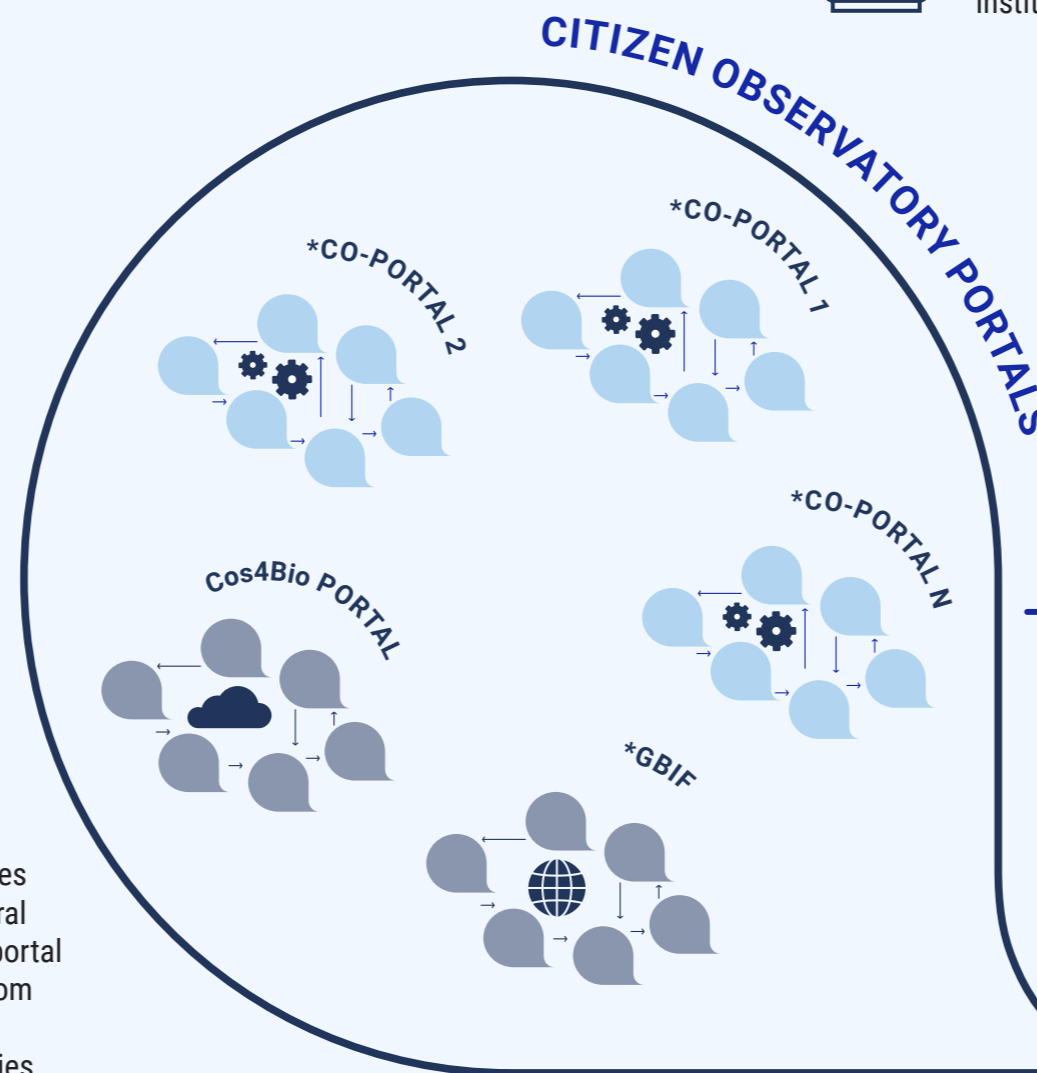# GBIF-DL
Why should you use GBIF-DL?

Create a training set on a particular group of living organisms for machine learning applications: any developer or data scientist working on a citizen observatory will be able to train an Artificial Intelligence (AI) model to identify a particular group of species very easily.

CITIZEN OBSERVATORY PORTALS

*CO-PORTAL 2

*CO-PORTAL 1

*CO-PORTAL N

Cos4Bio PORTAL

*GBIF

*CO: Citizen Observatory
*GBIF: Global Biodiversity Information Facility

02 CARRY OUT A DATA QUALITY ASSESSMENT

GBIF-DL integrates images from several providers (citizen science projects, museums, official biodiversity databases, etc.) to ensure that an AI model will work for various citizen science initiatives, projects, or institutions interested in integrating this service.

03 CREATE YOUR OWN SPECIES TRAINING SET

You will be able to request specific data, such as images of specific species and/or specific platforms with a high enough quality expert validation to train the AI model on that species.

04 READY TO USE: TRAIN YOUR AI SYSTEM

Once you have your specific training set, you can use it to train an AI model to **identify the images of the particular group of species**, from birds to plants, mammals, insects, etc. This will help citizen scientists identify their biodiversity pictures.

SPECIES GROUP 1

SPECIES GROUP 2

SPECIES GROUP N

01 CHOOSE THE SPECIES LIST(S) YOU ARE INTERESTED IN

The service uses a Python library that feeds from various platforms that contain an enormous database of images of several species, such as GBIF*, several citizen observatories and the Cos4Bio portal that shows biodiversity observations from multiple citizen observatories. You can choose from this library the list of species you are interested in to create your own AI training set.