

Conference Abstract

What Can You Do with a TaxonWorks API?

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Abstract

[TaxonWorks](#) is a web-based workbench facilitating curation of a broad cross-section of biodiversity informatics concepts. Its development is currently led by the [Species File Group](#). TaxonWorks has a large, [JSON](#) serving, application programming interface (API). This API is slowly being exposed for external use. The API is documented at <https://api.taxonworks.org>. Here we highlight some existing key features of the API focusing on the TaxonWorks concepts of People, Sources, Collection Objects, Taxon Names, and Downloads and provide a brief roadmap for upcoming additions. Highlights include the ability for data curators to produce shareable bibliographies, [DarwinCore Archives](#) (DwC-A), and [Catalogue of Life-formatted](#) datasets, access their nomenclature as autocompletes and via many filter facets, share Person metadata including numerous identifier types, and perform basic [Geo-JSON](#) and simple DwC-A parameter-based filtering on Collection Objects. As examples of what can be done with the API, we provide several visualizations that are straightforward to implement by those with basic [R](#), [Python](#), [Javascript](#), or [Ruby](#) programming skills.

Keywords

JSON, script, curation, biodiversity informatics, workbench, digitization

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