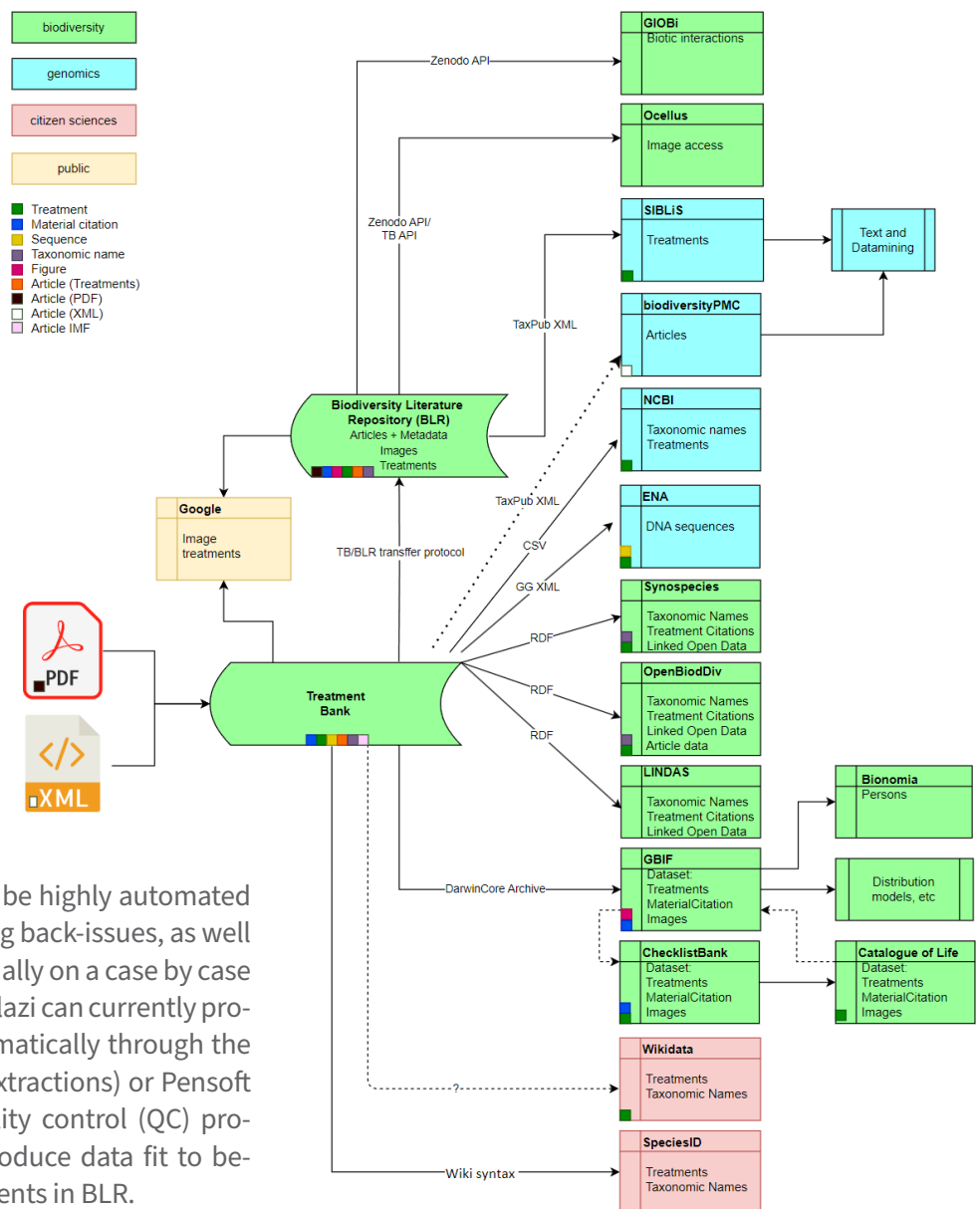


Access to data and bidirectional links liberated and made from publications

What is the Plazi TreatmentBank?

TreatmentBank (TB) is a service provided by the Swiss Plazi GmbH to liberate data from scholarly biodiversity literature by converting, enhancing, linking, and disseminating it as Findable, Accessible, Interoperable and Reusable (FAIR) data. Liberated data are stored in the Biodiversity Literature Repository (BLR), a collaboration with Zenodo/CERN, and are reused by the Global Biodiversity Information Facility (GBIF), ChecklistBank and the BiodiversityPMC. These digital accessible data include taxonomic treatments, treatment citations, figures, tables, material citations, and bibliographic references. All data are openly accessible in various formats and are searchable.

The data extraction processes can be highly automated to process entire journals, including back-issues, as well as current publications, or individually on a case by case or to curate existing annotations. Plazi can currently process more than 145 journals automatically through the use of templates (for PDF-based extractions) or Pensoft publications (xml-TaxPub). A quality control (QC) process as well as manual checks produce data fit to become reference deposits of treatments in BLR.



What is a treatment?

Treatments are well defined parts of articles that determine the particular usage of a scientific name by an author at a given time (the publication). With other words, each scientific name has one to several treatments, depending whether there exists only an original description of a species, or whether there are subsequent re-descriptions. Similar to bibliographic references, treatments can be cited, and subsequent usages of names cite earlier treatments. Treatments are a synthesis of the knowledge of a given species at a given time. They can be very rich in data, explicitly or implicitly, detailed or summarised, and include many references to external data sources, such as scientific names, collection codes, DNA-codes. The data can be semantically enhanced, and linked. Plazi has tools to extract treatments, enhance the embedded data and import it into SRS-Treatment Search Portal for public online access.

STATS

Articles: 65459

Treatments: 910279

Treatments with Mat. Citations: 321370

Material Citations: 1524097

TreatmentBank statistics: April 2024

Access to data through Treatment Statistics, Article Statistics and the API

TreatmentBank provides an analysis and mining tool, and an **API** to the liberated data. Access is provided at article (**Article Statistics**) and treatment (**Treatment Statistics**) level. Fields allow users to select, explore and download Plazi treatment and article data and statistics in multiple formats.

TreatmentBank analysis and mining tool

- Discloses data and statistics on taxon, author, publication, publishing;
- Summarises statistics and individual data (eg the number of treatments vs the list of treatment UUID)s;
- Allows to formulate queries;
- Holds API for programmatic access.

Three uses of TreatmentBank:

- To make queries concerning specific articles, authors, species, journals, or time periods.
- To make queries concerning the materials or treatment cited in articles.
- To make queries concerning users' contributions according to the ORCID register.

TREATMENTBANK	BIODIVERSITY LITERATURE REPOSITORY	SERVICES	HOW TO PARTICIPATE	ABOUT	SEARCH
---------------	------------------------------------	----------	--------------------	-------	--------

Use the fields below for queries against specific content.

+

+

+

