

Input data

Biodiversity data

Realised Niche

Redlist range

Fundamental Niche

GBIF records
Pseudo absences

Environmental data

Habitat

CHELSA Bioclim
Land Cover Fractions
Topography
Spectral-Temporal Metrics

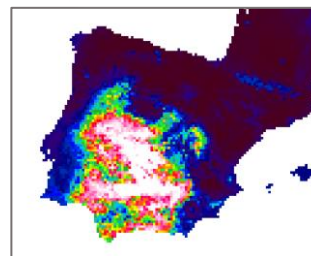
Dispersal

Fraction of artificial LC
and roads

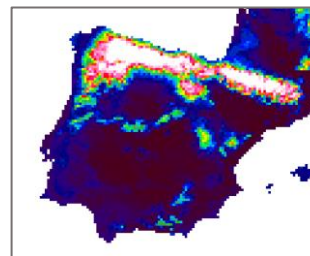
Ecological Niche Model Algorithms

Generalised Linear Models
Generalised Additive Models
BIOCLIM
Boosted Regression Trees
Gaussian Process Regression

Lynx pardinus



Ursus arctos



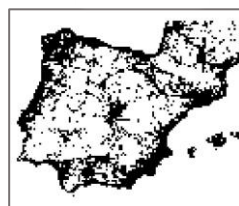
Ensemble Prediction

True-Skill-Statistic (TSS) based
weighted mean

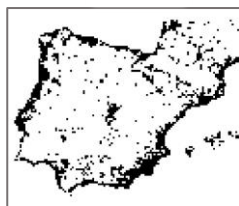
Dispersal Simulations

Negative exponential
dispersal

>2.5%



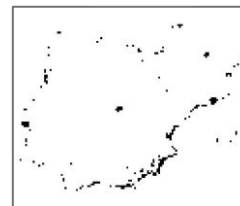
> 5%



> 10%



> 25%



Barrier Assumptions