

Workflow

Ekin Kaplan | December 18, 2020



First Step

Create First Record Database

Gather Papers on Alien First Records

Extract Their Tables

Clean and Compile the Tables in the Raw FR Database

Process Raw FRDB and Form The FRDB



Second Step

Get Coordinate Records From GBIF and OBIS Databases

Request Download Links From GBIF API*

Extracting GBIF/OBIS Occurrence Records

Merge all GBIF and OBIS Occurrence Records

Clean Occurrence Records***

Third Step

Point in Polygons of Processed Occurrence Records

Merge Marine and Terrestrial Polygons

Point in Polygons for Marine and Terrestrial Regions

Identify marine and terrestrial populations

Coastal marine ecoregions per country

Get Alien Species First Records

Identify alien populations

Country Boundries With Marine Boundries

Points in Polygons

Differentiate between terrestrial and marine

Find alien populations for terrestrial and marine

*Use Species From First Record Database

**Also add First Records to the Coordinate Records from the FRDB

*** Remove Duplicates, Thin Coordinates, Cleaning

