

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

[biospytial](#)

RRID:SCR_018226

Type: Tool

Proper Citation

biospytial (RRID:SCR_018226)

Resource Information

URL: <https://github.com/molgor/biospytial>

Proper Citation: biospytial (RRID:SCR_018226)

Description: Software package as spatial graph based computing engine for ecological big data. Modular open source knowledge engine designed to import, organize, analyse and visualize big spatial ecological datasets using power of graph theory. Handles species occurrences and their taxonomic classification for performing ecological analysis on biodiversity and species distributions. Data are linked with relationships that are stored in graph database, while tabular and geospatial data are stored in relational database management system.

Resource Type: data processing software, data management software, software toolkit, data analysis software, data visualization software, software resource, software application

Defining Citation: [DOI:10.5524/100723](https://doi.org/10.5524/100723)

Keywords: spatial data infrastructure, biodiversity informatics, ecological knowledge engine, ecological data analysis, biodiversity, taxonomic classification, bio.tools

Funding: CONACyT ;
GBIF ;
Lancaster University

Availability: Free, Available for download, Freely available

Resource Name: biospytial

Resource ID: SCR_018226

Alternate IDs: biotools:biospytial

Alternate URLs: <https://bio.tools/biospytial>

License: GPLv3

Record Creation Time: 20220129T080339+0000

Record Last Update: 20260731T043027+0000

Ratings and Alerts

No rating or validation information has been found for biospytial.

No alerts have been found for biospytial.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Silva-Araújo ER, et al. (2026) High-dose neonatal riboflavin remodels energy metabolism and brain mitochondrial ultrastructure in rats exposed to maternal high-fat diet. Food research international (Ottawa, Ont.), 226, 118103.

Escamilla Molgora JM, et al. (2020) Biospytial: spatial graph-based computing for ecological Big Data. GigaScience, 9(5).