

IGNASI BARTOMEUS

SAFEGUARDING EUROPEAN POLLINATORS: TRENDS, IMPACTS AND CONSERVATION

**WE CAN'T PROTECT WHAT WE
DON'T KNOW**

EU: 2138 Bee species

IUCN 2014 Bee Red List Assessment

Figure 7. Species richness of European bees.

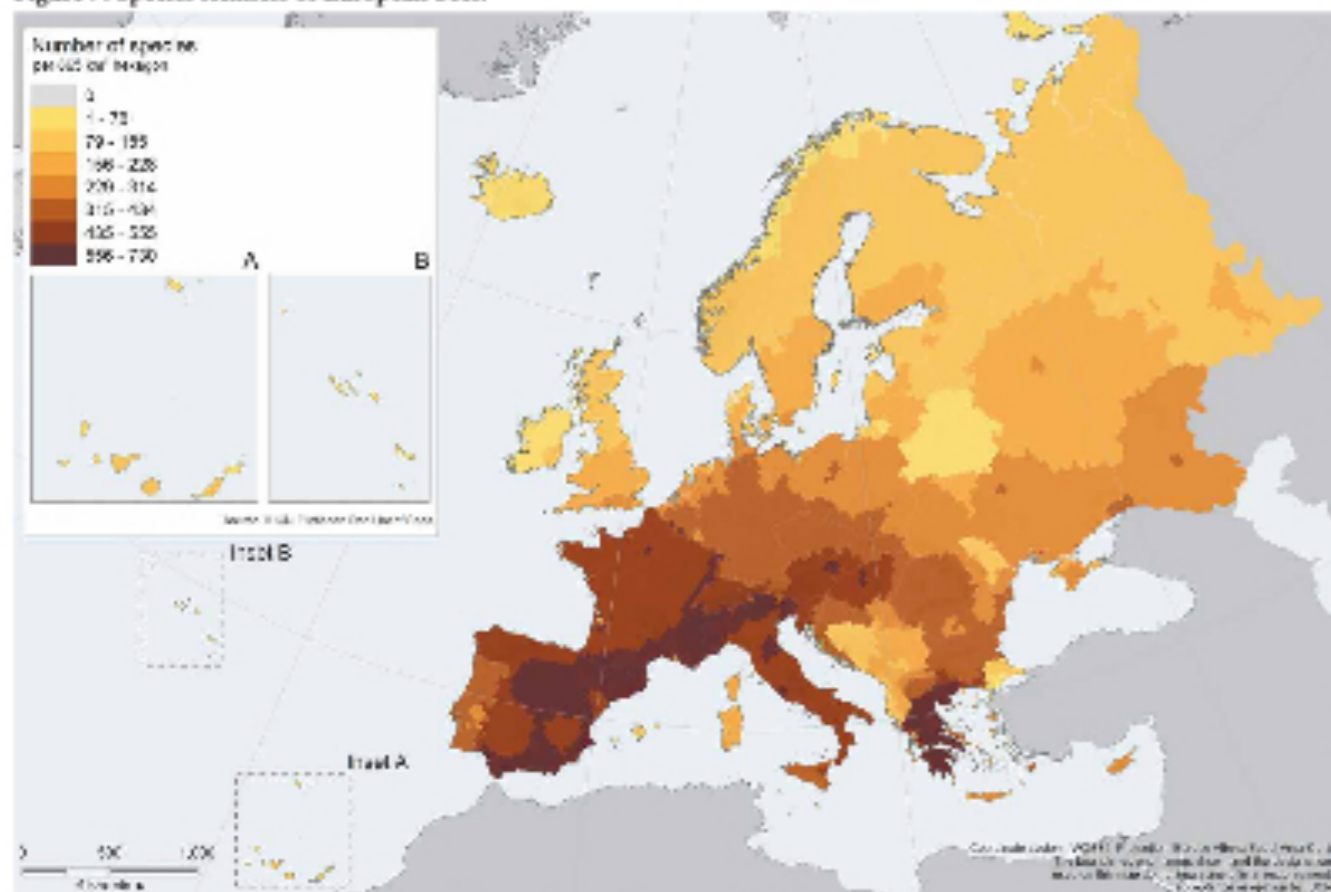
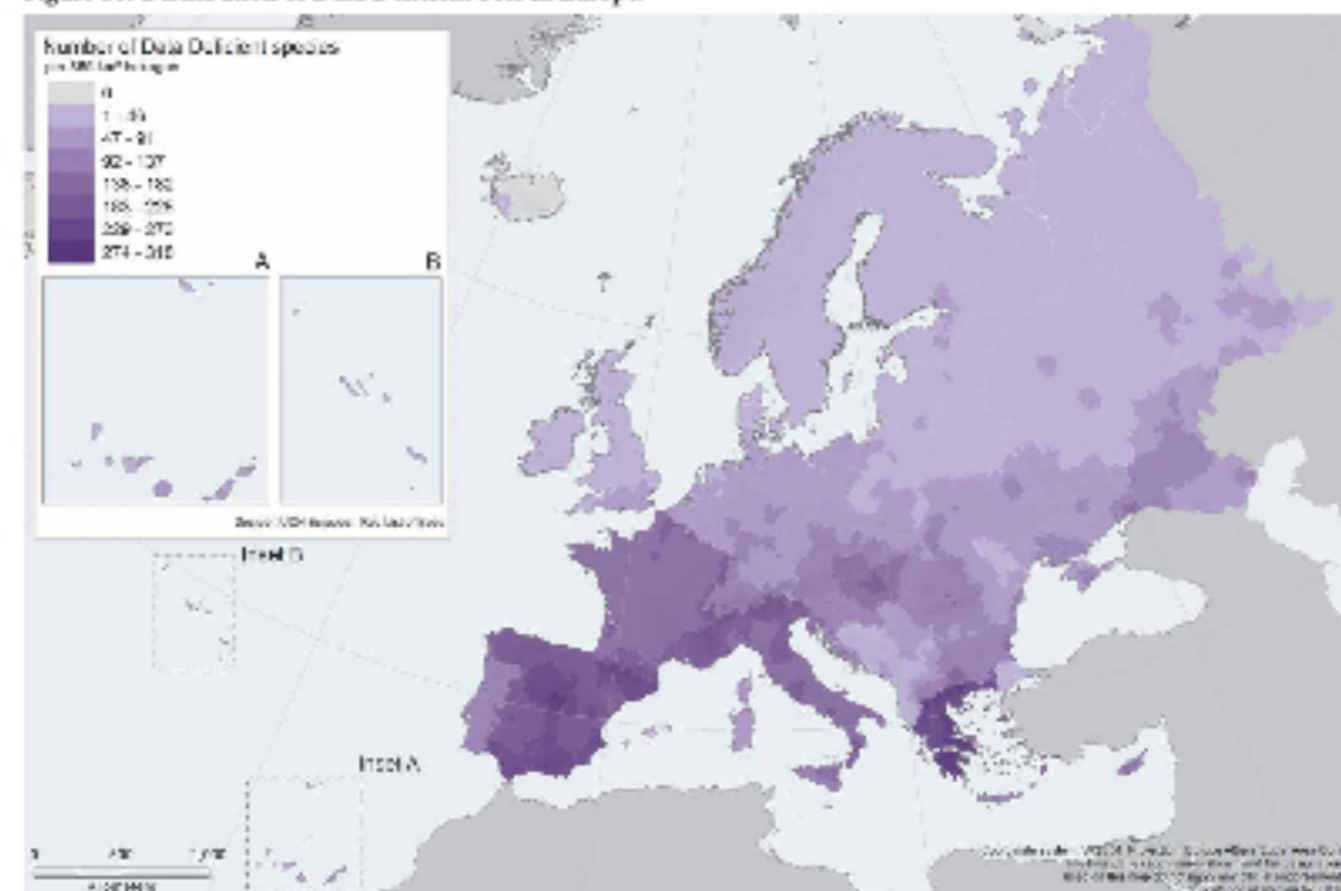


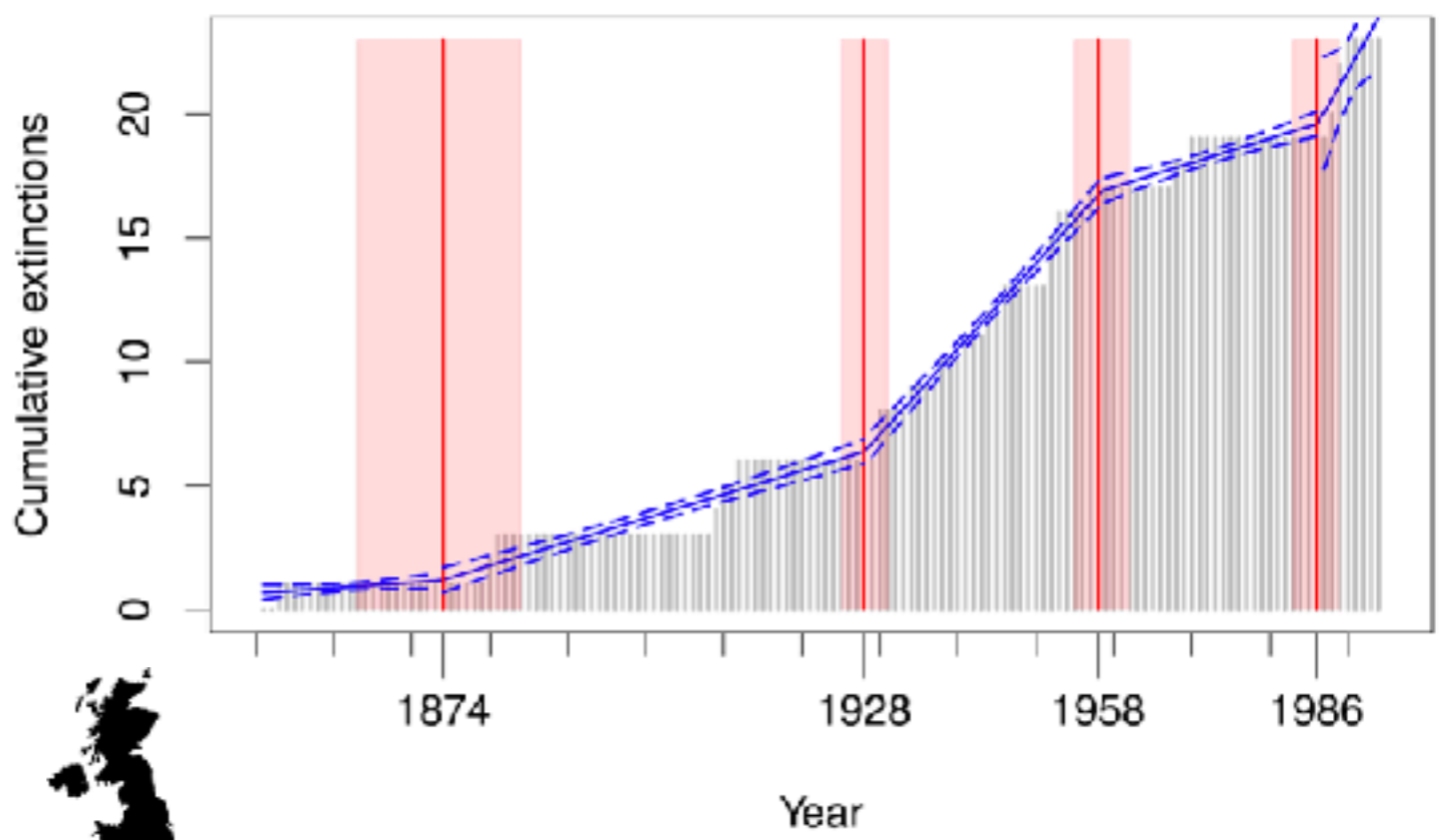
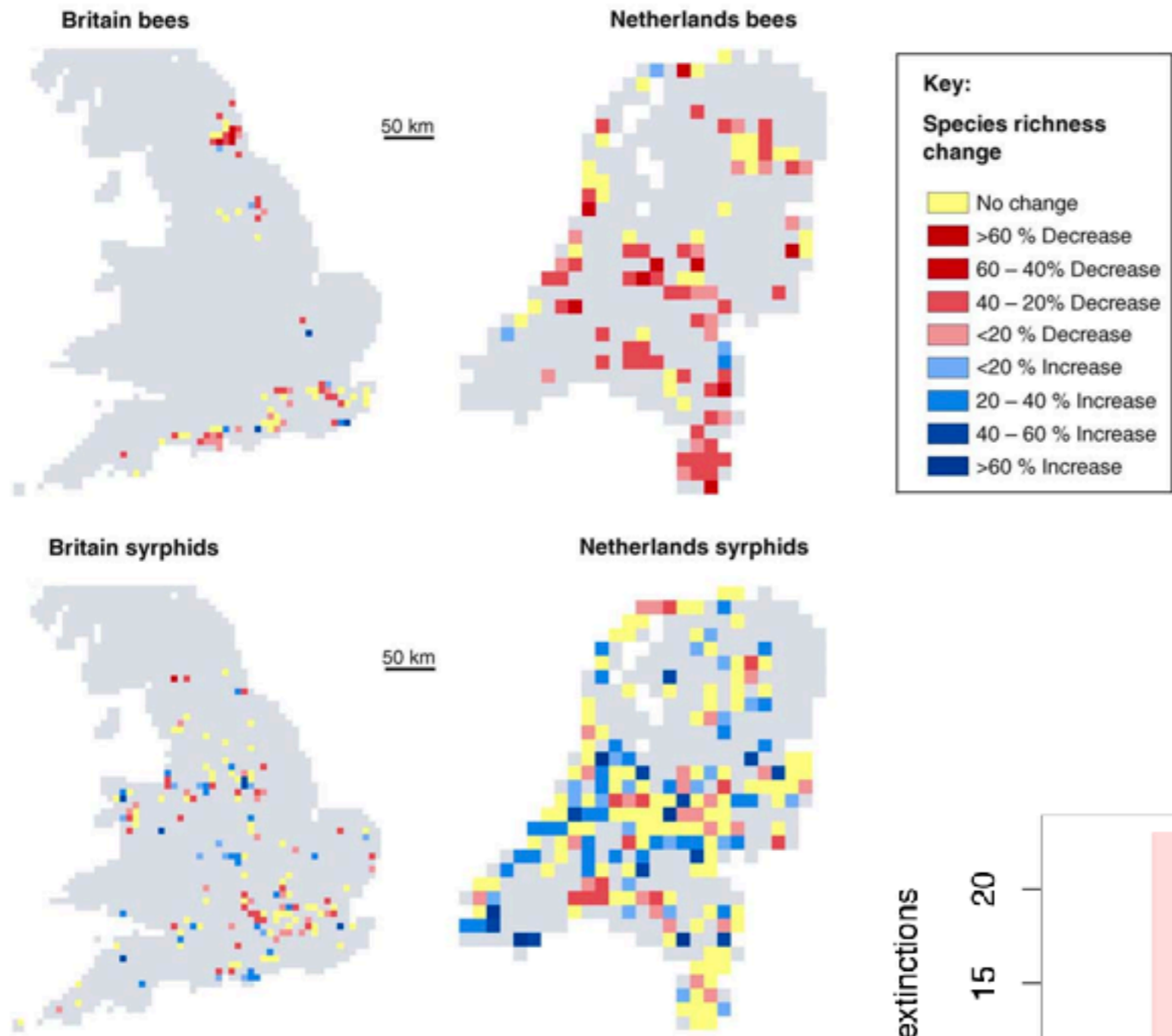
Figure 10. Distribution of Data Deficient bees in Europe.



Species richness

Data Deficient Species

> 50% of species are data deficient



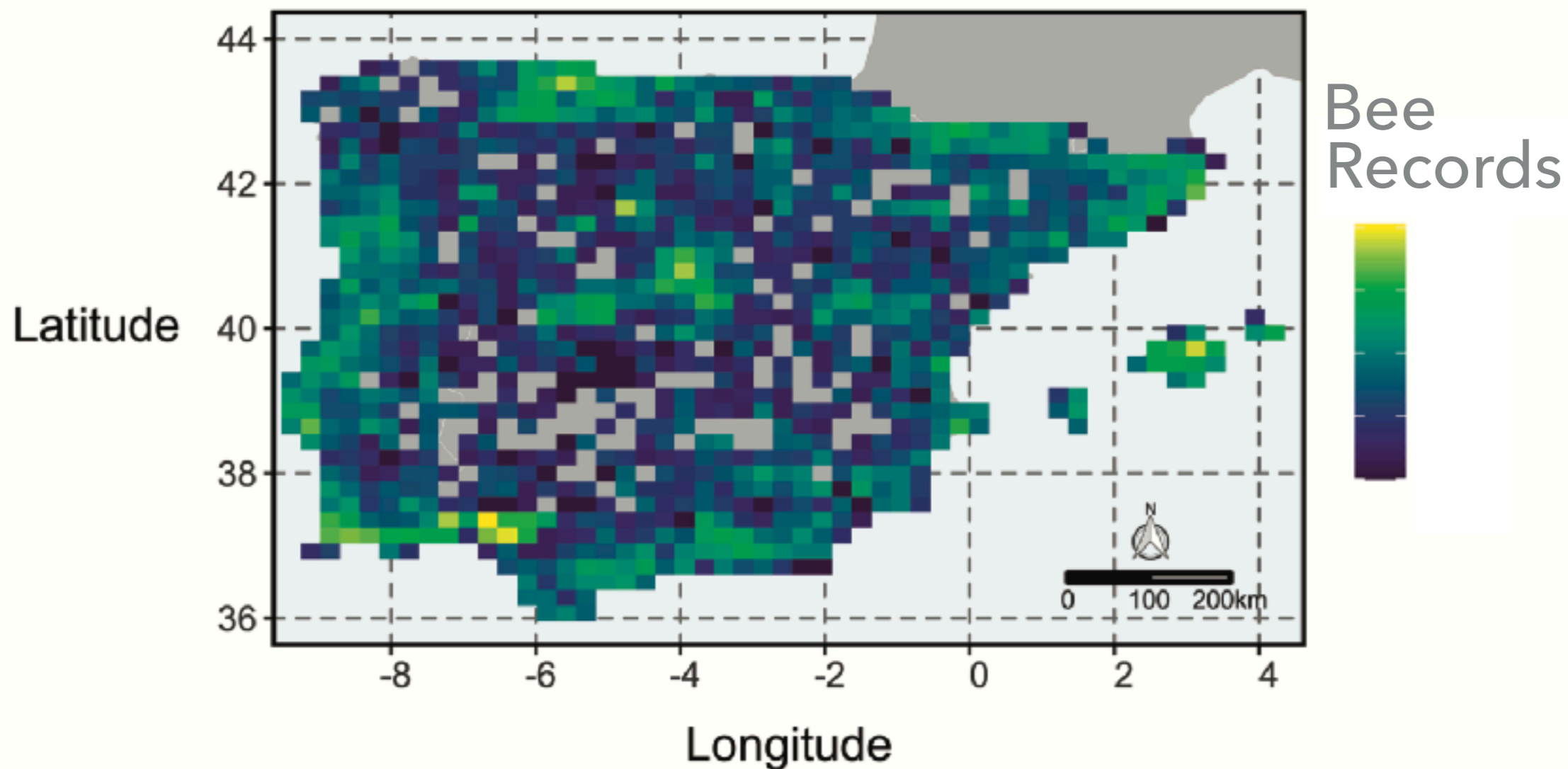


IUCN Update

Bee **Red** List Assessment



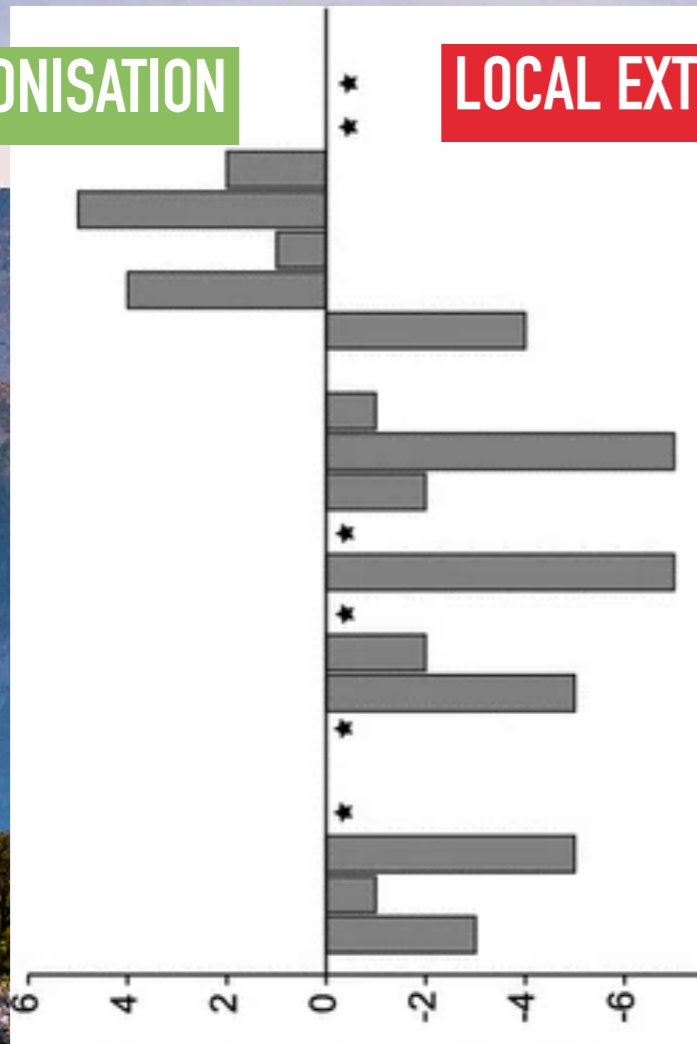
Digitalised > 100.000 Records from Spain



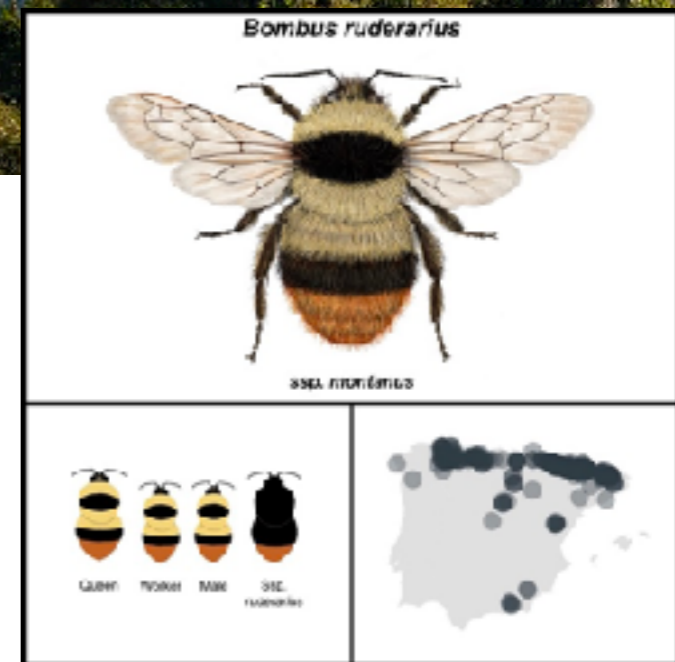
Picos de Europa

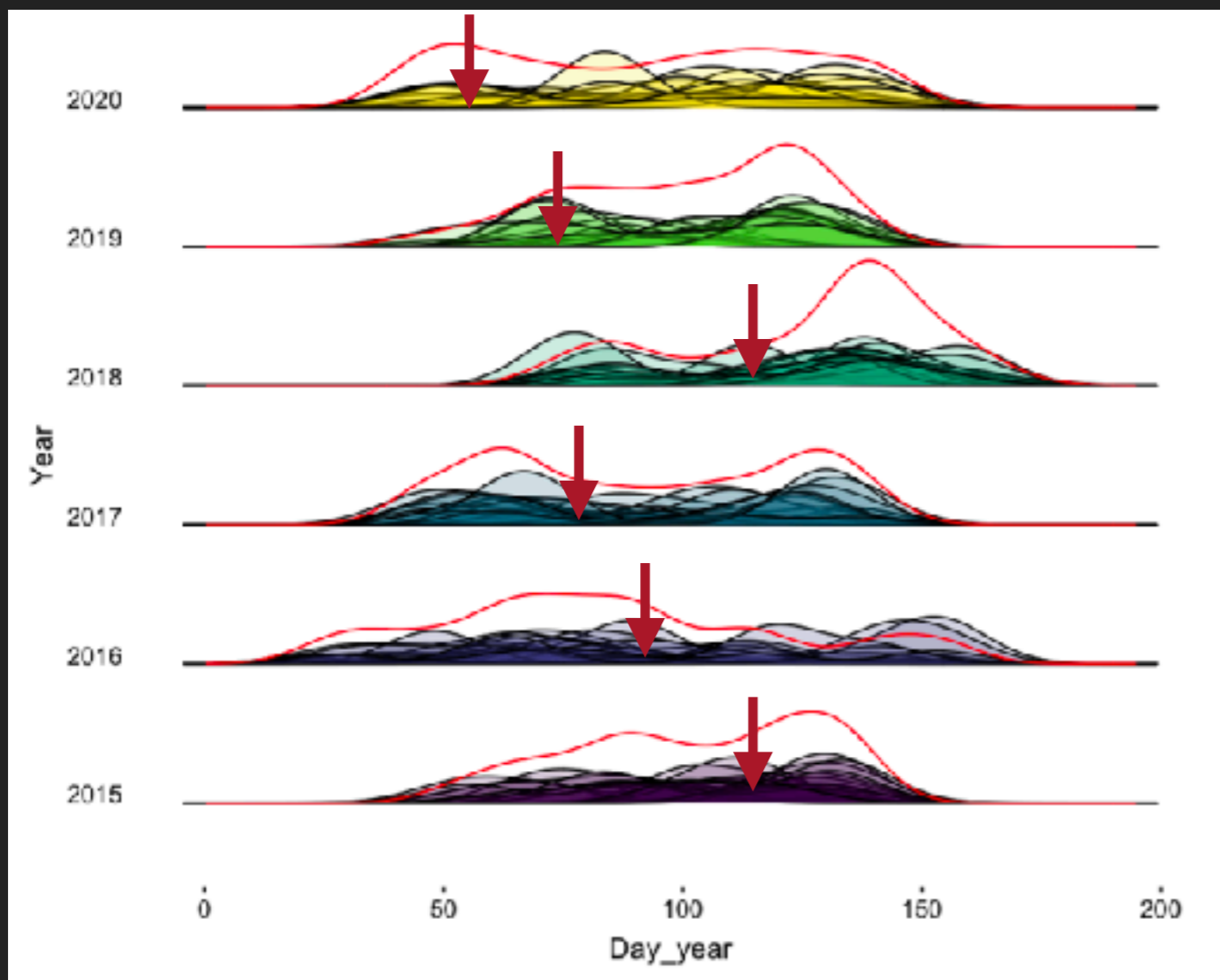
LOCAL COLONISATION

LOCAL EXTINCTION



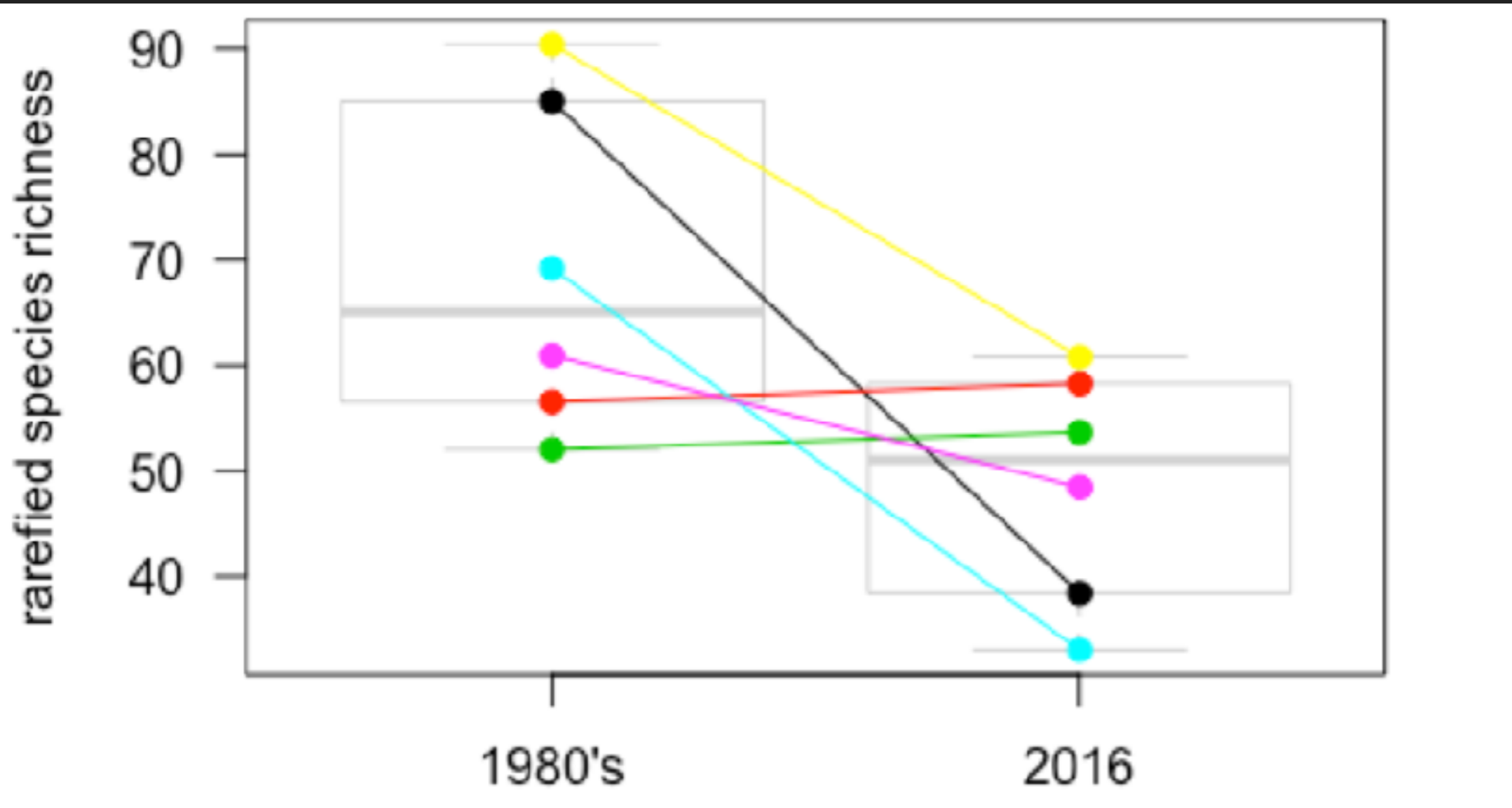
Pre vs Post 1980





Doñana National Park





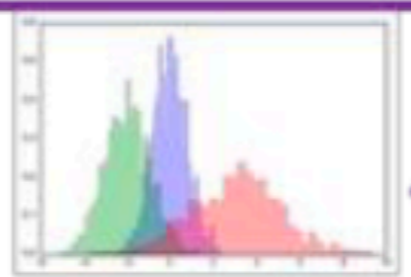
Castilla y

León



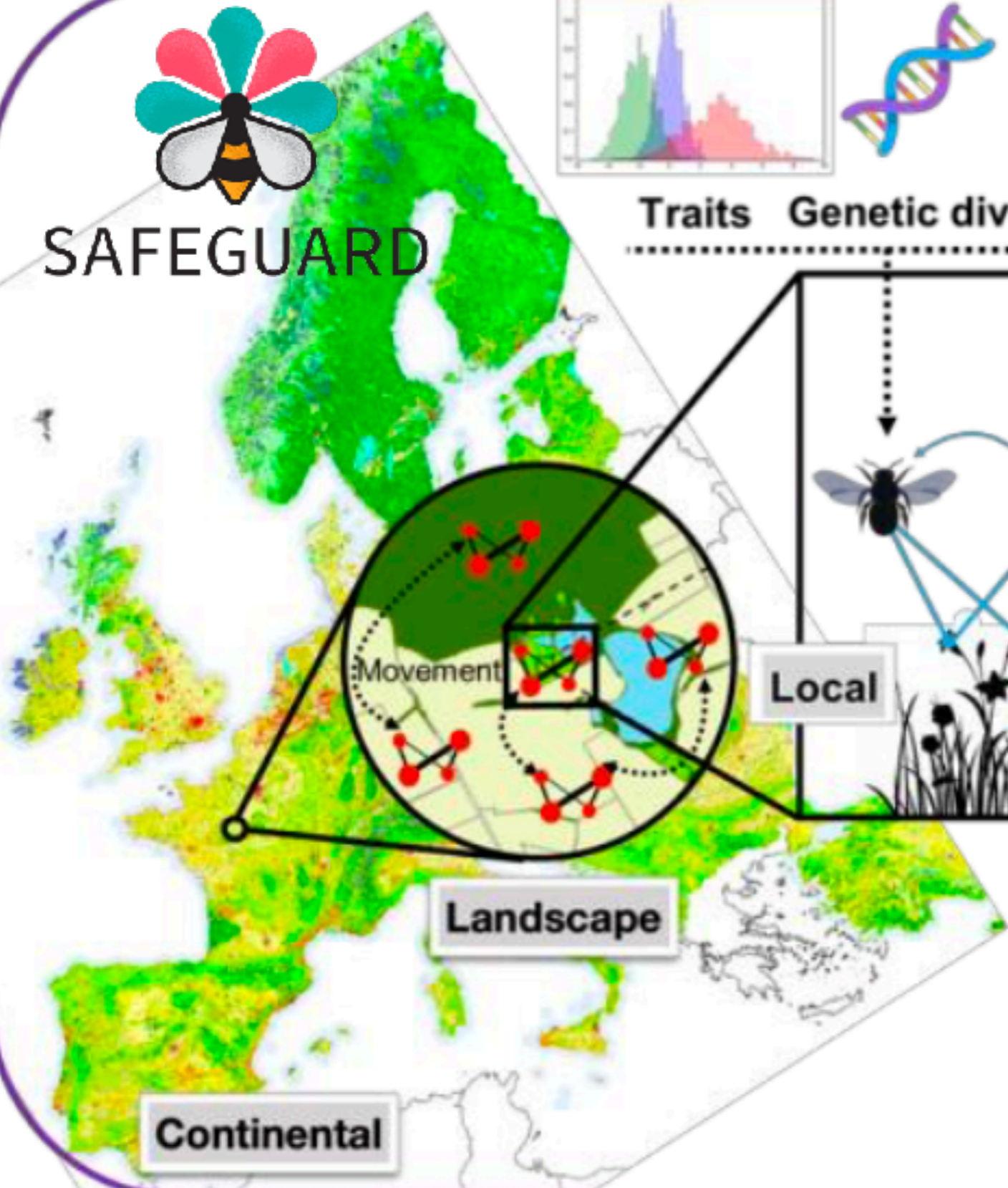


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Individuals

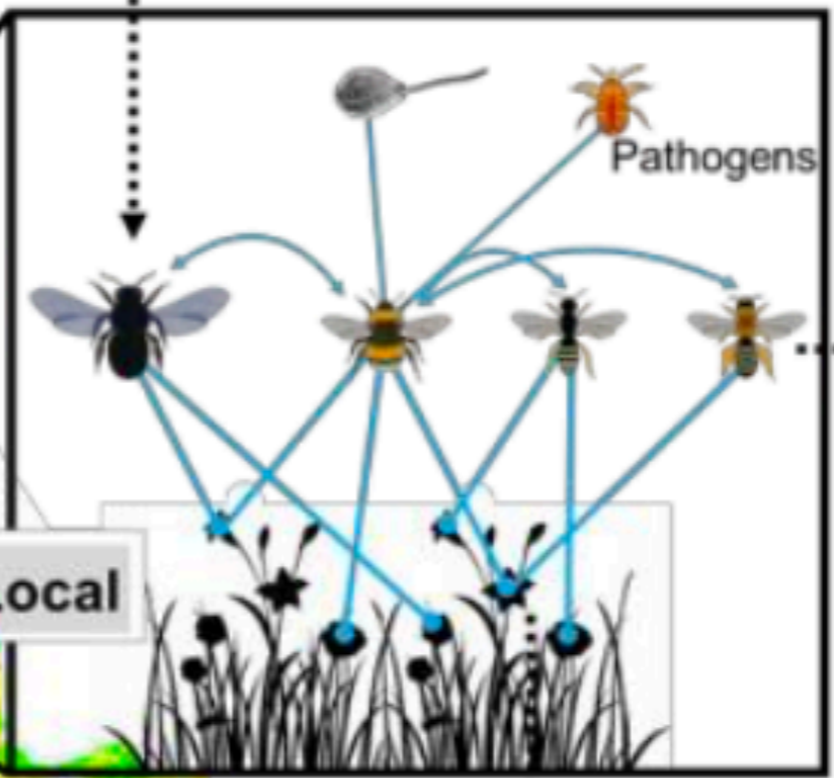
Traits Genetic diversity Evolution



Movement

Landscape

Continental



Local

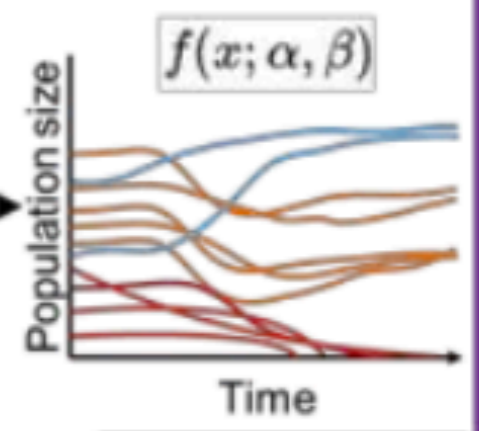
Pathogens

Community



Wild plant reproduction & crop production

Function



Populations

