



Datos de biodiversidad. En que está ahora la Ciencia y GBIF

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Unidad de Coordinación, nodo español
de GBIF (Global Biodiversity
Information Facility)



EUSKO JAURLARITZA
GOBIERNO VASCO

Gbif.Es

Foro Social de la Biodiversidad de Euskadi
Jornadas sobre Información de Biodiversidad y
Administraciones Ambientales. 2022

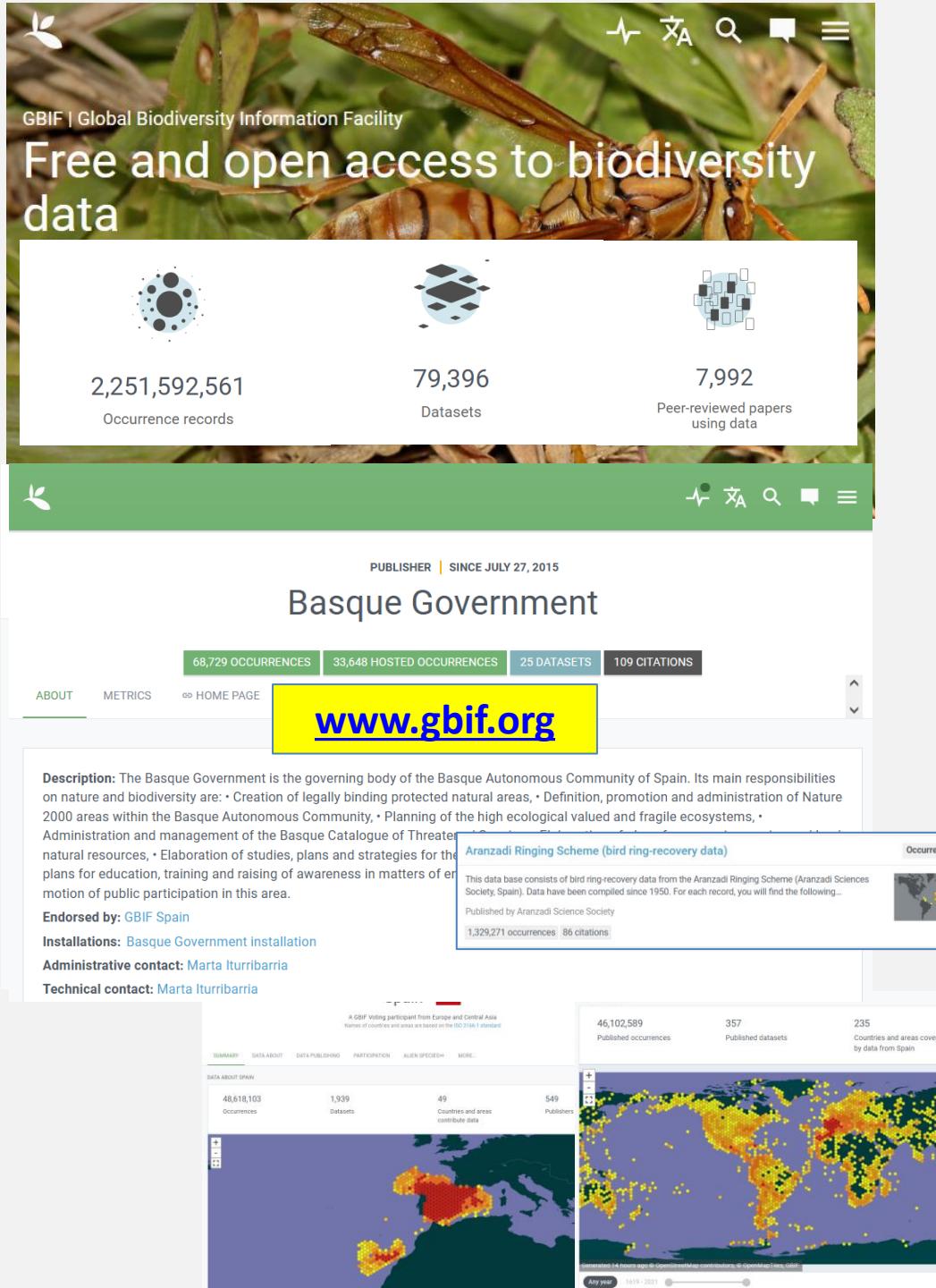
VITORIA
GASTEIZ
green capital

Ataria interpretazio zentroa / Centro de
interpretación Ataria
Vitoria-Gasteiz, 23-25 de noviembre de
2022



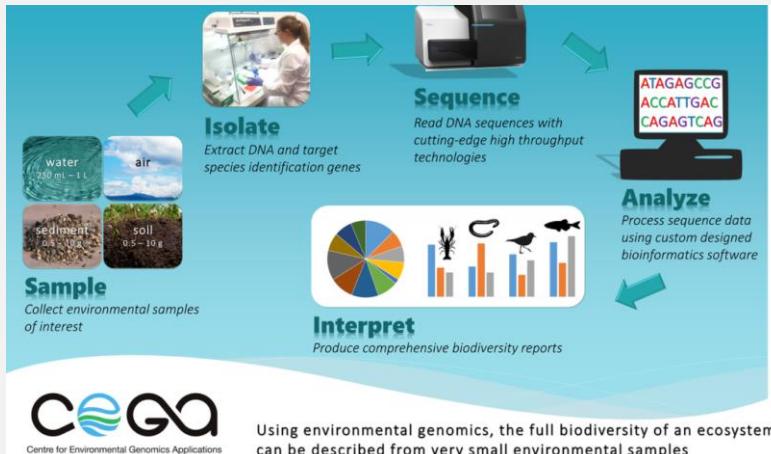
Qué vamos a ver

- GBIF en una diapositiva
- Como decíamos ayer...
- Principios FAIR
- La herramienta MERIT de Australia
- El TDWG
- La “World Flora Online”
- El Post-Darwin Core
- Algo de “Laboratorios virtuales”



Como decíamos ayer...

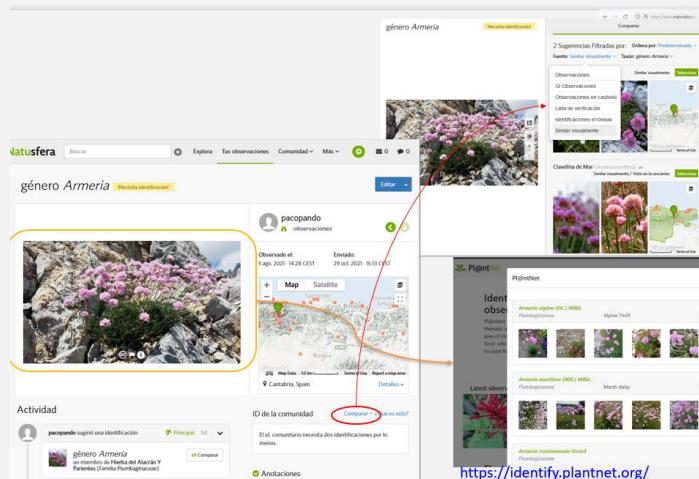
Muestreos basados en ADN ambiental



<https://www.cegacanada.com/about.html>

https://www.euskadi.eus/contenidos/evento/forobiodiversidad21/es_de/f/adjuntos/Foro-Euskadi-2021-Pando.pdf

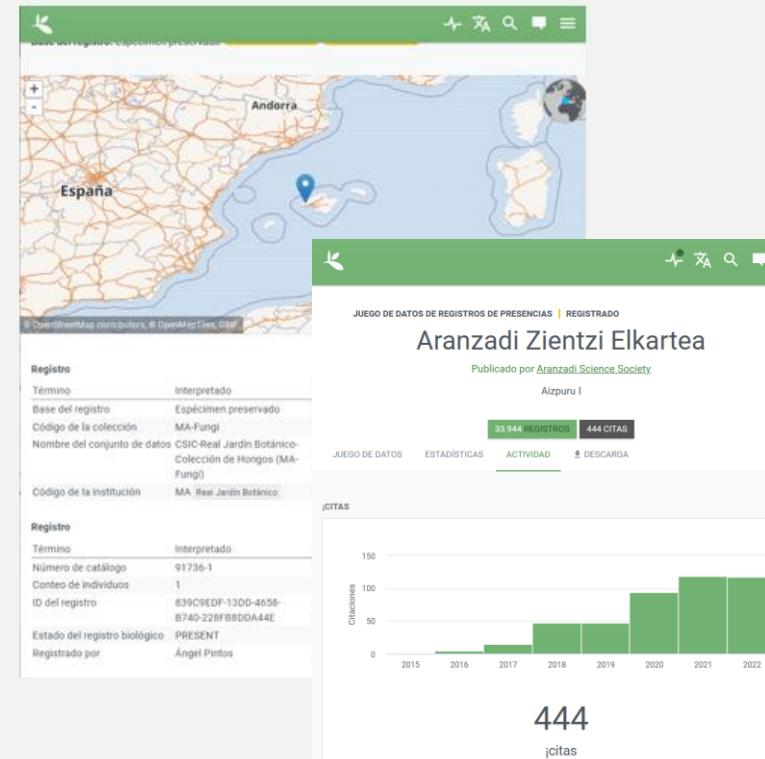
Ciencia ciudadana e inteligencia artificial



<https://identify.plantnet.org/>

Identificadores “de largo alcance”

839C9EDF-13DD-4658-B740-228FB8DDA44E



444
citas

Principios FAIR



<https://www.and.org.au/working-with-data/fairdata/training>



Australian Government

MERIT

¿Qué es el MERIT?

Es la herramienta de informes en línea del Departamento de Agricultura, Agua y Medio Ambiente. MERIT está diseñado para recopilar y almacenar datos de planificación, monitoreo y generación de informes asociados con proyectos de subvenciones de gestión de recursos naturales financiados por el gobierno australiano.

<https://fieldcapture.ala.org.au/merit>



Monitoring, Evaluation, Reporting and Improvement Tool (MERIT)

The online monitoring, evaluation, reporting and improvement tool (MERIT) is now available for grant recipients to start reporting. MERIT has been developed for the project and programme reporting requirements of Australian Government NRM programmes. MERIT allows grant recipients to record and upload data about the progress of their projects on a continual basis and to submit reports online. It will also increase information sharing within NRM communities and the broader public.

Developed in collaboration with the [Atlas of Living Australia](#), MERIT will enhance the reporting process by allowing simpler yet more complete project records and showing direct links between project activities and contributions to Australia's biodiversity conservation work.

ANNOUNCEMENTS

- MERIT users guides are now available at <http://www.nrm.gov.au/funding/merit/user-guides.html>. Please check the guides and FAQ's for information on how to use MERIT.
- For important information regarding the upload of shape files and for new features and fixes that were deployed on 17/6/14 see '[About](#)' for details.
- A new sample project has been added to assist users in interpreting activity types and communicating their project to the public. View the [sample project](#) (opens in a new tab)

Filter results

Organisation

- East Gippsland CMA (14)
- Fitzroy Basin Association Inc. (12)
- South Coast NRM (10)
- Corangamite Catchment Management Authority (10)
- REEF CATCHMENTS (MACKAY WHITSUNDAY ISAAC) Limited (8)
- [choose more...](#)

Program

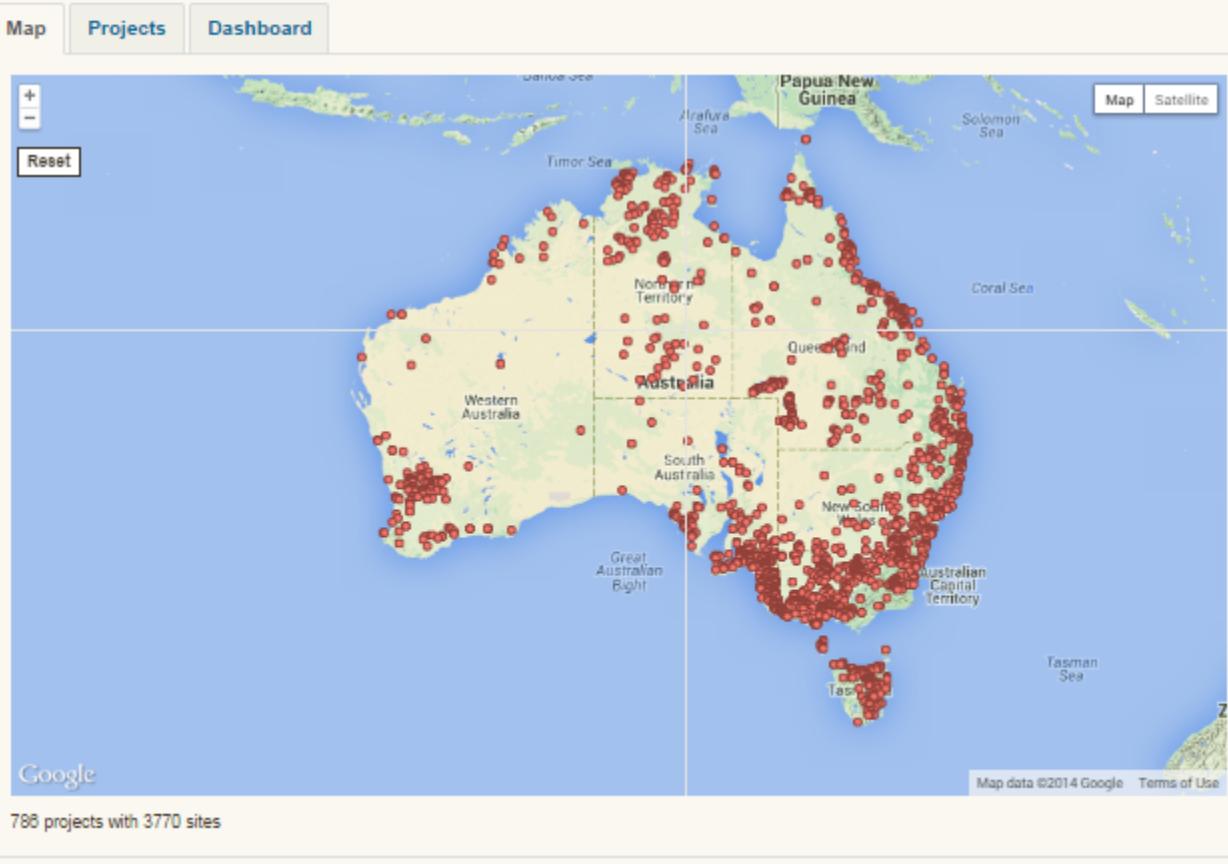
- Caring for Our Country 2 (428)
- Biodiversity Fund (349)
- Cumberland Plain (6)
- Environmental Stewardship (2)
- Green Army (1)

Sub Program

- Round 1 (313)
- Regional Delivery 1318 (309)
- Community Environment Grants 1314 (69)
- Reef Rescue 2013/14 (27)
- Target Area Grants - 2013/14 (22)
- [choose more...](#)

Reporting Theme

- Protecting and enhancing existing native vegetation (250)
- Managing invasive species in a connected landscape (230)
- Biodiverse plantings (198)
- Building natural resource management community skills, knowledge and engagement (138)
- Conserving and protecting species and ecosystems (matters of national



Filter results

Organisation

- East Gippsland CMA (14)
- Fitzroy Basin Association Inc. (12)
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- choose more...

Program

- Caring for Our Country 2 (430)
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Sub Program

- Round 1 (313)
- Regional Delivery 1318 (309)
- Community Environment Grants 1314 (69)
- Reef Rescue 2013/14 (27)
- Target Area Grants - 2013/14 (22)
- choose more...

Reporting Theme

- Protecting and enhancing existing native vegetation (254)
- Managing invasive species in a connected landscape (232)
- Biodiverse plantings (200)
- Building natural resource management community skills, knowledge and engagement (136)
- Conserving and protecting species and ecosystems (matters of national environmental significance) (132)
- choose more...

State

- New South Wales (including Coastal Waters) (196)
- Queensland (including Coastal Waters) (163)
- Victoria (including Coastal Waters) (116)
- South Australia (including Coastal Waters) (94)
- Western Australia (including Coastal Waters) (78)

Map Projects Dashboard

Data presented in this dashboard has been extracted from grant recipient progress reports approved by the Department of the Environment. While efforts are made to ensure the accuracy of the ecological information contained in MERIT, for confirmation of authoritative data please contact the /home/contacts. Also note that dashboard data for Biodiversity Fund Round One are incomplete due to legacy issues.

Biodiversity Management

Community Engagement and Capacity Building

Farm Management Practices

Heritage Asset Management

[no data available]

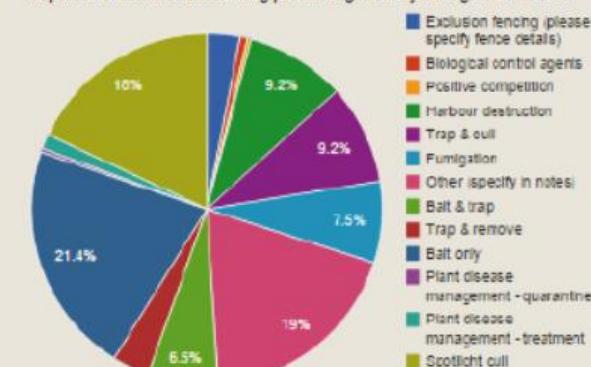
Indigenous Capacity

Invasive Species Management - Pest Animals

Pest Management Details

No. of activities undertaking pest management : 0

Proportion of activities undertaking pest management by management method



Area covered (Ha) by pest treatment : 7,483,721.88

Treated area (Ha) by species

TDWG 2022 - a Hybrid Conference

Stronger Together: Standards for linking biodiversity data

conference

Image by Ivan Nedelchev

[Home](#) / [Conferences](#) / TDWG 2022 - a Hybrid Conference

 [Edit this page](#)

TDWG 2022

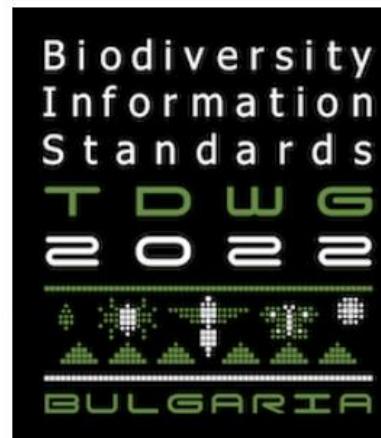
17–21 October

Last updated 16 October 2022

The Biodiversity Information Standards (TDWG) annual conference in 2022 will be a hybrid meeting, hosted in Sofia, Bulgaria.

Stronger together - in person or online! #tdwg2022

Although pandemic restrictions appear to be waning in many countries, we expect that many organizations will still be limiting professional travel in the fall of 2022. Consequently, TDWG 2022 will be a hybrid conference; in-person for those who can travel, and virtual for those who cannot. The conference will accommodate symposia, workshops,



[Conference notifications](#)

[Deadlines](#)

[Registration](#)

[Schedule](#)

[Working Sessions](#)

[Abstracts](#)

[Hosts and in-person logistics](#)

[Supporters](#)

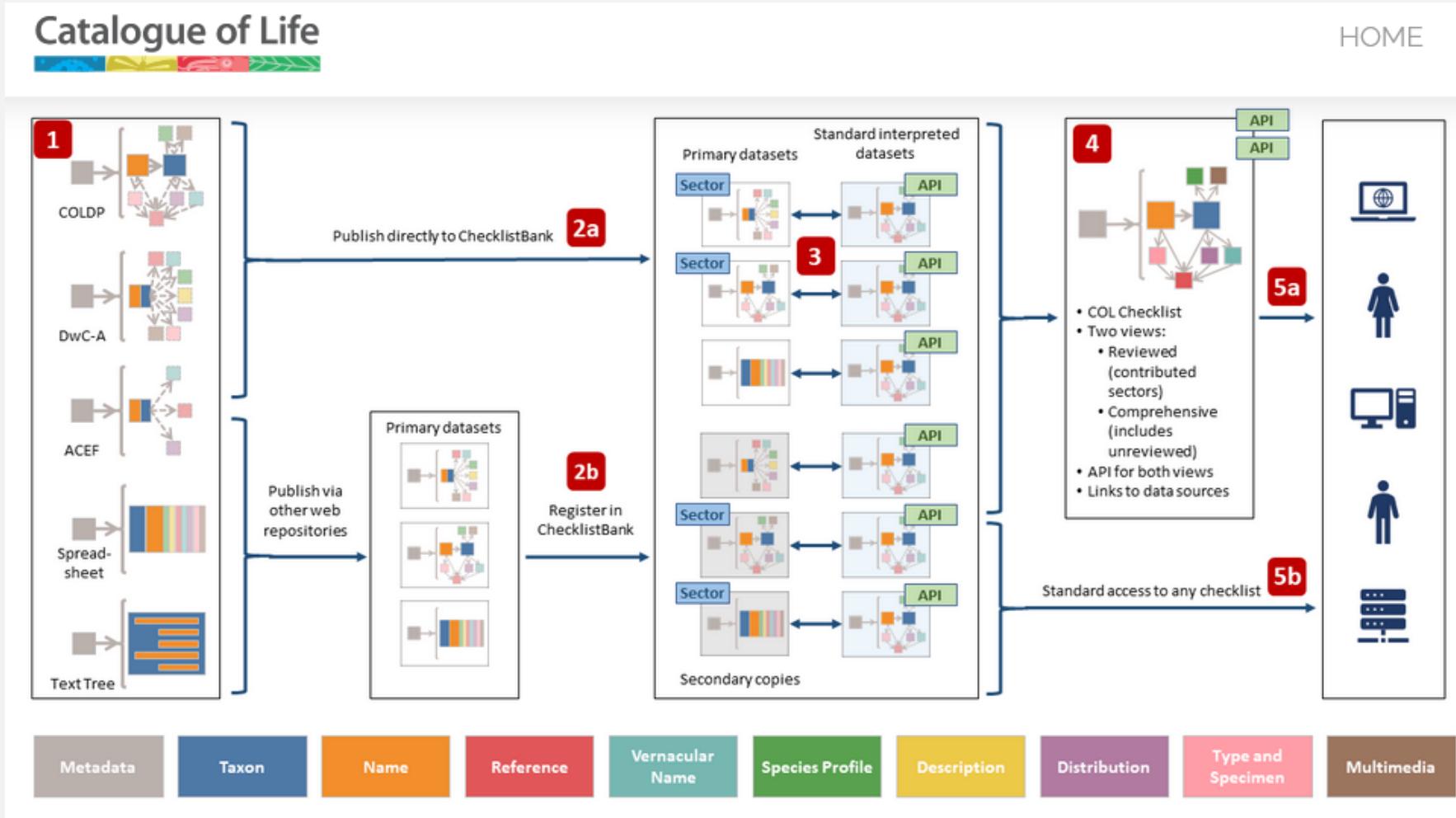
[Code of Conduct](#)

[Contact Us](#)

[Additional Information](#)

<https://www.tdwg.org/conferences/2022/>

“CheckListBank”



<https://www.catalogueoflife.org/about/colpipeline>

<https://www.gbif.org/installation/3298f964-ee79-44d3-9ac3-4236aa62c5f9>

INSTALLATION

COL Checklist Bank

Catalogue of Life Checklist Bank hosts original archives and downloads in various formats.

Installation type: Http installation
Hosted by: The Catalogue of Life Partnership
Registered: September 7, 2021

169 DATASETS

The World Checklist of Vascular Plants (WCVP): Fabaceae

The World Checklist of Vascular Plants (WCVP) is a global consensus view of all known vascular plant species (flowering plants, conifers, ferns, clubmosses and firmosses). The Fabaceae subset contains...

Global Lepidoptera Index

Global Lepidoptera Index is a revised dataset based on the Global Lepidoptera Names Index (Lepindex), a digitised and updated version of the unique index card archive to the scientific names of the li...

Catalogue of World Gelechiidae

The Catalogue of World Gelechiidae derives from a summary of the Gelechiidae list developed and maintained as a Word document by Klaus Sattler at the Natural History

Explore the dataFind out aboutCheck a plant name

The World Flora Online

Browse ClassificationBrowse ImagesContribute DataDownload DataSign in

An Online Flora of All Known Plants

Supporting the Global Strategy for Plant Conservation

1,422,002 names, 381,959 from accepted species, 57,419 images,

160,127 names with descriptions, 36,166 with distributions and 182,001 with references.

Search by species, genus or family name, or any words describing the plant

Search

Diversifying the GBIF Data Model

“estudios de casos e ideas actuales para un modelo común unificado capaz de admitir capacidades ampliadas de publicación de datos, así como direcciones potenciales para la evolución del estándar Darwin Core.”

Darwin Core quick reference guide

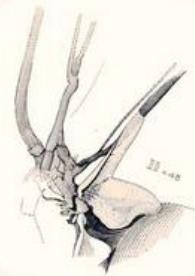
This document is intended to be an easy-to-read reference of the currently (as of 2021-07-15) recommended terms

maintained as part of the [Darwin Core standard](#) and

Record-level Terms	Dublin Core terms, institutions, collections, nature of data record	
Occurrence	evidence of species in nature, observers, behavior, associated media, references.	Simple Darwin Core (flat)
Event	sampling protocols and methods, date, time, field notes	
Location	geography, locality descriptions, spatial data	
Identification	linkage between Taxon and Occurrence	
Taxon	scientific names, vernacular names, names usages, taxon concepts, and the relationships between them	
GeologicalContext	geologic time, chrono-stratigraphy, biostratigraphy, lithostratigraphy	
ResourceRelationship	explicit relationships between identified resources (e.g., one organism to another, taxon to location, etc.)	Generic Darwin Core (relational)
MeasurementOrFact	measurements, facts, characteristics, assertions, references	



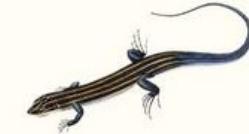
Taxonomic checklist



eDNA metabarcoding



Camera trap



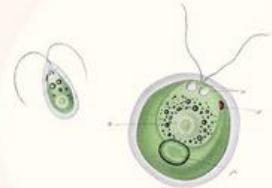
Tissue samples



Environmental and
community measurements



Automatic moth trap



Global malaise programme



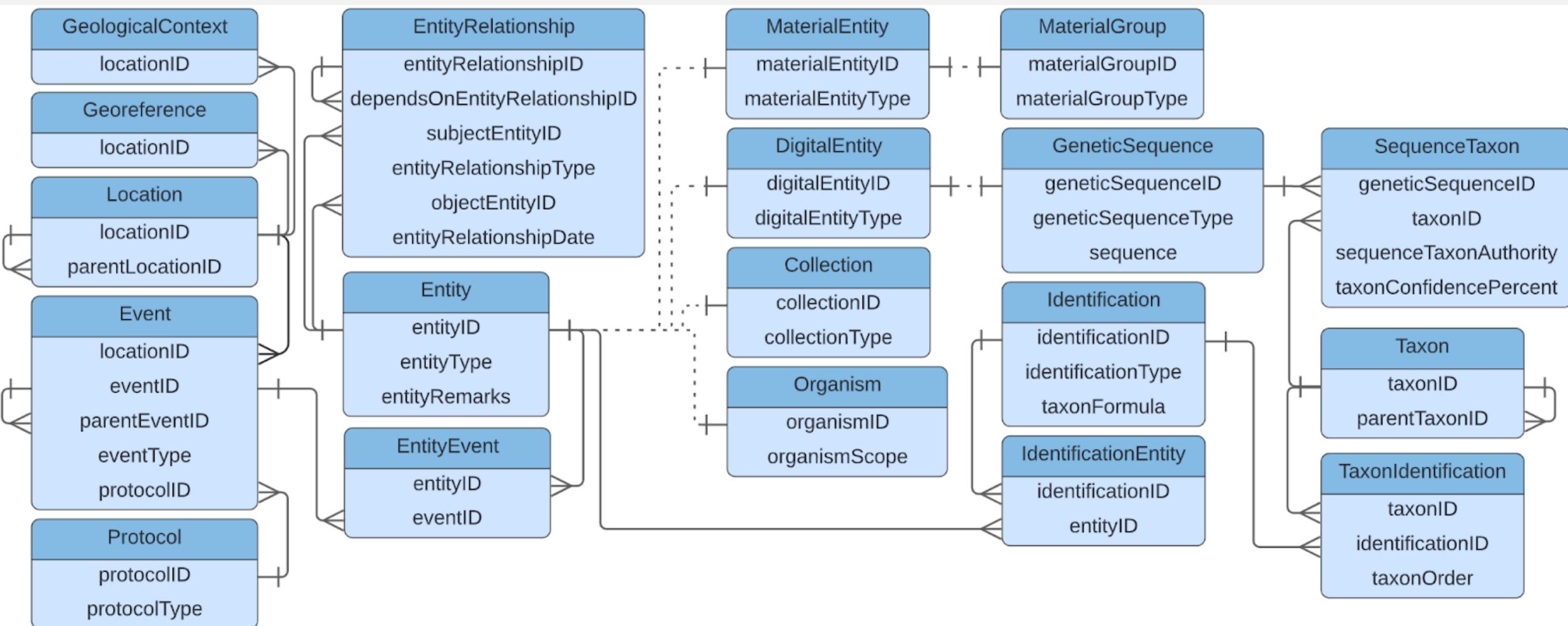
iNaturalist



Specimens with media



Ecological survey data
exchange specification



De los portales de datos a los VRE

- Wikipedia > “...an online system helping researchers collaborate. Features usually include **collaboration** support (Web forums and wikis), document hosting, and some discipline-specific **tools**, such as **data** analysis, visualisation, or simulation management.”
- Por tanto, además de datos, hablamos de métodos, herramientas, visualizaciones, *workflows* (código)
- VRE = VLabs = Entornos virtuales de investigación = Laboratorios virtuales

Ejemplo

<https://espacial.gbif.es/#>



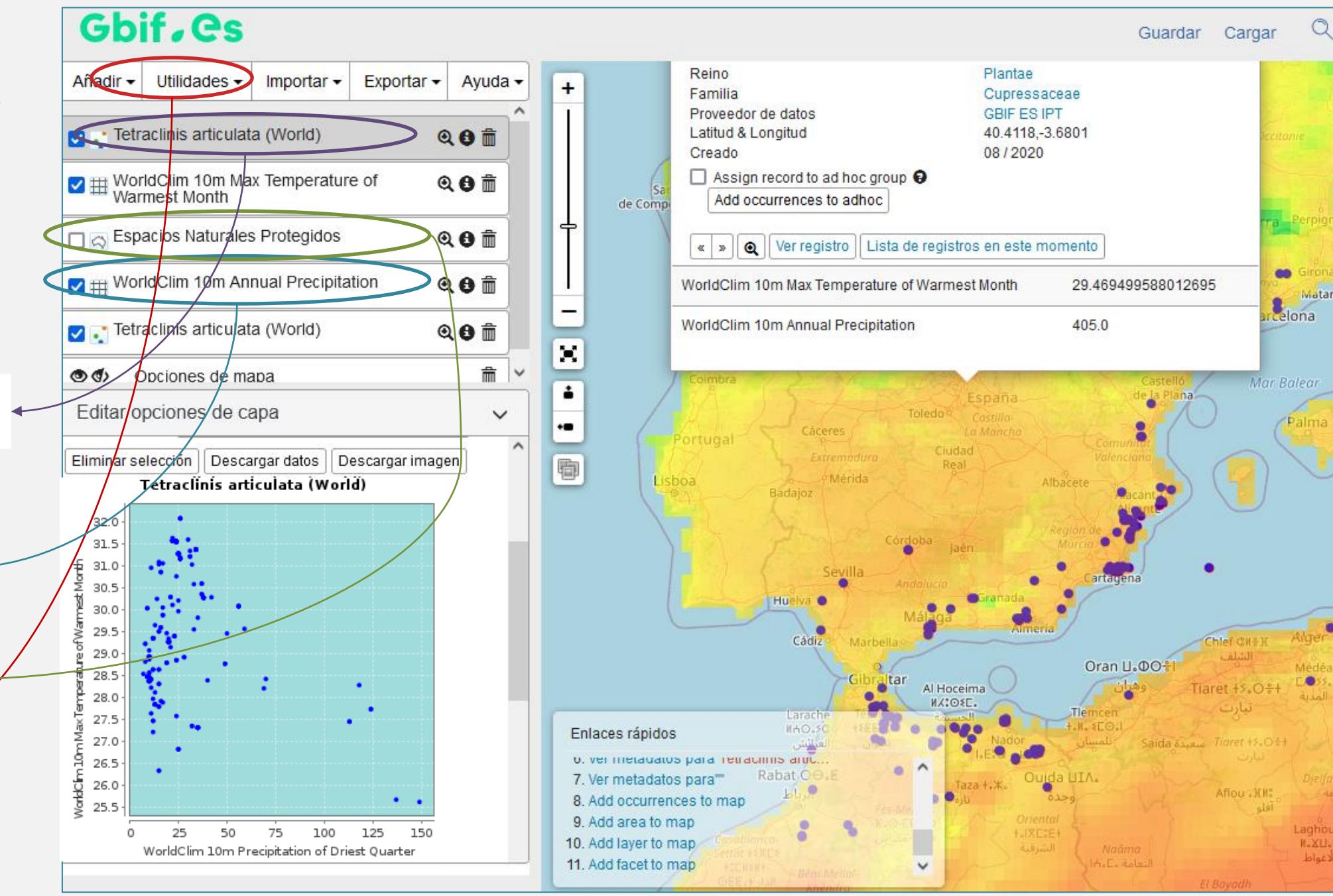
Datos de biodiversidad
(observaciones-
distribución)

Capas ambientales
(Clima)

Polígonos (ENP)s

Algoritmos

Reutilizable ("llave en
mano")



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Carlos de Mier. https://www.myxotropic.org/comatricha-2/#gallery_fancybox_10026-1