Download species occurrence data from GBIF as a cube

GBIF

What are species occurrence cubes?

An occurrence cube is a tab-separated csv file containing species occurrence measures (e.g. a count) aggregated by taxonomic, temporal and/or spatial dimensions (e.g. by species, year, etc.).

How does it work?

Cubes can be created online or through an API and are delivered as a link via email. Cubes can be produced using the GBIF website, the GBIF API, or by using the GBIF occurrence data deposited on **external cloud services.**

1 Go to GBIF.org

2 Log in/register

3 Go to **occurrence search** and look for the data you want to include in your cube

4 Choose Cube as the desired download format
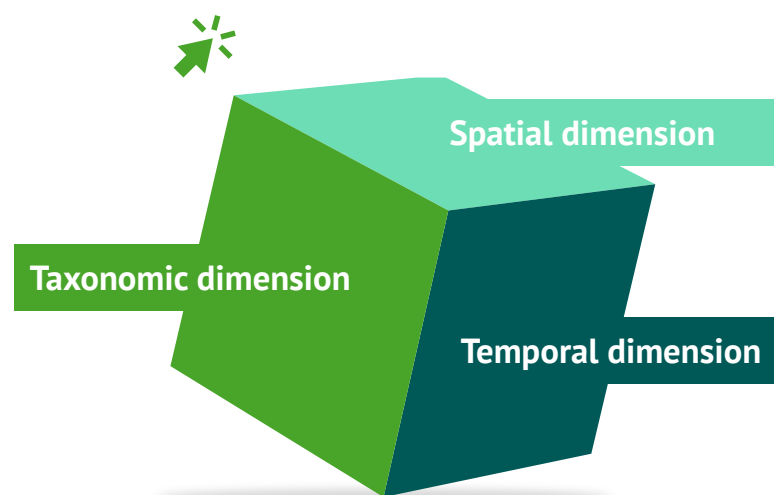
5 Define the cube's dimensions

6 Download your cube

Why are species occurrence cubes useful?

- Allow access to timely, accurate, and reliable information on biodiversity status, trends, and threats

- Contribute to the automation of analysis workflows

- Make the process of data cleaning, aggregation, analysis, and the creation of models easier

- Invisibly leverage the scalability of cloud computing

Learn how to generate species occurrence cubes!

Follow the tutorials at docs.b-cubed.org

Spatial dimension

Taxonomic dimension

Temporal dimension

- Kingdom, phylum, class, order, family, genus, species, accepted taxon, exact taxon

- Year, year and month, date

- EEA reference grid, extended quarter degree grid (QDGC), ISEA3H, military grid reference system (MGRS)