

Publikation von DiversityTaxonNames Checklisten

35. Diversity Workbench Workshop
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REST Webservice

Documentation

[http://
services.snsb.info/
DTNtaxonlists/rest/
v0.1/static/api-
doc.html](http://services.snsb.info/DTNtaxonlists/rest/v0.1/static/api-doc.html)

[Api-Doc](#)

- Webservice (HTTP)
- JSON
- REST (GET)
- HATEOS
- Fulltext seach

Design

- Stay close to the database design
- Use database IDs
- Self speaking path
- Links in results for further action

```
[
  {
    "BasionymAuthors": "C.L. Koch",
    "GenusOrSupragenericName": "Parasteatoda",
    "NomenclaturalCode": "3",
    "NomenclaturalComment": "comb. nov. (ex Achaearanea)",
    "TaxonNameCache": "Parasteatoda tepidariorum (C.L. Koch, 1841)",
    "TaxonomicRank": "species",
    "Version": 4,
    "links": [
      {
        "name": "commonnames",
        "uri":
        "http://services.snsb.info/DTNtaxonlists/rest/v0.1/names/DiversityTaxonNames_Animalia/4000014/commonnames/"
      },
      {
        "name": "taxonomiclists",
        "uri":
        "http://services.snsb.info/DTNtaxonlists/rest/v0.1/names/DiversityTaxonNames_Animalia/4000014/lists/"
      },
      {
        "name": "externalidentifiers",
        "uri":
        "http://services.snsb.info/DTNtaxonlists/rest/v0.1/names/DiversityTaxonNames_Animalia/4000014/externalidentifiers/"
      }
    ]
  }
]
```

Name Dataset

API

- taxonnames
- lists
- projects
- agents
- references
- analysis
- external-sources

Main entry in

- **lists**
- **names** (for search)

<https://www.biodiversitycatalogue.org/services/102>

dwc / eml

- Simple Darwin Core
 - meta.xml
 - eml.xml
 - csv taxon names
 - csv common names
- Only a subset of attributes in dwc-archives
- Special entry point for mass data
- Generation of simple darwin core archives
- URIs are used directly as references and IDs

GBIF path

- Simple Darwin Core Archives are generated as zip-archives
- Caches get updated
- GBIF collects the archives
- Update every week automatically
- GBIF crawls about weekly
- No user interaction after registration at GBIF

<https://www.gbif.org/dataset/d027759f-84bc-4dfc-a5ea-b17a50793451>

GFBio Terminology Service

- Multiple terminologies
- One API
- Uses direct access

- DTNtaxonlists_SNSB

- Taxonomy Service search

The screenshot shows the GFBio Terminology Service search page. At the top, there is a navigation bar with the GFBio logo and the text 'Terminology Service'. To the right of the logo are links for 'Browse', 'Search', 'API', 'Widgets', and 'About'. The main heading is 'Search'. Below the heading, there is a paragraph explaining the search service: 'You can easily search for terms over locally hosted terminologies. The search service includes all labels, synonyms, common names and abbreviations when provided by terminologies. It is additionally possible to extend the search to external terminologies also by un-checking the internal only check box below the search box. However, this might extensively slow down the response time of the search service.'

Below this paragraph, there is a search box containing the text 'zebra' and a blue 'Search' button. Under the search box, there is a link that says 'Try the following examples: biomass honey bee nitrate'. Below the search box, there is a section titled 'Narrow search results to...' with three checkboxes: 'Exact search term', 'First matching terminology', and 'Internal terminologies only'. Below these checkboxes, there is a section titled 'Particular terminologies' with a dropdown menu. The dropdown menu is currently set to 'DTNtaxonlists_SNSB (Regionalised and Domain-specific Taxon Lists)'. Below the dropdown menu, there is a link that says 'clear selection'.

At the bottom of the page, there is a footer with the text '© 2014-2018 GFBio - All Rights Reserved.' and links for 'Contact' and 'Imprint'.