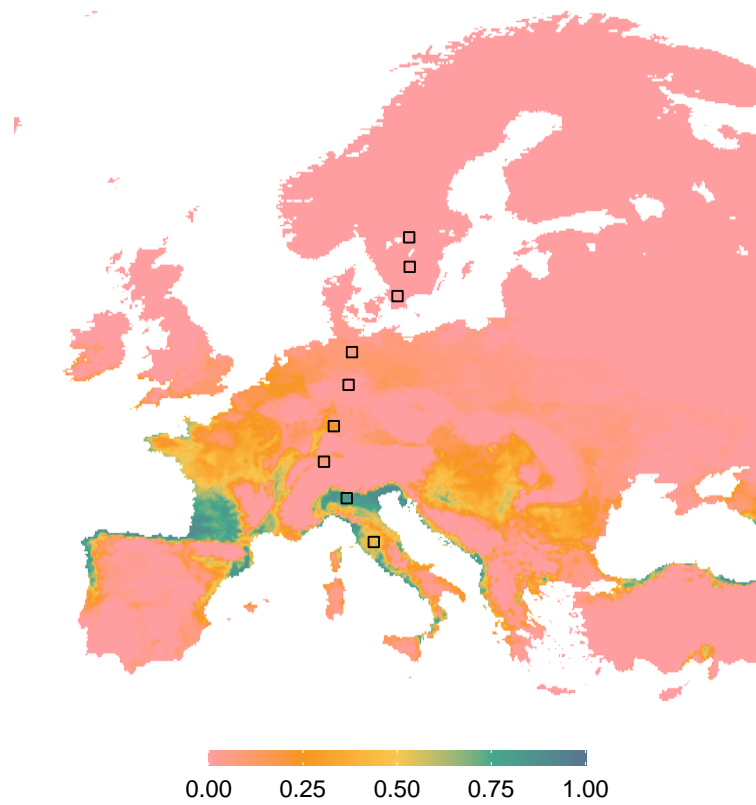


Figure 2: *Fitness map with forward parameter set*

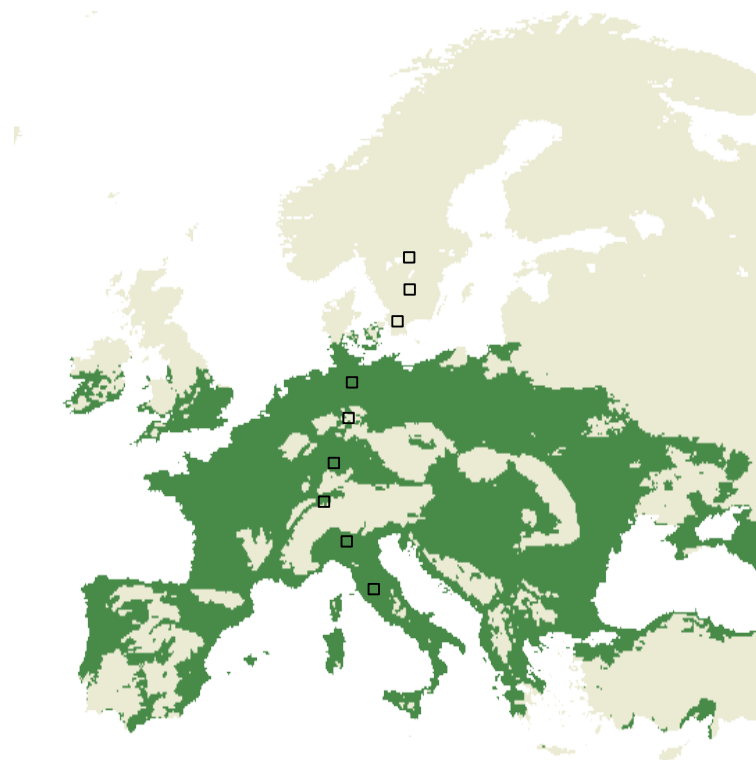


Figure 3: *Species presence map with forward parameter set. AUC threshold maximizing Youden index = 0.016.*