

Catalogue of Life Plus

Innovating the CoL systems as a foundation for

A global clearinghouse for names and taxonomy



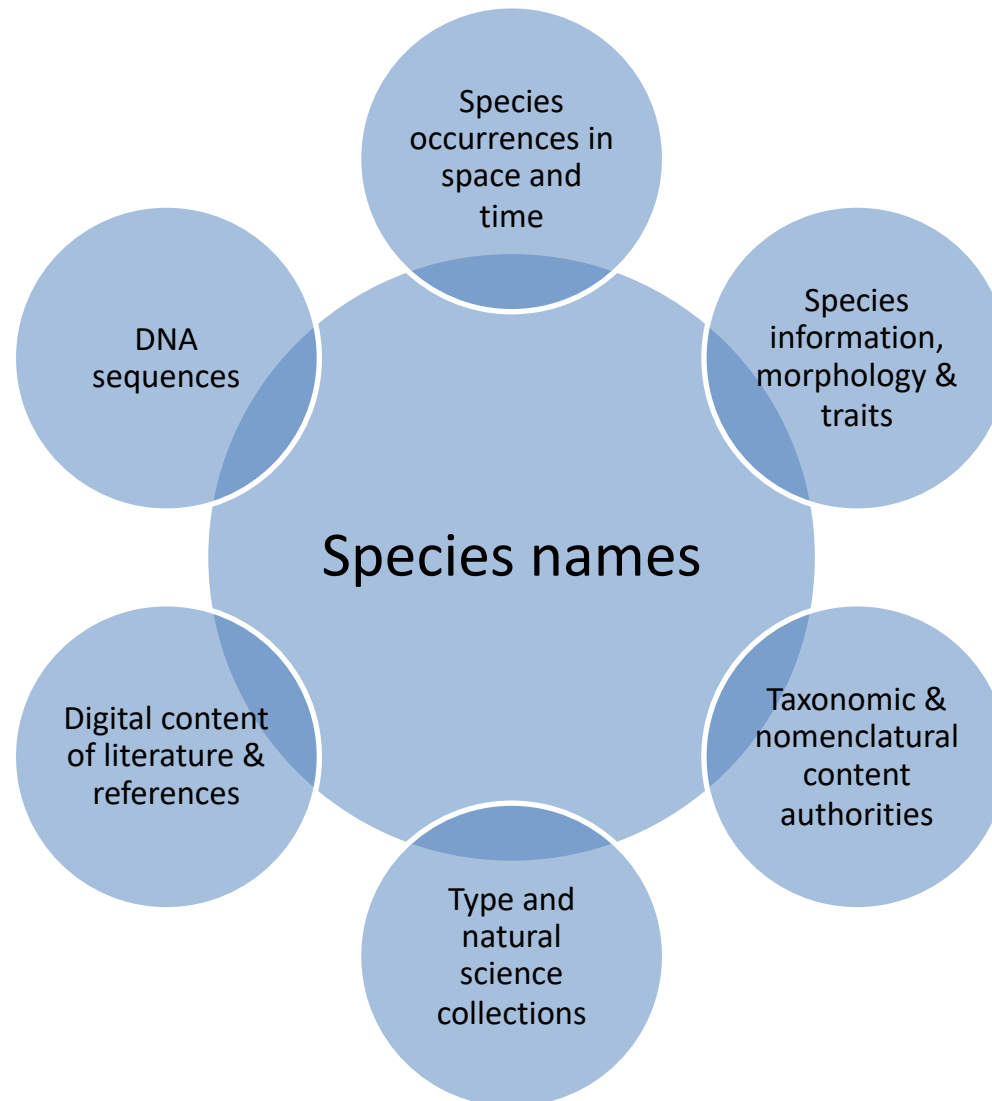
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Kilkenny 17 October 2018

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ALL INFORMATION RELATED TO A SPECIES IS TIED TO A SCIENTIFIC NAME



CATALOGUE OF LIFE

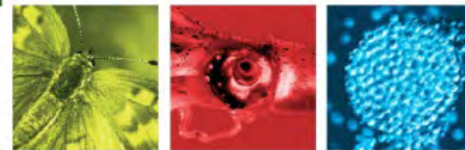
2018 Annual Checklist



2018

1.8 Million Species

SPECIES  2000



Most comprehensive and authoritative global index of species currently available.

www.catalogueoflife.org

GBIF BACKBONE TAXONOMY

The GBIF backbone allows taxonomic search, browse and reporting operations across all resources in a consistent way and to provide means to crosswalk scientific names from one source to another.

The screenshot shows the GBIF Backbone Taxonomy dataset page. At the top, there is a green navigation bar with a logo on the left and links for 'Get data', 'Share', 'Tools', and 'Inside GBIF'. On the right side of the bar are icons for a home page, search, and chat, along with a 'Login' button. Below the navigation bar, the page title is 'CHECKLIST DATASET | REGISTERED 2 MARCH 2011' followed by 'GBIF Backbone Taxonomy' and 'Published by GBIF Secretariat'. A secondary navigation bar contains links for 'DATASET', 'TAXONOMY', 'CONSTITUENTS', 'METRICS', 'DOWNLOAD', and 'DATASET HOMEPAGE'. On the right side of this bar are two buttons: '5,598,776 RECORDS' and '65 CITATIONS'. The main content area features a text block describing the taxonomy, a GBIF logo, and metadata including 'Last Modified: 16 November 2017', 'License: CC BY 4.0', and 'How to cite' with a DOI link. Below this are three circular progress indicators: '2,737,066 Accepted names', '2,279,686 Synonyms', and '48% Overlap with Catalogue of Life'.

Get data Share Tools Inside GBIF Login

CHECKLIST DATASET | REGISTERED 2 MARCH 2011

GBIF Backbone Taxonomy

Published by [GBIF Secretariat](#)

DATASET TAXONOMY CONSTITUENTS METRICS DOWNLOAD DATASET HOMEPAGE

5,598,776 RECORDS 65 CITATIONS

The GBIF Backbone Taxonomy, often called the Nub taxonomy, is a single synthetic management classification with the goal of covering all names GBIF is dealing with. It's the taxonomic backbone that allows GBIF to integrate name based information from different resources, no matter if these are occurrence datasets, species pages, names from nomenclators or external sources like EOL, Genbank or IUCN. This backbone allows taxonomic search, browse and reporting operations acr... [more](#)

GBIF

Last Modified: 16 November 2017
License: [CC BY 4.0](#)
[How to cite](#) [DOI](#) 10.15468/39omei

2,737,066 Accepted names

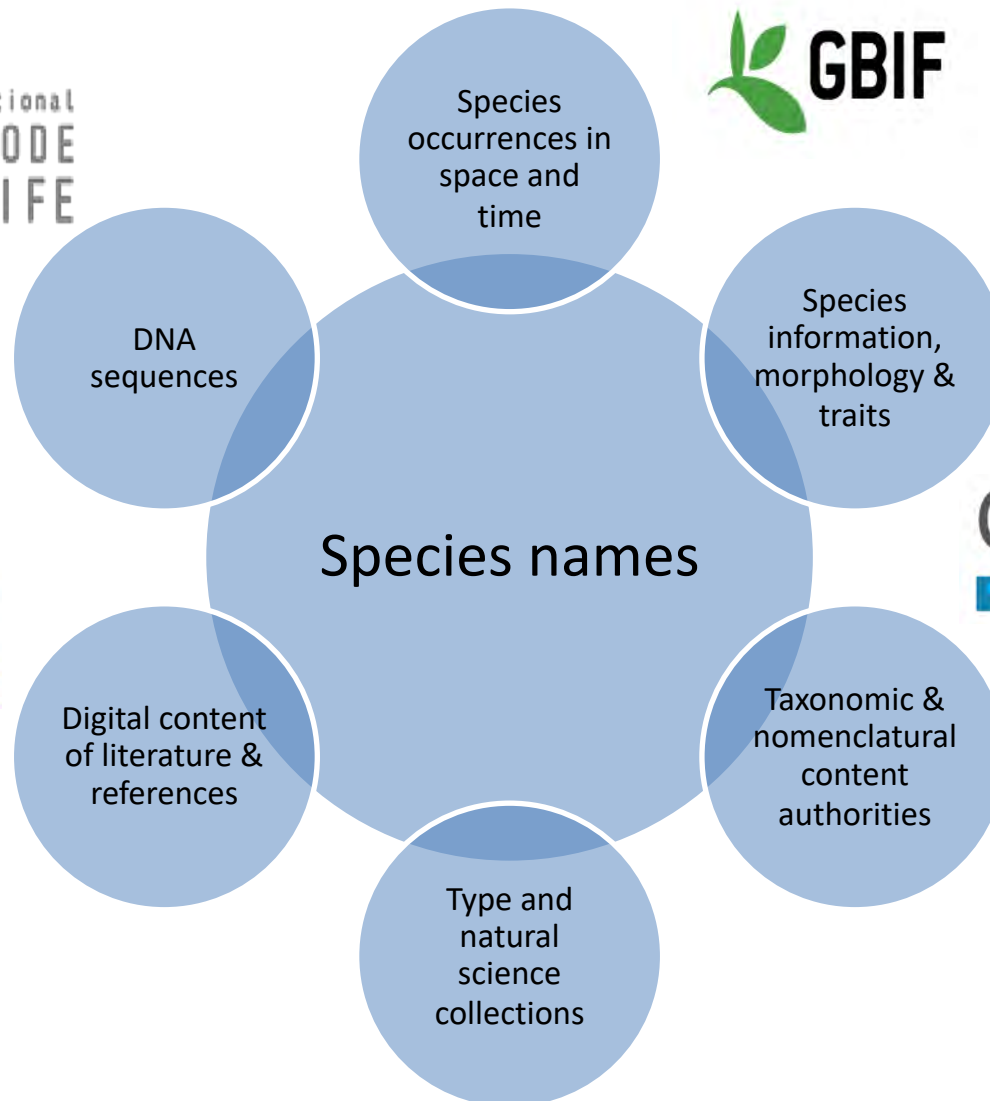
2,279,686 Synonyms

48% Overlap with Catalogue of Life

BUILDING A GLOBAL VISION



international
**BARCODE
OF LIFE**



COL+ PROJECT

2017 - 2019



Strategic & work plan



Global Biodiversity
Informatics Outlook

Taxonomic framework

Catalogue of Life



species 2000

Strategic & work plan

A new infrastructure for the Catalogue of life that

- Includes the GBIF Backbone Taxonomy
- Separates names & taxonomy
- Provides avenues for (infrastructural) support to content authorities

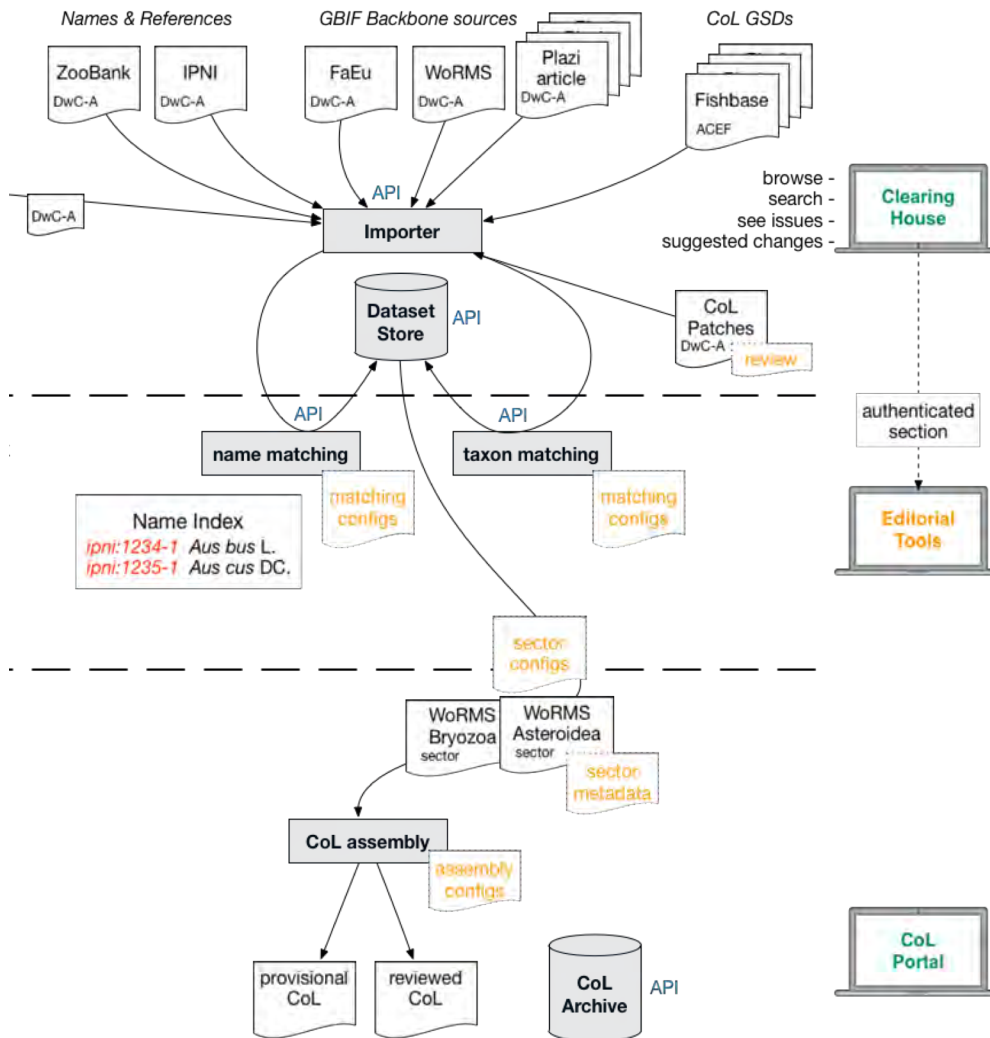


species 2000



ILLINOIS NATURAL
HISTORY SURVEY
PRAIRIE RESEARCH INSTITUTE

DEVELOPMENT ROADMAP



Dataset Store ✓

Importer ✓

Names Index ✓

Editorial Tools

Provisional CoL

Public Portal

Archive Store

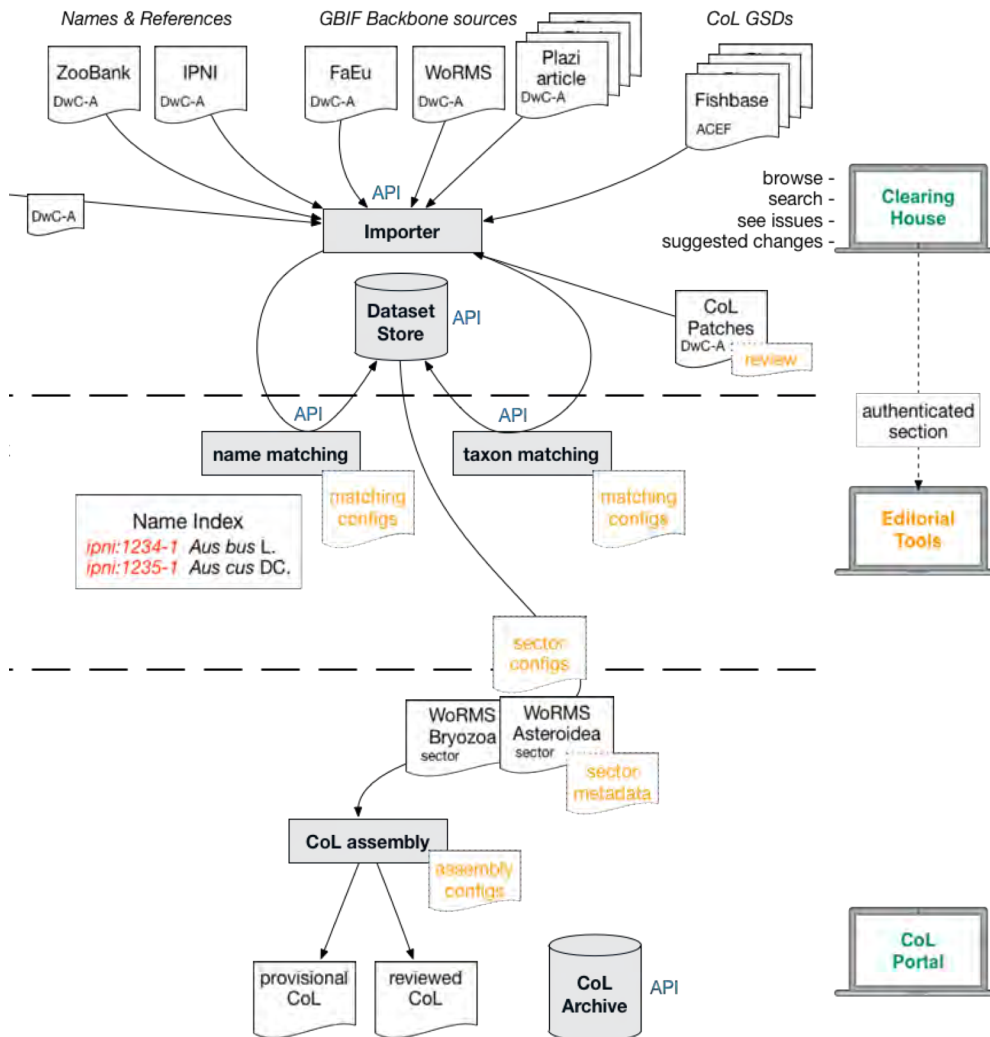
User Comments

Review Queues

Taxon Index

Final Deployment

DEVELOPMENT ROADMAP



Priorities:

1. Catalogue of Life Assembly
2. Provisional Catalogue of Life
3. Review queues & taxon index

PROVISIONAL CATALOGUE OF LIFE

Extending the current Catalogue of Life with data from more sources, creating a much larger name coverage that is useful for GBIF

- Extending the CoL with:
 - new names, references, vernaculars, ...
 - added basionym links
- Changes? Potentially CoL information could be updated
 - preferred nomenclator spelling
 - enlarged synonymy
 - issues in taxonomy through review queues
- Merges information from many sources not globally complete
 - Plazi & Pensoft articles, BHL sources
 - regional lists
 - national lists adding vernacular names

PROGRESS: DATA STORE, NAMES INDEX

COL+ API DEBUGGER API DOCS

COL+ API debugger

This is a little frontend to the great [Catalogue of Life Plus webservices](#) under active development. It is meant as a debugging tool for developments and data discovery. A full portal for the CoL+ Clearinghouse and the Catalogue of Life will follow in the second half of 2018.

Some resources to read more about the project:

- [project introduction](#)
- [project on github](#)
- [backend source code](#)
- [debugger source code](#)
- [API docs](#)

[CoL+ project documentation](#)

[Documentation & source code](#)

- [Names index](#)
- [Catalogue of Life Assembly](#)
- [Editorial tools](#)

[API installation & documentation](#)

[Quick debugger frontend](#)

[ACEF GSD Data](#)

Work in progress, frequent changes

BUILDING THE CONSORTIUM

