MECODA
Why should you use it?

MECODA is an online tools repository to facilitate the analysis and viewing of all sorts of citizen science data.

02

CHOOSE THE DATA YOU WANT TO ANALYSE

MECODA aims to provide tools to analyse all sorts of data -biodiversity, environmental, social, etc.- coming from citizen observatories such as Natusfera, other data sources or your own sets.

03

WHAT CAN YOU DO WITH MECODA?

Customise the data analysis methods & graphs you want to use
Use the available tools to do tendency graphs, histograms, participation analysis, species distribution analysis on a map; statistical or image analysis, among others.

Customize the data-quality analysis
For example, you could define your own data quality criteria to decide which citizen science data is trustworthy or not (no. of validations, scientific identification, etc.).

01

USE MECODA TOOLS, CREATE NEW ONES AND SHARE THEM

Anyone can use the tools already available in the MECODA repository, or create and share new ones for everyone to use.

USE → CREATE → SHARE

- Ifyou know Python, you can use the tools code directly.
- If you don't have a technical background, install the Orange Data Mining platform to get visual, user-friendly access to the ready-to-use tools.

MECODA: EXAMPLES OF USE

- Suppose you are a researcher studying the butterfly population in a big city in recent years: you can use a tool from the MECODA repository to create a '**distribution graph**' and visualize the number of observations of butterfly species over time. Are they increasing? Are them decreasing?
- Suppose you want to perform a **participation analysis** after hosting a citizen science BioBlitz, you will be able to analyse, for example, the type of participation (number of observations, identifications, participants, etc.).

Download the graphs and data
Download your work in several formats: .csv, .xlsx, .tab, etc.

Create and share your own tools
MECODA is an open collaborative repository. You can create new tools or data sources and share them with the community.