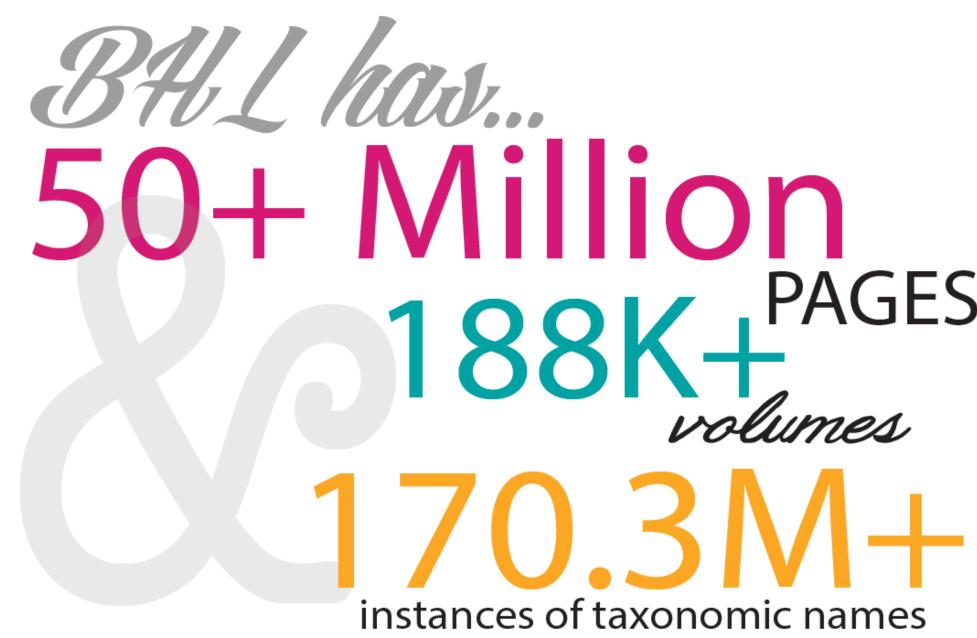


# Visually Representing a Biodiversity Literature Collection Using Metadata and Full Text Analysis

#### **Biodiversity Heritage Library**

The Biodiversity Heritage Library (BHL) is the largest open access digital library for biodiversity literature.

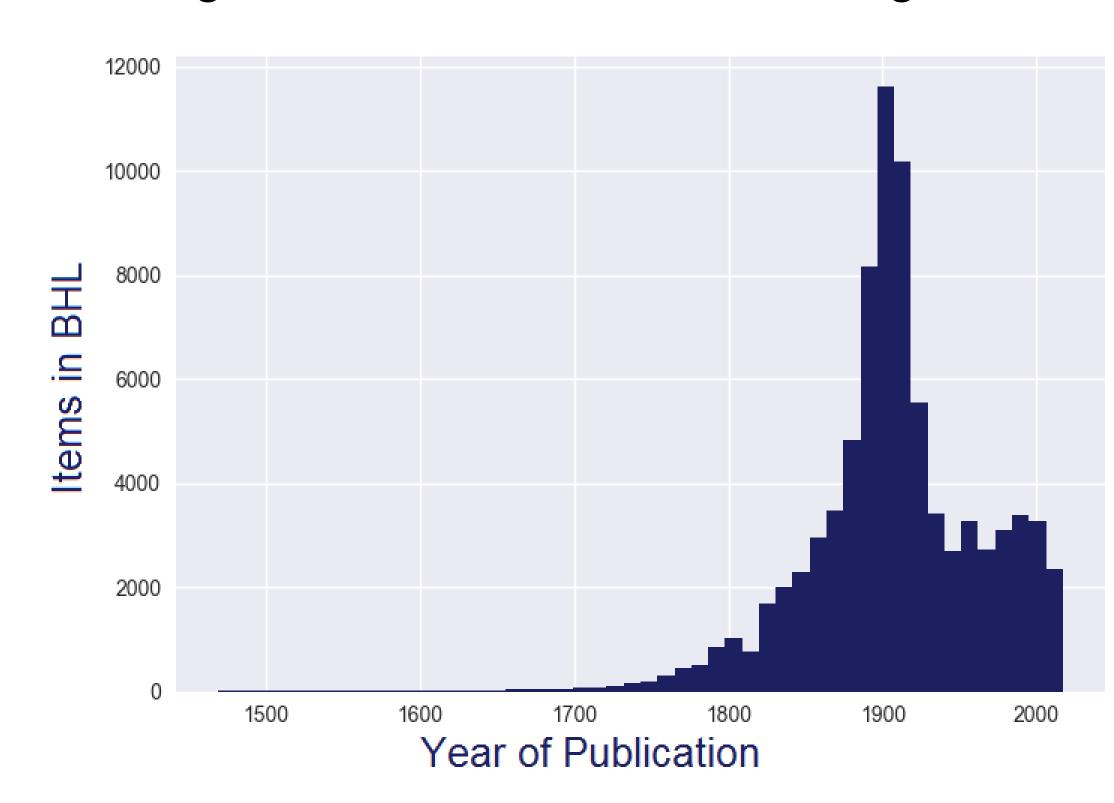


#### National Digital Stewardship Residency

The National Digital Stewardship Residency program funded by the Institute of Museum and Library Services, is partnering with BHL to host five residents to work on best practices and recommendations for a digital library.

#### **Temporal Representation**

Date metadata from item tables and title tables merged to chart collection coverage over time.



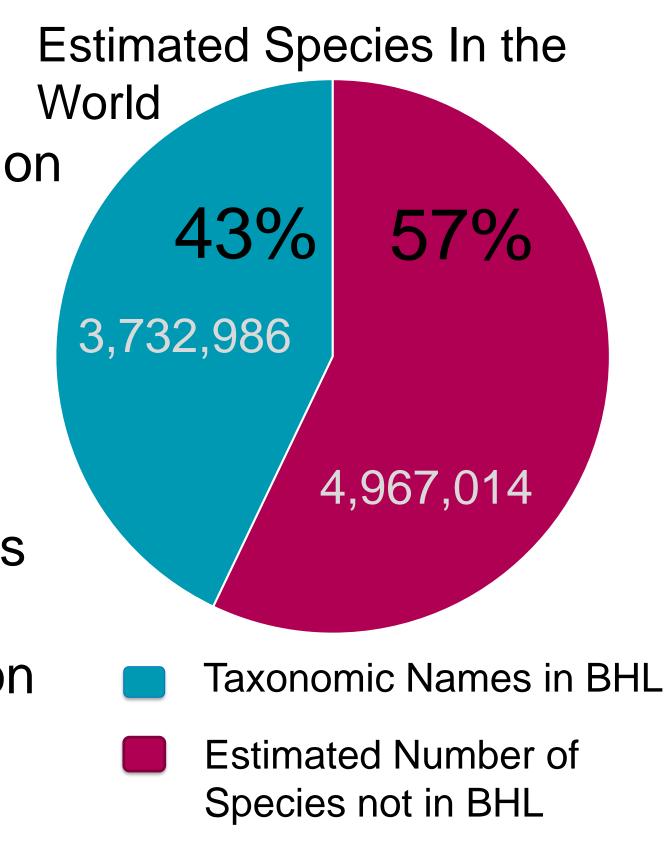
## **Geographic Representation**

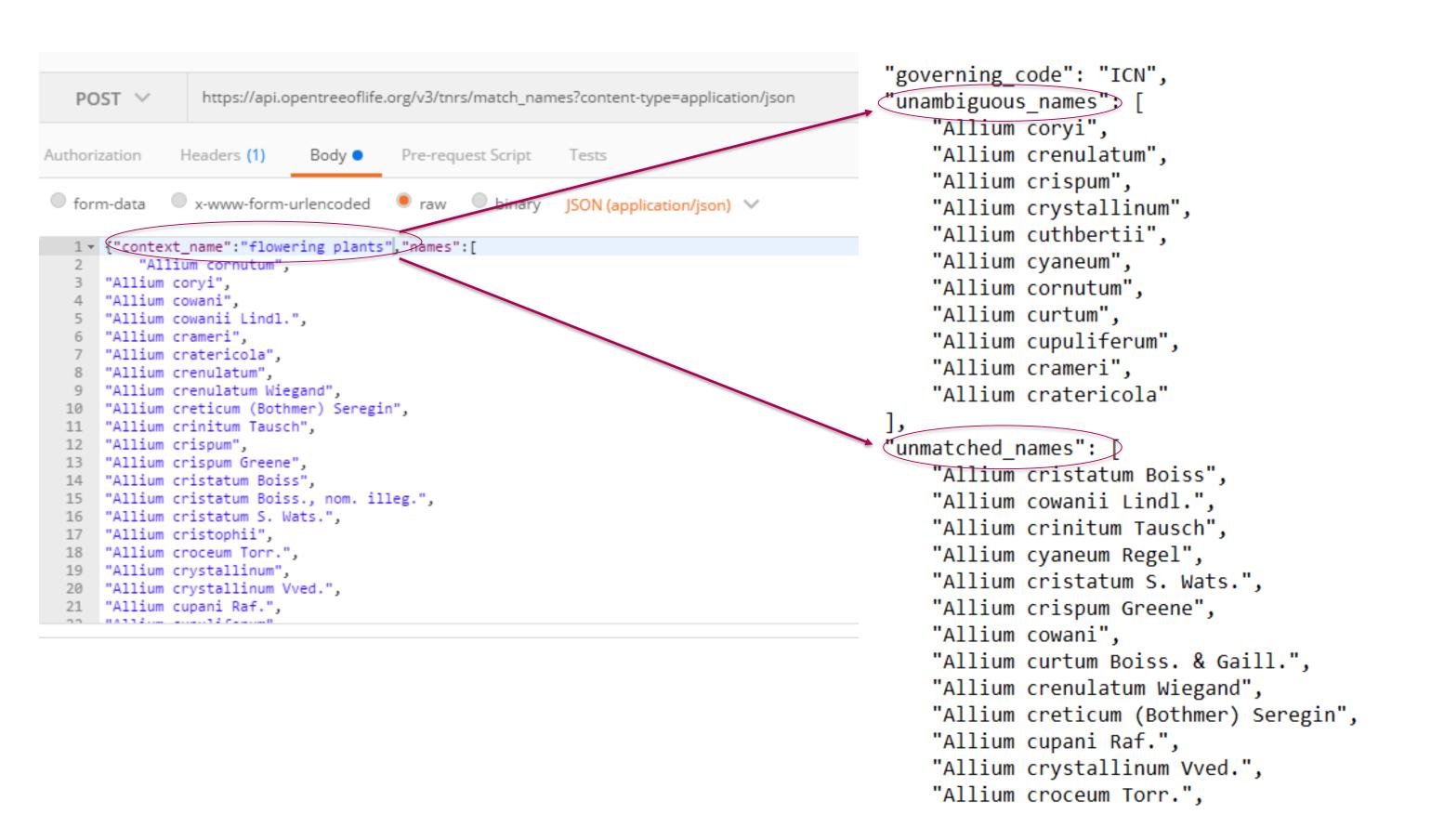
Text mine BHL collection's full text and pull out toponyms (place names) such as cities or countries. Then, use a gazetteer to relate place names into geographic coordinates and plot coordinates on to a map to represent geographic coverage of BHL collection.

### Taxonomic representation

BHL utilizes Global Names Recognition and Discovery services to extract scientific names from the literature.

Open Tree of Life's Taxonomy API can be used to separate out scientific names into broad categories such as animals, plants, and fungi to gain a more granular look at collection coverage based on taxonomic representation.





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