

# Zbirka Zoologiskog zavoda: Novosti



2025 - 06

# Digitalizacija & sistematizacija

## CILJEVI:

- Postoji jedinstvena baza podataka
- Svaki uzorak ima svoj inventarni broj, digitaliziran je i sistematiziran
- Podaci su javno dostupni



## UPDATE:

Odabrana baza: TaxonWorks

- open-source relacijska baza
- DwC standardi



The Species File Group - University of  
Illinois Champaign Urbana & beyond





# TaxonWorks

- Testna baza (sandbox) – od 11-2024
- Za „ozbiljno”: 04-2025
- Migracija podataka – potpuna za nastavnu zbirku
- Entomološka zbirka - inventarizacija i unos podataka u tijeku
- Zbirka B. Đulić – u planu (*brojevi*)



## Filter images

This screenshot shows a biodiversity data management interface. The top navigation bar includes 'Filter' (dropdown), 'Append' (button), 'Back' (button), 'Next' (button), and a page number '1'. On the right, it displays '1 - 591 of 591 records.', '1000' (dropdown), and 'records per page' (button). The main search bar is labeled 'Search...' with a magnifying glass icon.

The left sidebar features a 'Quick' tab, a 'Recent' tab, and a 'Pinboard' tab. A 'Taxon' section lists several species with checkmarks: *Aphthona euphorbiae* (Schrank, 1781), *Chrysina americana* (Linnaeus, 1758), *Cryptocephalus apicalis* Geble, 1830, *Cryptocephalus aureolus* Suffrian, 1847, *Cryptocephalus quatuordecimmaculatus* Schneider, 1791, *Cryptocephalus schaefferi* Schrank, 1789, *Emarhopa rufa* (Germar, 1823), *Phyllotreta armoraciae* (Koch, 1803), *Sphaeroderma rubidum* (Graells, 1858), and *Timarcha goettingensis* (Linnaeus, 1758). Below this is a 'Coordinate OTUs' section with a 'Includes' dropdown menu containing options like 'Otu', 'Collection objects', 'Collection object observations', 'Field occurrences', 'Otu observations', 'Type material', and 'Type material observations'. A 'Taxon name' section with 'Quick', 'Recent', and 'Pinboard' tabs follows.

The central area displays a grid of 60 thumbnail images of butterflies and moths, each with a green circular 'View' button. Below the thumbnails is a grid of 12 small images of a single specimen, each with a green circular 'View' button. At the bottom, there is a map view showing a satellite image of a landscape with a large cyan circle indicating a georeferenced area. A legend on the left of the map shows 'OSM' (OpenStreetMap), 'Google' (Google Maps), and 'GEO' (Geographic coordinates). Below the map are sections for 'reference date' (Year, Month, Day dropdowns) and 'georeference' (CONT coordinates, Enter coordinates, GEOLocate buttons).

Search UZFSENT000559 | det. Gonopteryx cleopatra Linnaeus, 1767 by Jelovcik

### Depictions

Drop images or click here to add collection object figures

[Back](#) [Next](#) 1

Biocurations

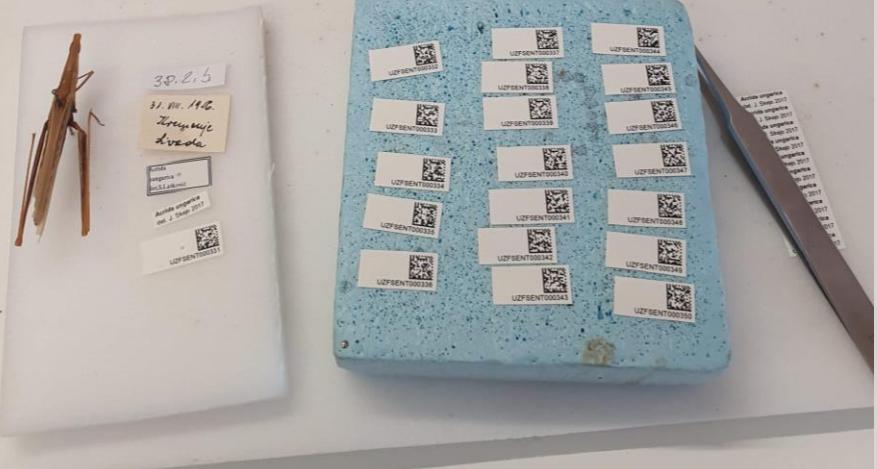
- caste: Worker, Queen, Queen state, Queen state
- lifeStage: Adult, Juvenile, Nymph
- sex: Female, Male

[Determinations](#) [Collecting Event](#)

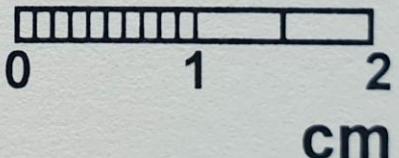
Total	Biocurations
1	<ul style="list-style-type: none"> <li>caste: Queen state (1)</li> <li>lifeStage: Adult (1)</li> <li>sex: Female (1)</li> </ul>

Detailed donut charts for various taxonomic groups:

- Cestoda:** wax model (blue), wet (red)
- Chilopoda:** wet (red)
- Chlorophyce:** wet (red)
- Chromadorea:** wet (red)
- Ciliata:** anatomical preparation (blue), glass model (orange), wet (red)
- Copepoda:** wet (red)
- Crinoidea:** Fossil (orange), wet (red)
- Diplopoda:** wet (red)
- Dipneusti:** dry (blue), wet (red)
- Discosae:** Václav Frýč plaster model (blue)
- Echinoidea:** wax model (blue), Fossil (orange), dry (yellow), wet (red)
- Elasmobranchii:** model (blue), dry (yellow), wet (red)
- Enteropneusta:** wax model (blue), wet (red)
- Filosa:** Václav Frýč plaster model (blue)
- Gymnolaemata:** dry (blue), wet (red)
- Hexactinellida:** dry (blue)
- Holothuroidea:** wax model (blue), wet (red)
- Homoscleromorpha:** wet (red)
- Hoplonemertea:** wet (red)
- Hydrozoa:** glass model (blue), dry (yellow), Bleschia glass model (orange), wet (red)
- Insecta:** Fossil (orange), dry (yellow), insect nest (green), wet (red), Pin (purple)
- Lobosa:** Václav Frýč plaster model (blue)
- Malacostraca:** anatomical preparation (blue), dry (yellow), wet (red)
- Mammalia:** other (blue), model (orange), dry (yellow), wet (red)
- Maxillipoda:** dry (blue), wet (red)
- Merostomata:** wet (red), Missing (grey)
- Monogenea:** wet (red)
- Myzini:** dry (blue)
- Ostracoda:** wet (red)
- Palaeacanthocephala:** wet (red)
- Palaeonemertea:** wet (red)
- Perciformes:** dry (blue)
- Petromyzonti:** dry (blue), wet (red)
- Phascolosomatidae:** wet (red)
- Phylactolaemata:** dry (blue), wet (red)

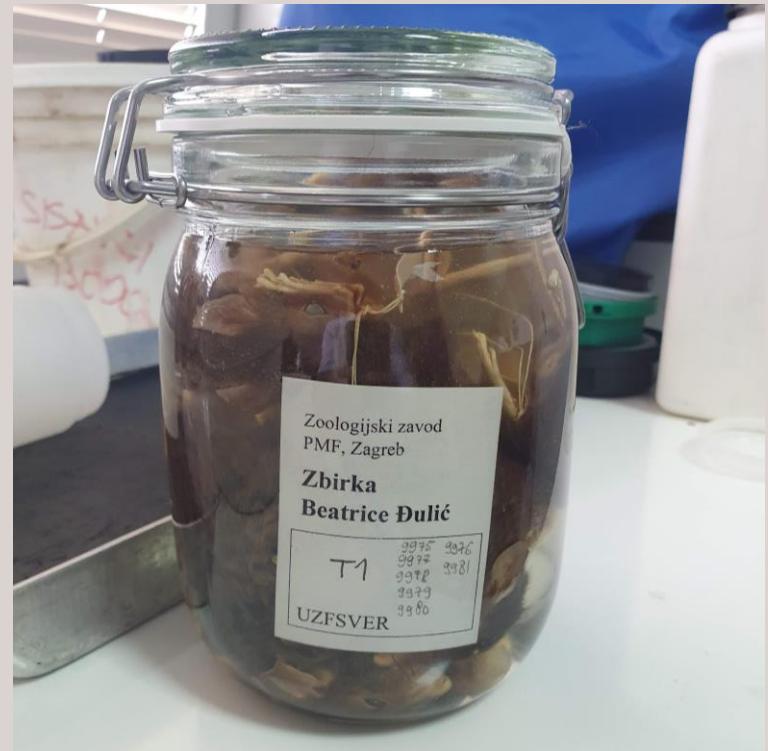


Darmitor Mošt.  
Škréko Jarčava  
Novvll. 2.VII-58.



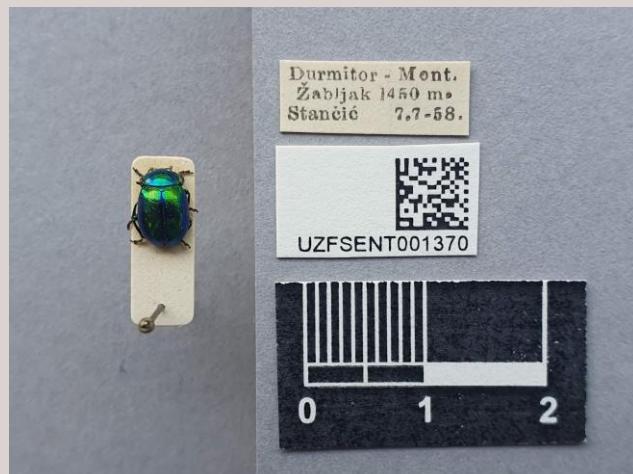
# Zbrika Beatrice Đulić

- Materijal iz etanola – prebacivanje u staklenke na veterini
- Povratak nekih uzoraka koji su bili na posudbi preko prof. Tvrtkovića – tipska serija *Dinaromys longipedis*



# Digitalizacija: sljedeći koraci

- Upload prvih podataka na *GRSciColl* (Global Registry of Scientific Collections)
- Nastavak unosa i sređivanja podataka za entomološku i mamalošku zbirku



## Ostalo

- Nabava opreme: *data loggeri*, entomološki ladičar, teglice
- Tri prijave za financiranje opreme (zadnje: HAZU)
- Priprema dokumentacije za registraciju Zbirke kao kulturnog dobra



# Ulaz prirodoslovne grade u zbirku

A. R. Wallace, 1885,  
Borneo



# Kriteriji za ulaz materijala

**Dovoljan prostor** za količinu prirodoslovne građe koja se pohranjuje.

**Odgovarajući uvjeti** za tip prirodoslovne građe koja se pohranjuje – temperatura, etanol, materijali, namještaj...

**Odgovarajuća obrada** – preparacija, uzorci su označeni...



Frick H, Greeff M (2021)  
[doi.org/10.5281/zenodo.4316839](https://doi.org/10.5281/zenodo.4316839)



The Society for the  
Preservation of Natural  
History Collections – SPNHC  
Wiki

<https://spnhc.org/wiki-home-page/>

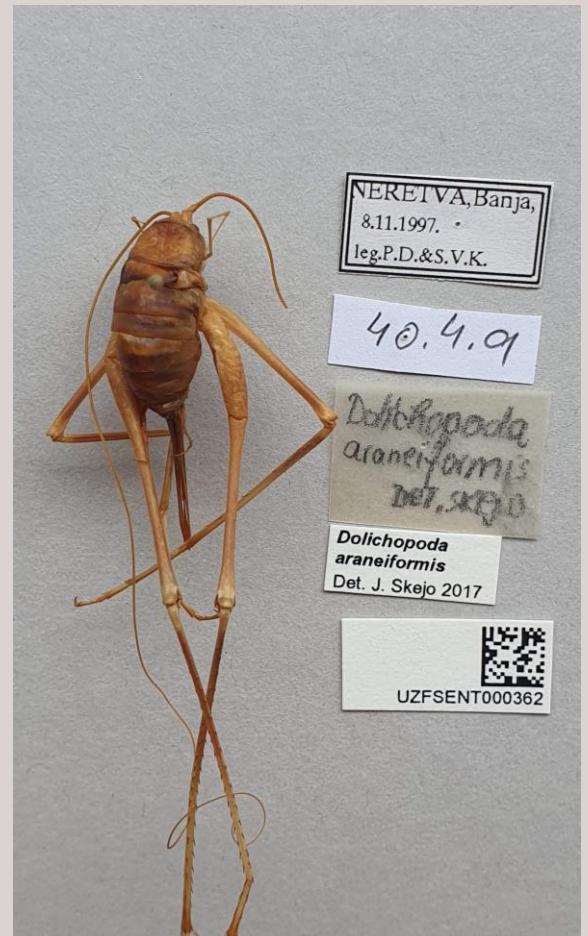
# Kriteriji za ulaz materijala



## Standardizirani podaci

- inventarni broj (na razini zbirke)
- datum, lokalitet
- koordinate (u WGS 84)
- validno znanstveno ime vrste/više kategorije
- legator, determinator

## Javno dostupni podaci



**Javite se za sastanak -kavu!**