

# AI-GeoSpecies

## Why should you use AI-GeoSpecies?

Integrate artificial intelligence into your citizen science app to predict which plant species users will find in a particular area.

**01 AI-GeoSpecies SHOWS POTENTIAL SPECIES TO BE OBSERVED IN A SET AREA**

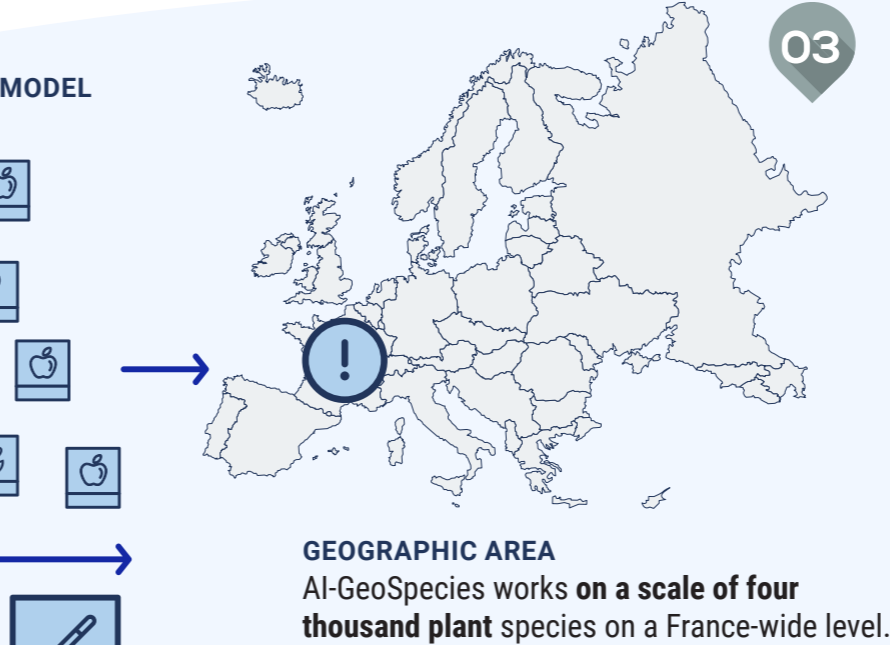
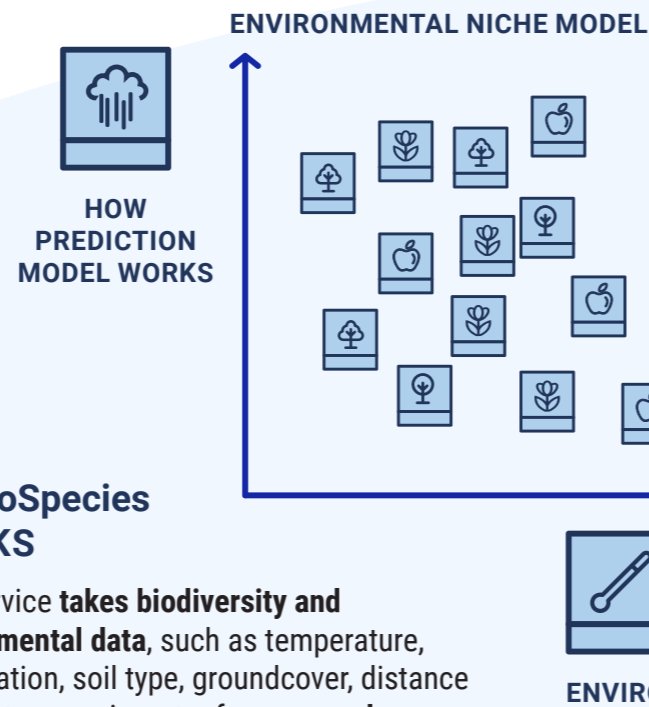
To do this, it **considers** a huge list of species and **environmental variables in a geographic area.**

**02 HOW AI-GeoSpecies WORKS**

This service **takes biodiversity and environmental data**, such as temperature, precipitation, soil type, groundcover, distance from water, species, etc. from **several sources**: Global Biodiversity Information Facility (GBIF) species occurrences, KNMI climate data and Corine Land Cover data, satellite imagery data, etc.

**INTEGRATE AI-GeoSpecies INTO YOUR APP: EXAMPLE OF USE**

Any organization developing a citizen observatory app to collect plant biodiversity data will be able to integrate AI-GeoSpecies to show the project's volunteers the species likely to be observed at a given location.



**03 FIND OUT THE PROBABILITY OF OBSERVING A SPECIES IN A PARTICULAR AREA**

The service informs you of the **probability of finding 'X' plant species at a particular location.** It will also allow for the integration of **warning messages** conditioned by the probability of observing some particular plant species (e.g. to signal the presence of invasive species).

**04 AI-GeoSpecies IS OPEN SOURCE**