What are ENM/SDM and why do we use them?
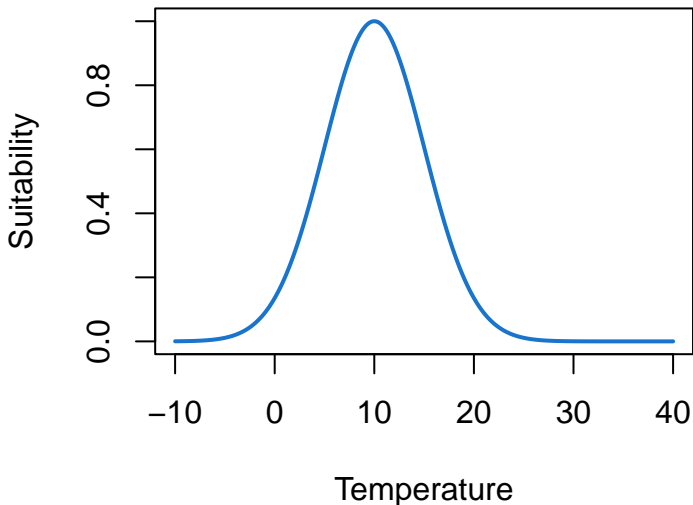
Emilio Berti

Background

ENM/SDM

Theory Primer
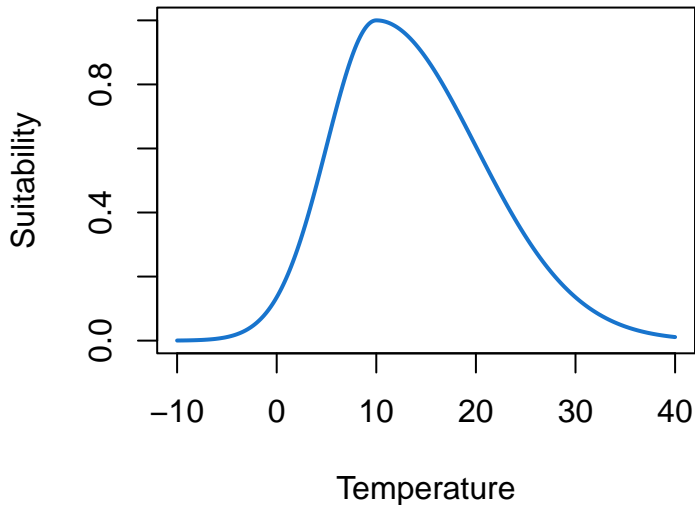
Ecological Niche Modeling (ENM)

ENM try to reconstruct the ecological (climatic) niche of a species.

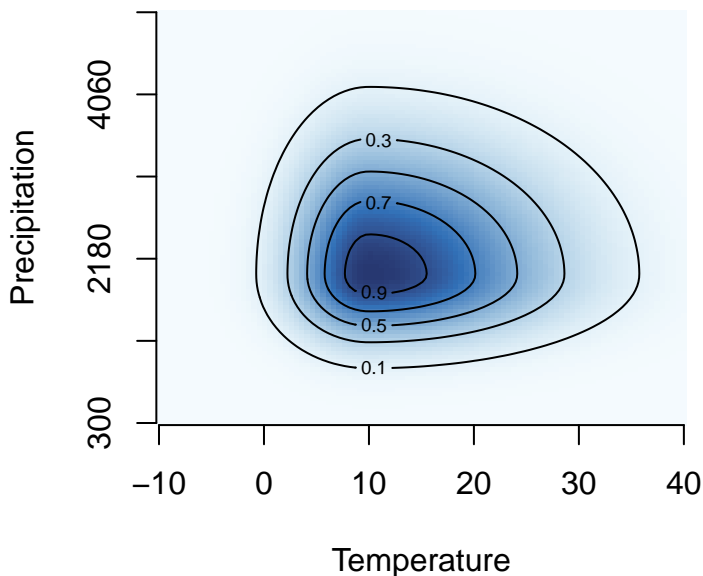Theory suggests the niche must be convex.

Ecological Niche Modeling (ENM)

Theory suggests the niche must be convex and potentially not symmetrical

Ecological Niche Modeling (ENM)

Example of non-symmetrical, convex 2D niche.

Species Distribution Modeling (SDM)

SDMs project ENMs from an environmental space to a geographical area.