

Strengthening Zimbabwe's GBIF node through collaboration with GBIF Spain

CESP PROJECT. 24-27 SEPTEMBER 2019. MADRID SPAIN



REAL JARDÍN
BOTÁNICO

Gbif.es

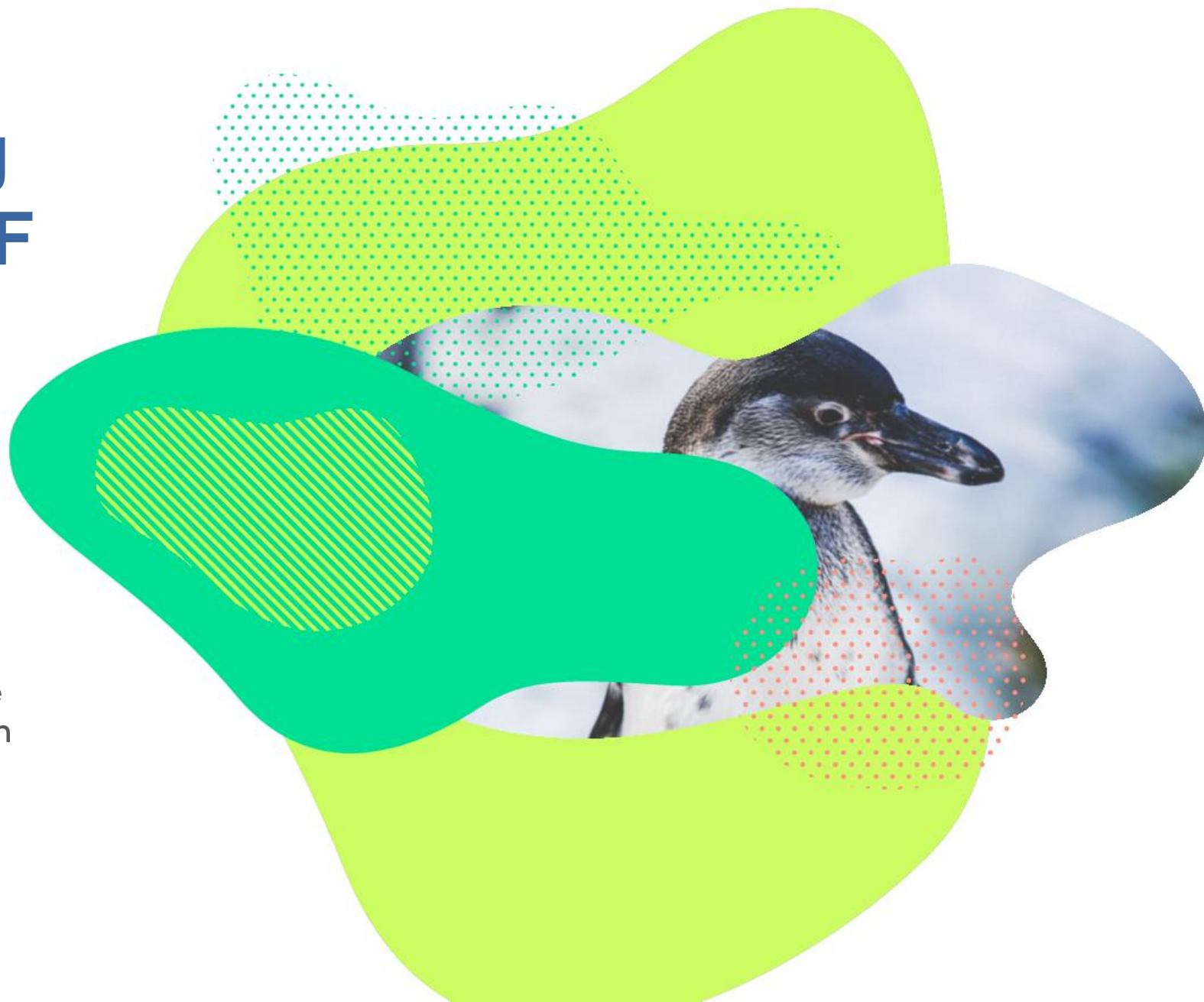


Steps to follow during publishing data through GBIF

Strengthening Zimbabwe's GBIF node
through collaboration with GBIF Spain

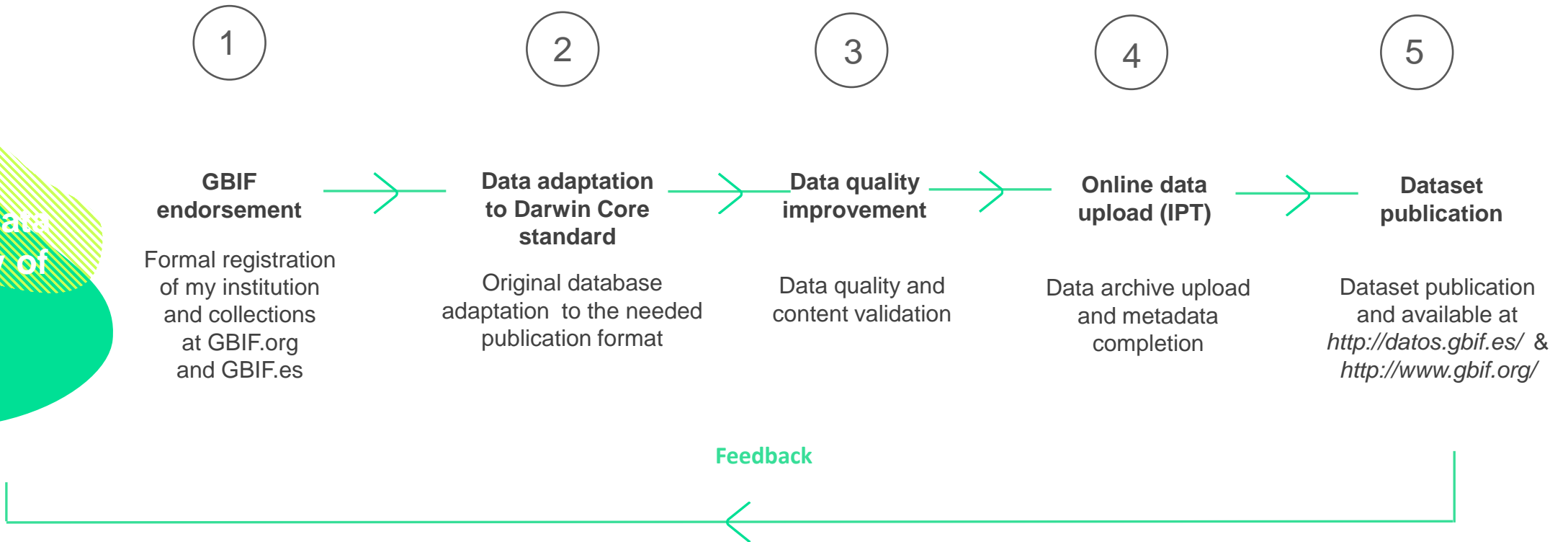
Miguel Vega
miguel.vega@rjb.csic.es

Gbif, Es



Steps to follow during publishing data through GBIF

Digitized data
in a variety of
formats





GBIF endorsement

0 GBIF endorsement

Sign up at **GBIF.org**

You should officially register your institution to become part of the GBIF publisher network.



[Fill in this form](https://www.gbif.org/become-a-publisher)

<https://www.gbif.org/become-a-publisher>

Some basic information about the publisher institution will be required: name, short description, contact details, website, etc.



0 GBIF endorsement

Sign up at GBIF.org

Organization details

Your chance to tell GBIF users who you are and what you do.

Organization name *

Home page

Email

Phone

Organization email e.g. secretariat@fibg-museum.org

Address *

City *

Province

Postal code

Country *

▼ Logo

E.g. <http://my.organization.org/images/logo.png>



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What and how

Help us understand what kind of data you plan to publish, and what support you may need.

GBIF.org supports publication of four types of data, explained [here](#). Responsibility for formatting the data and hosting the original datasets remains with the data publisher, but we can help you find appropriate technical solutions.

Which types of data do you expect to publish?

☐ Resources metadata ☐ Checklist data ☐ Occurrence-only data ☐ Sampling-event data

Do you have EITHER the capacity to run a live server, OR access to a server, through which you will make your original dataset available to GBIF.org?

☐ Yes ☐ No

Are you planning to instal and run publishing software (such as the [Integrated Publishing Toolkit – IPT](#)) to publish your data directly to GBIF.org?

☐ Yes ☐ No

Do you need help in publishing your data?

☐ Yes ☐ No



0 GBIF endorsement

Asunto: RV: Endorsement request from Real Jardín Botánico Juan Carlos I

Dear Node Manager,

The organization 'Real Jardín Botánico Juan Carlos I' has submitted an expression of interest in registering as a new publisher in the GBIF network and has requested endorsement by the GBIF Spain.

We ask you to review this request — the full text of which is included below — and consider this request for endorsement. If you approve it, the publisher "Real Jardín Botánico Juan Carlos I" will be listed in the GBIF registry under your Participant node here:

<http://www.gbif.org/country/ES>.

Do note that none of Real Jardín Botánico Juan Carlos I's datasets will be indexed through GBIF.org until you act on the request.

You may wish to consult these guidance notes on endorsement on GBIF.org (<http://www.gbif.org/publishing-data>). If you have any questions, please reply to us at helpdesk@gbif.org.

Please answer YES, NO, or reply to request further details.

Thank you very much,

GBIF Helpdesk

0 GBIF endorsement

Sign up at [GBIF.org](https://gbif.org)

Institutions must be endorsed by any GBIF participant node before becoming a data editor. The approval is intended to guarantee:

1. Relevant data
2. Stable and permanent storage
3. The publisher institution is trustworthy
4. Open and reusable data
5. Data manager assigned to the publication process and data upgrading



0 GBIF endorsement

Asunto: RE: New expression of interest

Dear Mrs. Neus Nualart,

Your organization " Herbarium specimens of threatened vascular plants in Catalonia" has been endorsed by GBIF Spain and is now registered here:

<http://www.gbif.org/publisher/ecb9d4a0-9e99-4ce7-b571-925a963a4d32>

If you are using the IPT to publish biodiversity data you will also need this password : **z5voFC** in order to associate your organization with the new datasets.

Welcome to the GBIF network,

Jan K. Legind

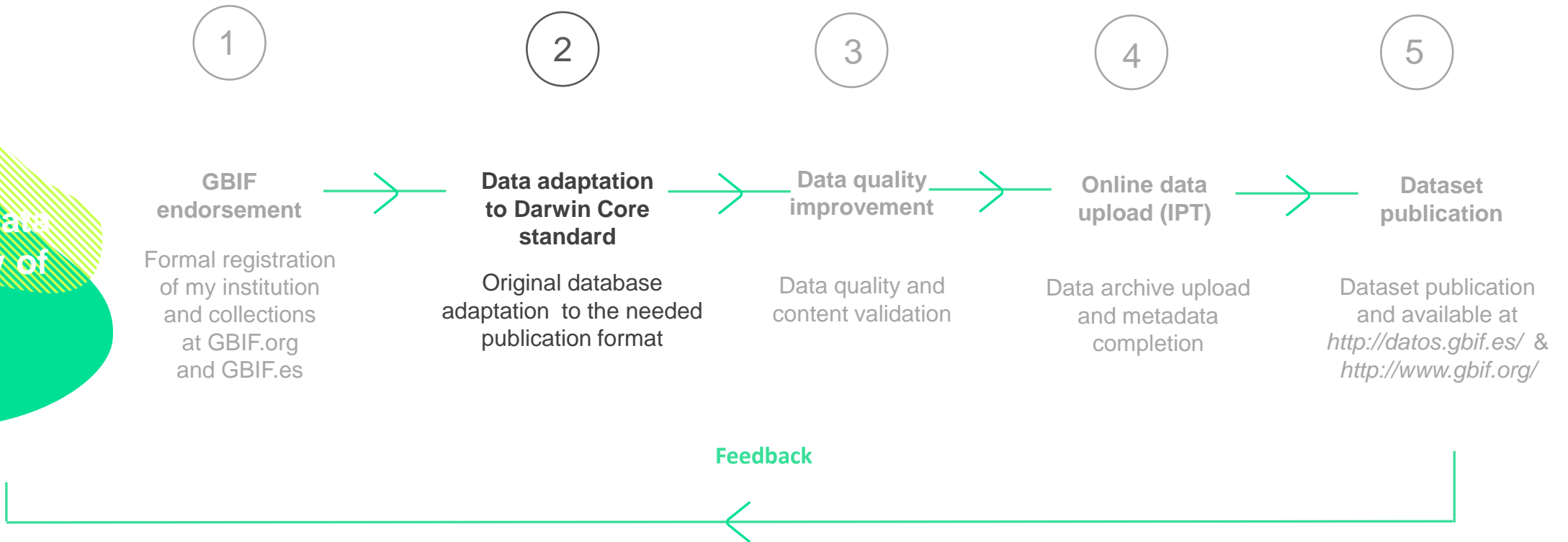
Data manager, GBIF Secretariat

A portrait of Charles Darwin, an elderly man with a long white beard and hair, wearing a dark suit and a white cravat. The image is tinted with a reddish-orange color.

Data adaptation to Darwin Core standard

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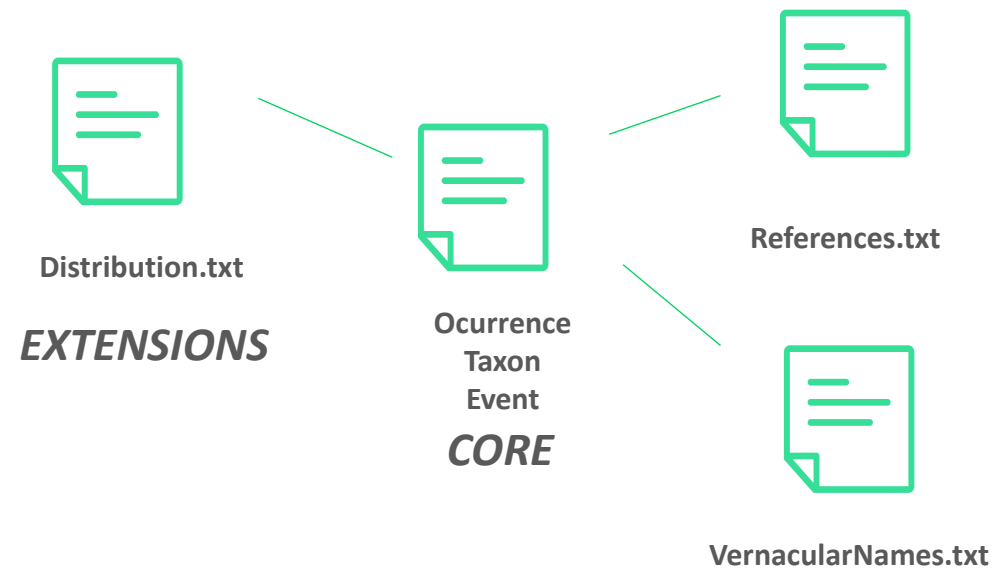


Data adaptation to Darwin Core standard

What is the Darwin Core standard?

Darwin Core (DwC) is a common language designed to globally publish biodiversity occurrences:

- **CORE-** It contains around **170 terms** (Simple DwC)
- **EXTENSIONS-** Around 25 thematic **extensions** packages (measures, vernacular names, etc.) (Extended DwC)



Developed by
[Biodiversity Information Standards](#) (TDWG)

Data adaptation to Darwin Core standard

How does the
standard
adaptation
process work?

Through this process, we look for an equivalent field (columns) in the Darwin Core standard for the fields contained in my original database.

Original database

Scientific name: *Psammodromus algirus*
(Linnaeus, 1758)

Kingdom: Animalia

Family: Lacertidae

Herbaria identification: 5265-1

Collection date: 16-Ene-80

Identifier: R. Goert

Coordinates: 31TBE65

Darwin Core standard

ScientificName: *Psammodromus*
algirus (Linnaeus, 1758)

Kingdom: Animalia

Family: Lacertidae

CatalogNumber: 5265-1

EventDate: 1980-01-16T04:07-0600

IdentifiedBy: R. Goert

VerbatimCoordinates: 31TBE65

DecimalLatitude: 39.31

DecimalLongitude: -0.27

<http://rs.tdwg.org/dwc/terms/>

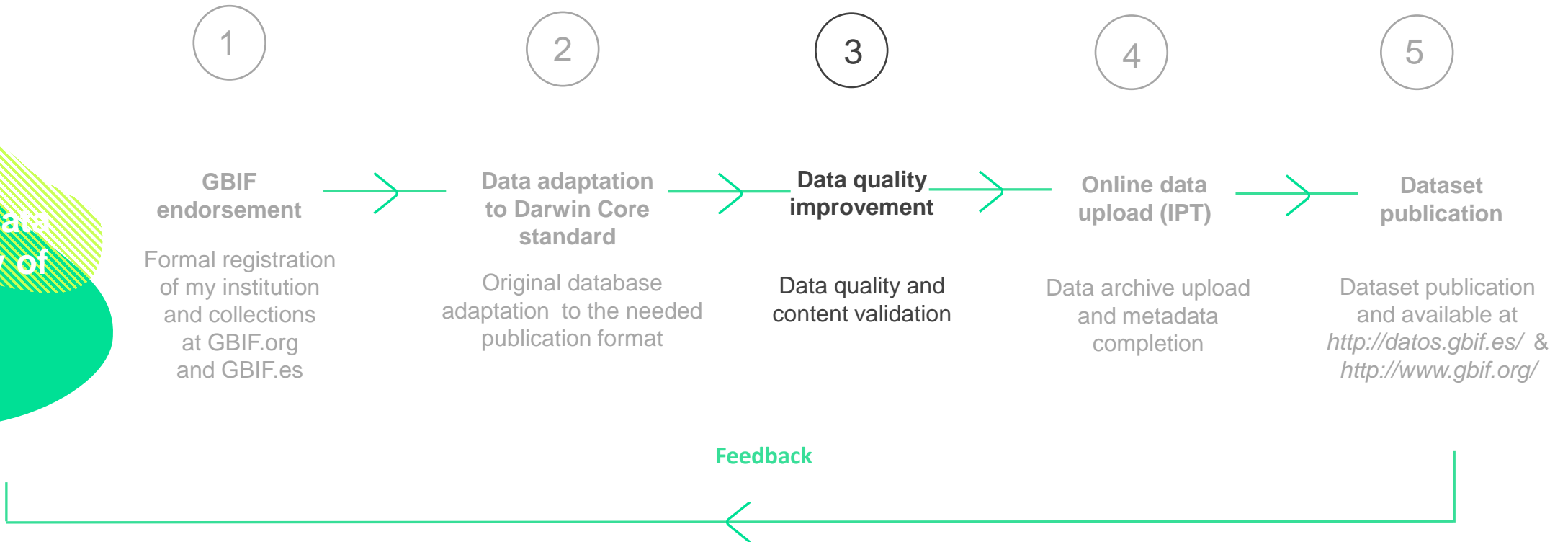
<https://sites.google.com/humboldt.org.co/wikisib/publicar/est%C3%A1ndares/darwin-core?authuser=0>

Data quality improvement

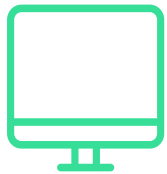


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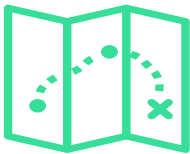


Useful tools for data quality and depuration



General tools for data storage and management

- Excel, Access, Open Office, etc.



Tools for the validation (and conversion) of scientific names, dates and coordinates

- Tools for scientific name management (status, authors, taxa clasification, etc.)
- Geographical tools (coordinates visualization and conversion)
- Tools for data conversion



Tools for data depuration and validation

- Open Refine
- Darwin Test
- Darwin Core Archive Validator

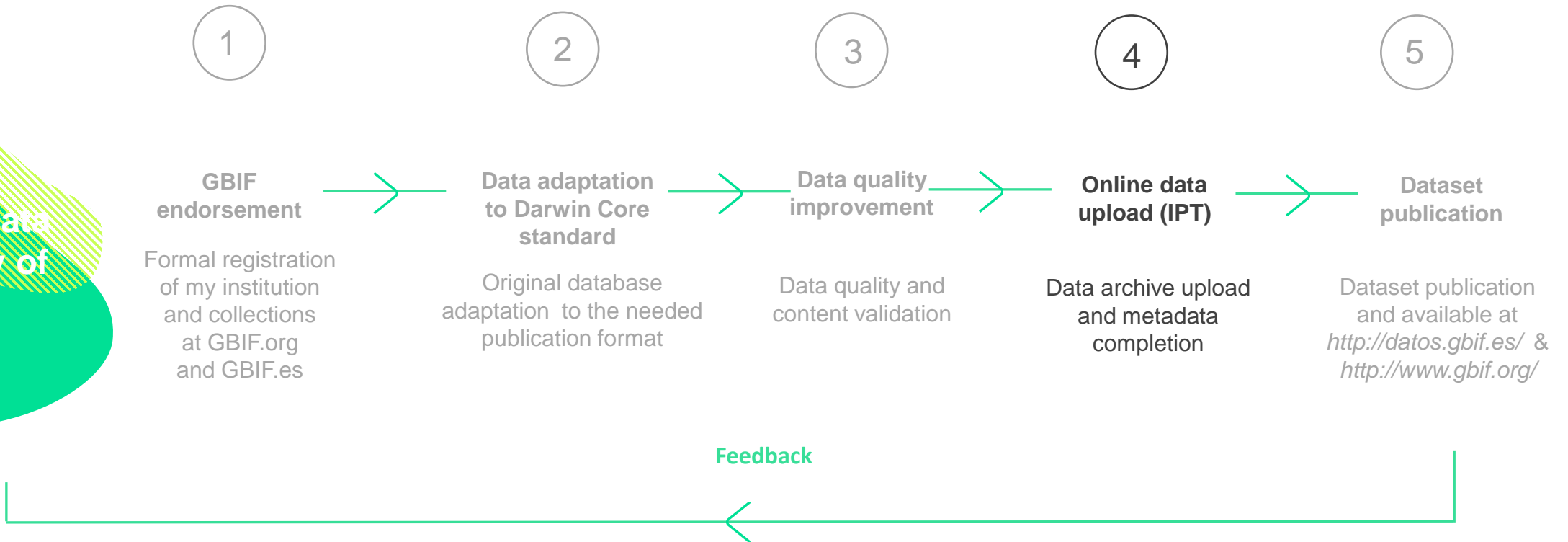


Online data upload (IPT)



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Online data upload (IPT)

What is the IPT?


The IPT (Integrated Publishing Toolkit) is a web application developed by GBIF to facilitate the **publication of biodiversity resources** through the network.

This tool allows publishers to upload the already **adapted Darwin Core document** and to complete its annexed **metadata** in a very easy way.

Online data upload (IPT)

<https://ipt.gbif.es/>

Login to access




**GBIF** INTEGRATED PUBLISHING TOOLKIT (IPT)
free and open access to biodiversity data

ENGLISH
FRANÇAISE
ESPAÑOL
繁體中文
PORTUGUÊS
日本語

Home About

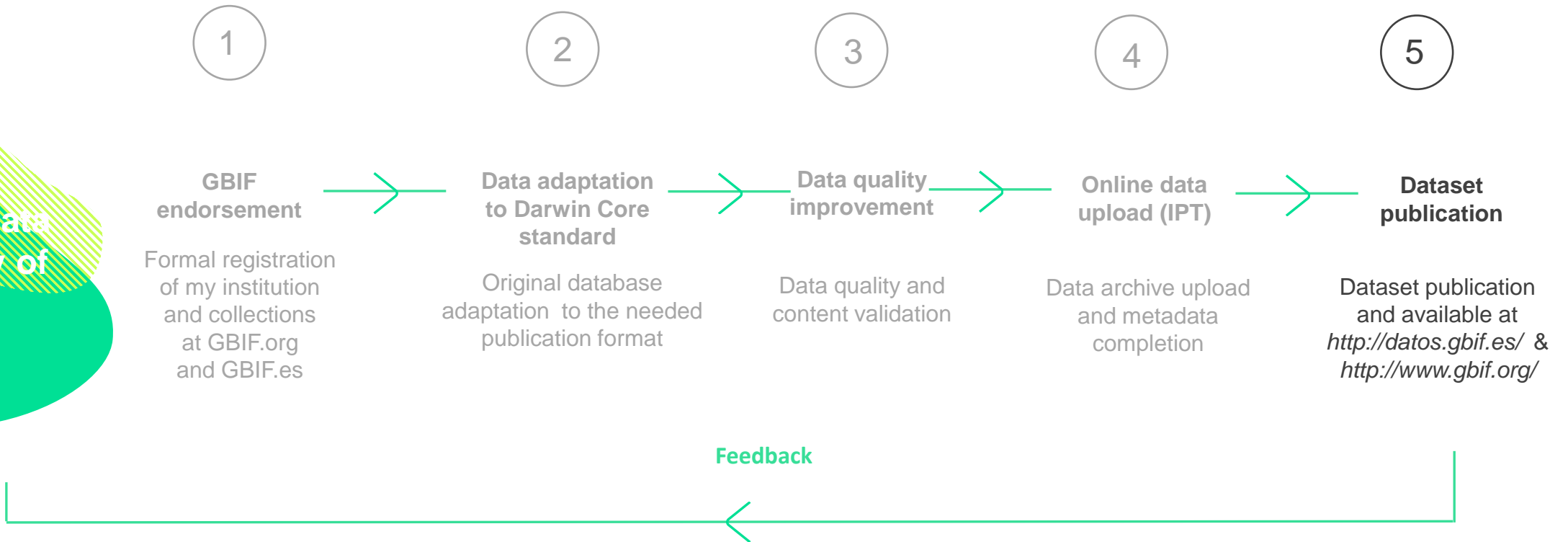
Hosted resources available through this IPT

Filter:

Logo	Name	Organisation	Type	Subtype	Records	Last modified	Last publication	Next publication
	Anillamiento SEO_Bird ringing	Sociedad Española de Ornitología (SEO/BirdLife)	Occurrence	Specimen	8,951,685	2017-03-23	2017-03-22	--
--	FloraCAT: Banco de datos de los cormófitos de Cataluña	Banc de dades de biodiversitat de Catalunya	Occurrence	Observation	1,703,418	2016-04-06	2016-04-05	--
	Fundación Biodiversidad. Real Jardín Botánico (CSIC): Anthos. Sistema de Información de las plantas de España	Anthos: Spanish Plants Information System, Biodiversity Foundation-Royal Botanical Garden, CSIC	Occurrence	--	1,667,138	2015-11-25	2015-11-25	--
	Aranzadi Ringing Scheme	Aranzadi Science Society	Occurrence	Observation	635,474	2016-10-	2016-10-27	--

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Dataset publication

The process will finish by pressing a button. Then, the biodiversity data will be uploaded to the GBIF network and the Darwin Core Archive (DwC-A) will be generated.



Online data upload (IPT)

<https://ipt.gbif.es/>

OCCURRENCE DATASET | REGISTERED 23 MARCH 2017

Anillamiento SEO_Bird ringing

Published by [Sociedad Española de Ornitología \(SEO/BirdLife\)](#)

SEO/BirdLife SEO/BirdLife • Arantza Leal

[DATASET](#) [METRICS](#) [ACTIVITY](#) [DOWNLOAD](#) [DATASET HOMEPAGE](#)

8.957.407 OCCURRENCES

2 CITATIONS

Scientific bird ringing is a research method based on the individual marking of birds. Bird Ringing involves the marking of individual birds by highly trained ornithologists to provide vital data on migration patterns, demography and ecological processes.



Metadata Last Modified: 23 October 2017

Data Last Changed: 7 September 2017

License: CC BY-NC 4.0

[How to cite](#) [DOI](#) 10.15470/1byo33

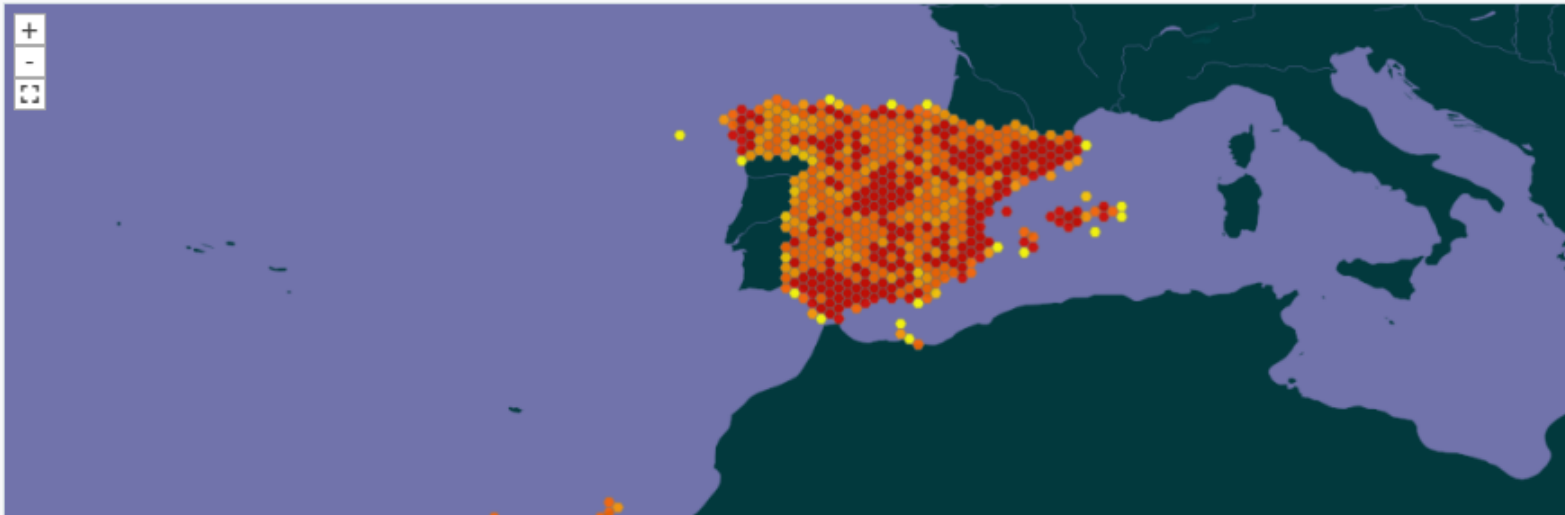
8.957.407
Occurrences

100%
With taxon match

98%
With coordinates

99.9%
With year

8.738.169 GEOREFERENCED RECORDS



Gbif.es

Thanks for your attention!

miguel.vega@rjb.csic.es



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BOTÁNICO

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