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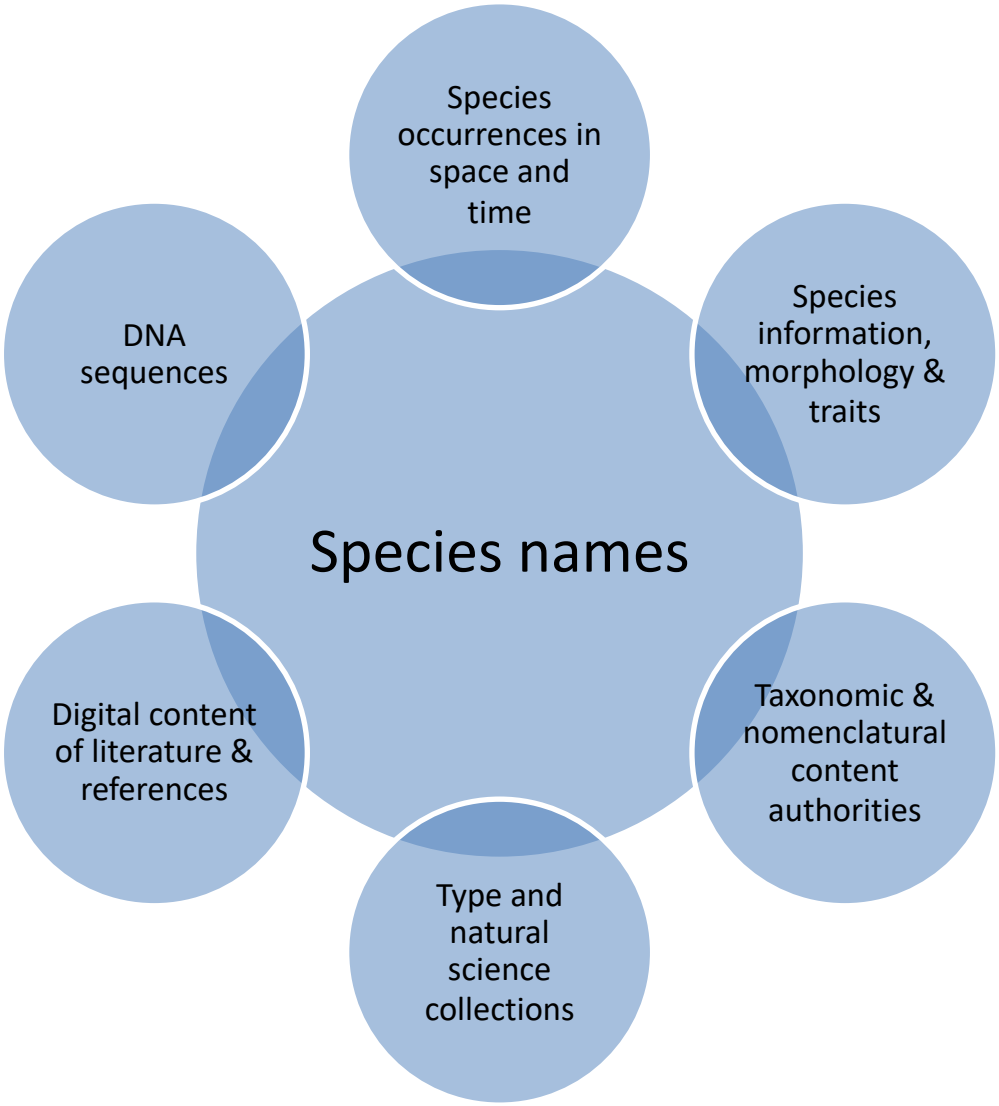
ALL INFORMATION RELATED TO A SPECIES IS TIED TO A SCIENTIFIC NAME



CATALOGUE OF LIFE

2018 Annual Checklist

species 2000

ITIS

1.8 Million Species

Most comprehensive and authoritative global index of species currently available.

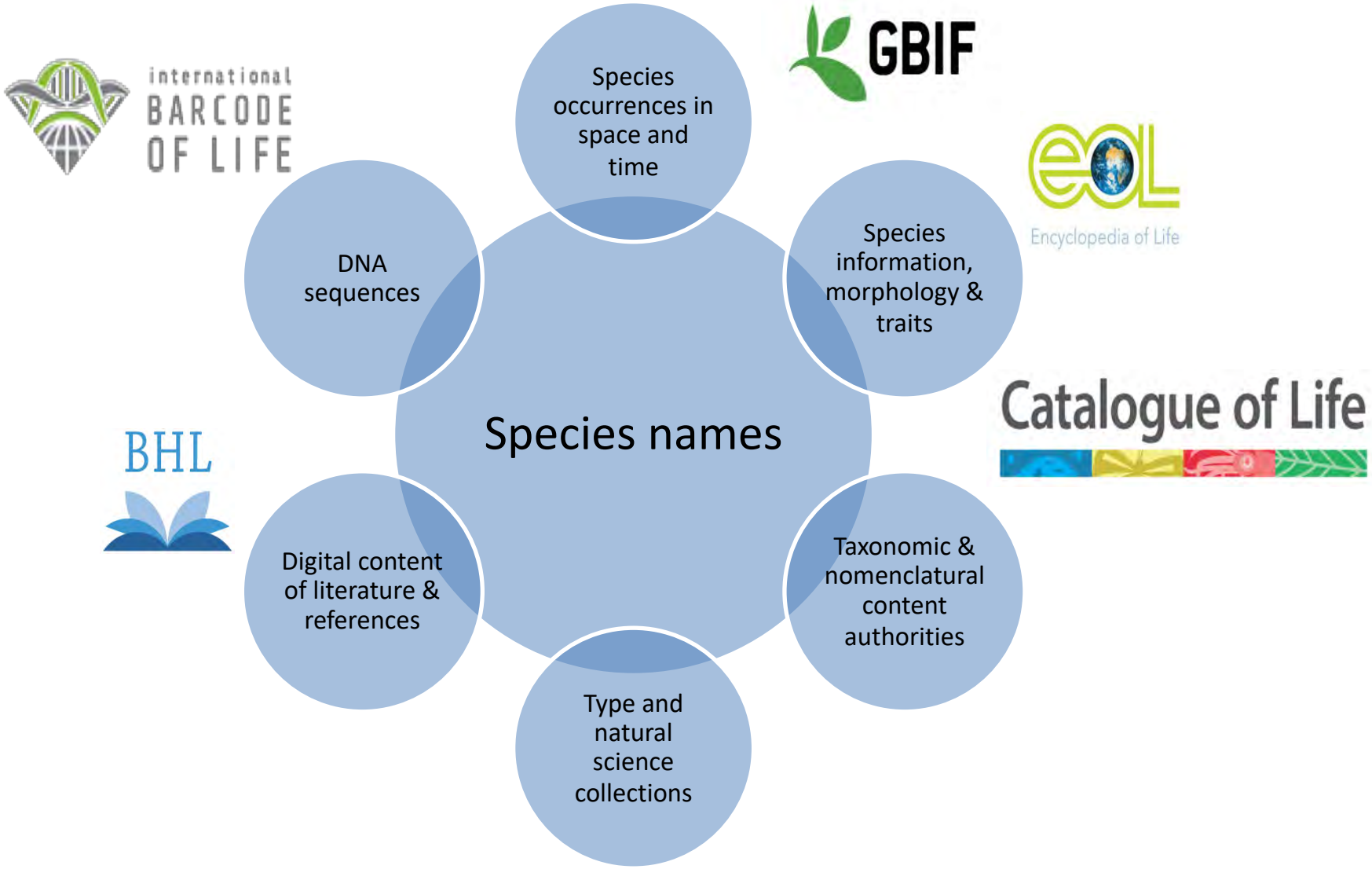
www.catalogueoflife.org

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.

www.gbif.org

BUILDING A GLOBAL VISION



COL+ PROJECT

2017 - 2019

GBIF

Strategic & work plan

Global Biodiversity Informatics Outlook

Taxonomic framework

Catalogue of Life

species 2000

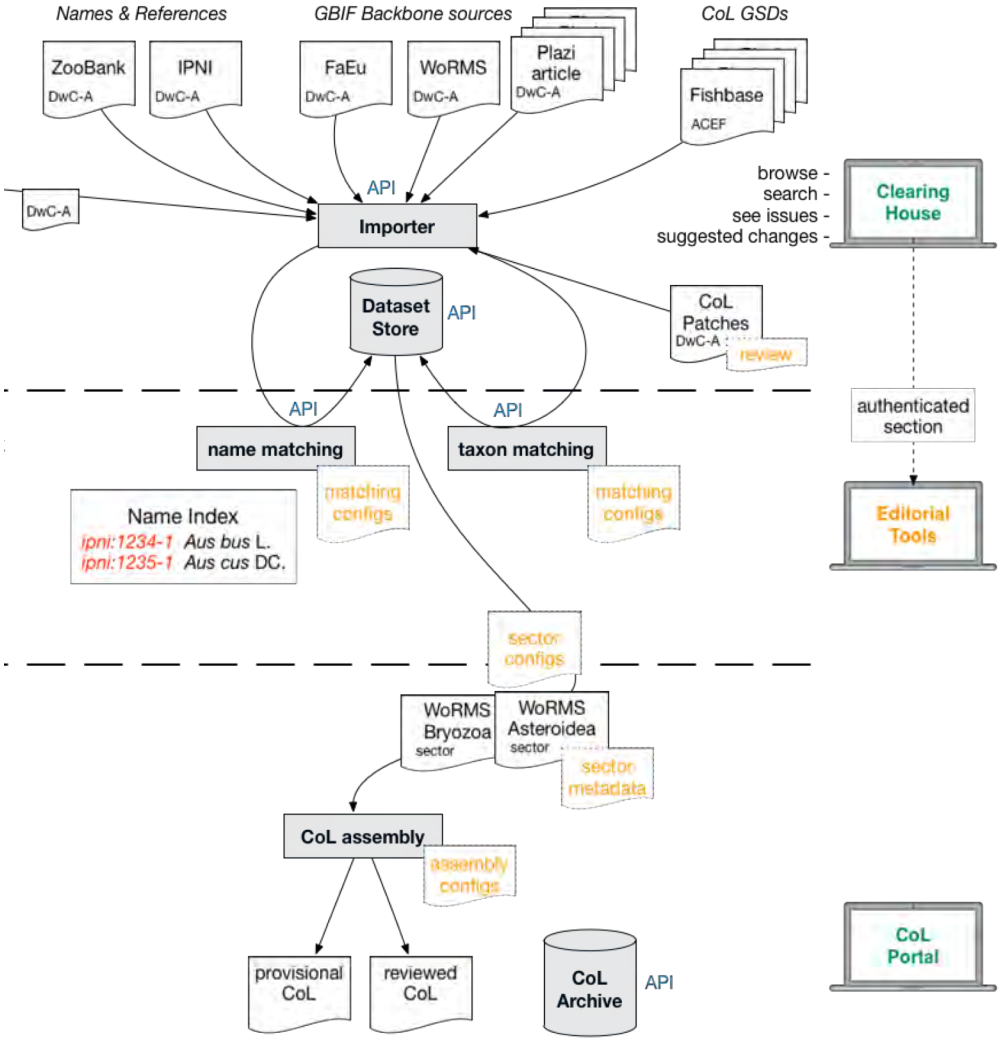
Strategic & work plan

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

GBIF nlbif Catalogue of Life species 2000 ITIS Naturalis Biodiversity Center ILLINOIS NATURAL HISTORY SURVEY PRAIRIE RESEARCH INSTITUTE

DEVELOPMENT ROADMAP



Dataset Store √

Importer √

Names Index √

Editorial Tools

Provisional CoL

Public Portal

Archive Store

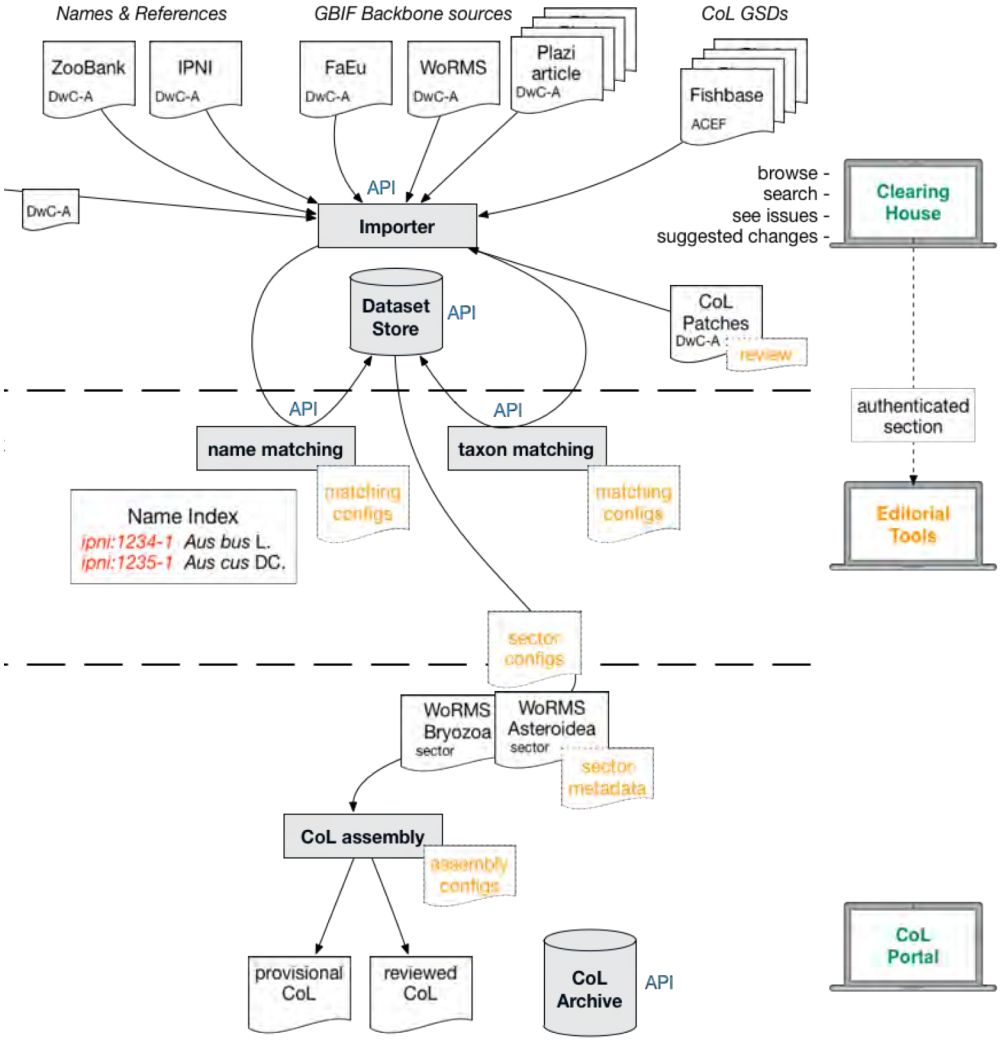
User Comments

Review Queues

Taxon Index

Final Deployment

DEVELOPMENT ROADMAP



Priorities:

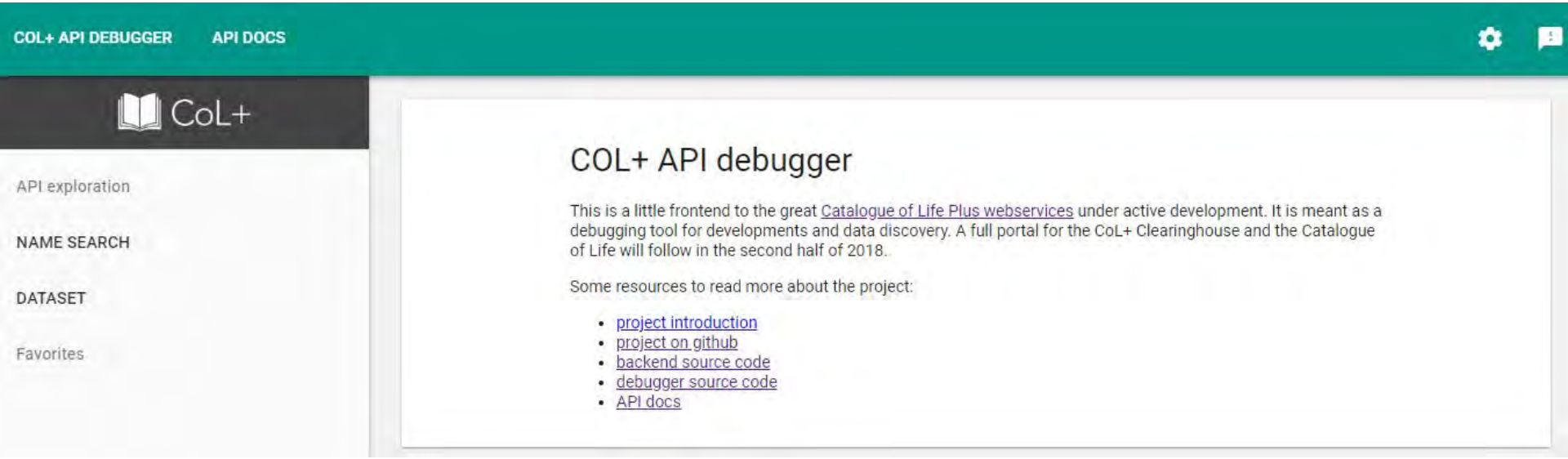
1. Catalogue of Life Assembly
2. Provisional Catalogue of Life
3. Review queues & taxon index

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+ project documentation

Documentation & source code

- Names index
- Catalogue of Life Assembly
- Editorial tools

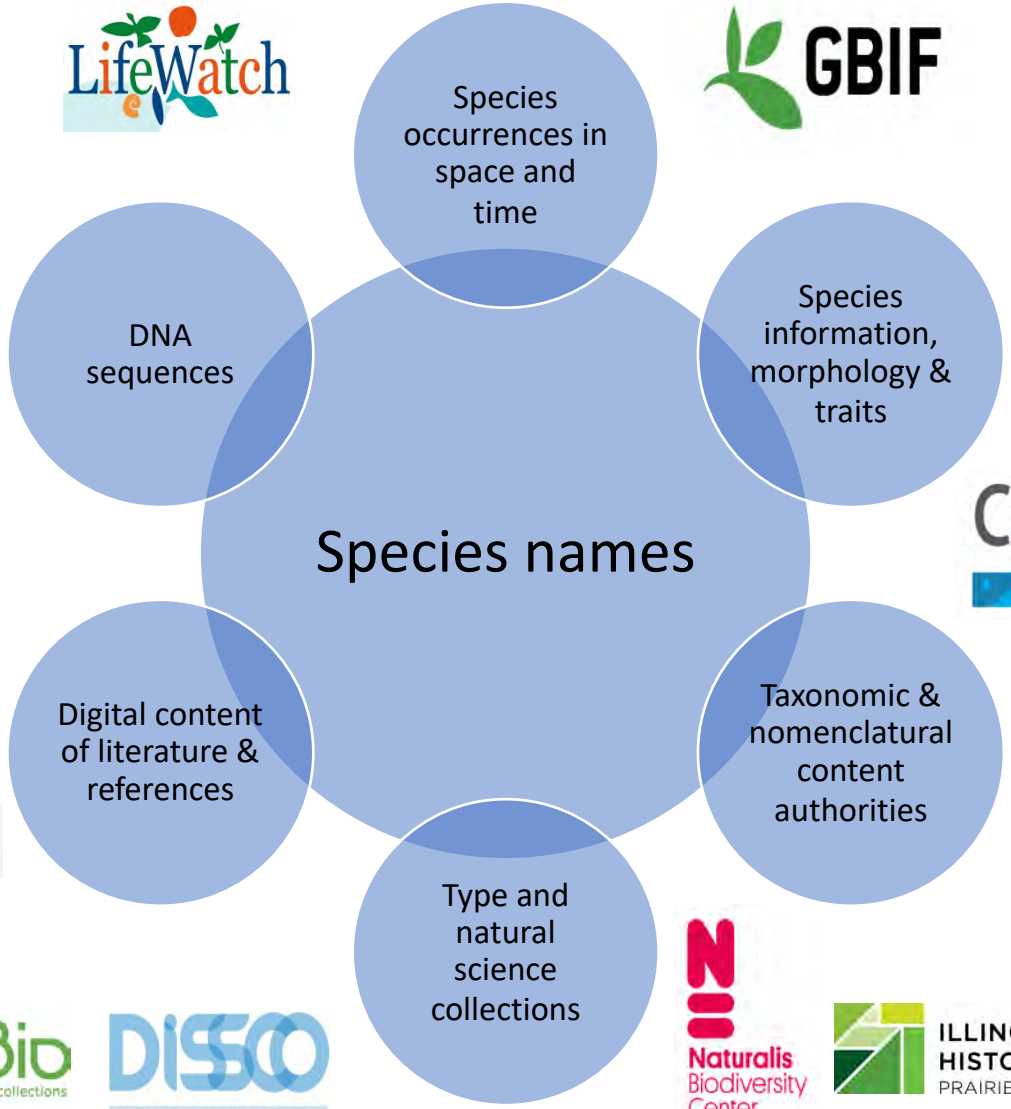
API installation & documentation

Quick debugger frontend

ACEF GSD Data

Work in progress, frequent changes

BUILDING THE CONSORTIUM



LifeWatch

GBIF

international BARCODE OF LIFE

eol Encyclopedia of Life

Catalogue of Life

ZooBank

BHL

I·P·N·I

World Flora Online

PLAZI

ITIS

WoRMS World Register of Marine Species

iDigBio Integrated Digitized Biocollections

DiSSCo Distributed System of Scientific Collections

Naturalis Biodiversity Center

ILLINOIS NATURAL HISTORY SURVEY PRAIRIE RESEARCH INSTITUTE

CETAF CONSORTIUM OF EUROPEAN TAXONOMIC FACILITIES