

Dataset of the arthropodfauna of Sierra Nevada from the zoological collections of the University of Granada

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Abstract

This dataset gathers the data of the specimens present in the Zoological Collections of the University of Granada (CCZ-UGR) and coming from Sierra Nevada. As a result of the process of adaptation and improvement of the primary data, 10,005 records have been selected out of the 32,120 catalogued, corresponding to 55,292 specimens out of the 136,837 that are currently catalogued. These figures reveal the important representation of the fauna of the Sierra Nevada, approximately one third of the CCZ-UGR.

Keywords: Occurrence, Specimen, arthropodfauna; Sierra Nevada; collections; University of Granada

General description

Purpose: The purpose of this dataset is to compile all the information on the arthropodfauna of the Sierra Nevada present in the different collections of the Zoology Collections Laboratory of the University of Granada.

Project details

Project title: Thematic Center on Mountain Ecosystem & Remote sensing, Deep learning-AI e-Services University of Granada-Sierra Nevada” (LifeWatch-2019-10-UGR-04)

Funding: Ministry of Science and Innovation through the ERDF funds from the Spanish Pluriregional Operational Program 2014-2020 (POPE), LifeWatch-ERIC action line.

Study area descriptions/descriptor: The geographical coverage of the dataset is the geographical area of Sierra Nevada according to the digital layer that establishes the limits, in accordance with the doctoral thesis of Yolanda Jiménez Olivencia (1990). These limits include 73 municipalities belonging to the provinces of Granada and Almería.

Data published through GBIF: https://ipt.gbif.es/resource?r=artro_sierranevada

Taxonomic coverage

General taxonomic coverage description: This dataset gathers the data of the specimens present in the Zoological Collections of the University of Granada (CCZ-UGR) and coming from Sierra Nevada, as well as their corresponding genera, families, orders, and classes.

Taxonomic ranks

Phylum: Arthropoda

Class: Arachnida, Chilopoda, Collembola, Diplopoda, Diplura, Entognatha, Insecta, Malacostraca

Spatial coverage

General spatial coverage: The geographical coverage of the dataset is the geographical area of Sierra Nevada according to the digital layer that establishes the limits, in accordance with the doctoral thesis of Yolanda Jiménez Olivencia (1990). These limits include 73 municipalities belonging to the provinces of Granada and Almería.

Coordinates: 36°52'19.2"N and 37°12'10.8"N Latitude; 3°38'2.4"W and 2°37'22.8"W Longitude

Temporal coverage: July 11, 1935 - September 20, 2023

Natural collections description

Parent collection identifier: Not applicable

Collection name: Colección Rafael Yus

Collection identifier: <https://ccz.ugr.es/es/coleccion/ugr-ryus>

Natural collections description

Parent collection identifier: Not applicable

Collection name: Colección Alberto Tinaut

Collection identifier: <https://ccz.ugr.es/es/coleccion/ugr-atinaut>

Natural collections description

Parent collection identifier: Not applicable

Collection name: Colección Pedro Sandoval

Collection identifier: <https://ccz.ugr.es/es/coleccion/ugr-psandoval>

Natural collections description

Parent collection identifier: Not applicable

Collection name: Colección Olegario del Junco

Collection identifier: <https://ccz.ugr.es/es/coleccion/ugr-odeljunco>

Natural collections description

Parent collection identifier: Not applicable

Collection name: Colección Carmen Zamora

Collection identifier: <https://ccz.ugr.es/es/coleccion/ugr-czamora>

Natural collections description

Parent collection identifier: Not applicable

Collection name: Colección General

Collection identifier: <https://ccz.ugr.es/es/coleccion/ugr-general>

Specimen preservation method: Alcohol

Specimen preservation method: Pinned

Methods

Method step description:

- Screening of records from the Sierra Nevada geographic area.
- Mounting, identification and incorporation into the zoological collections of the specimens from the sampling carried out during the SmartEcomountains project.
- Create a database using the ELYSIA program (<https://www.gbif.es/en/software/elysia/>) that collects all the records from steps 1 and 2.

Study extent description: The working area is the geographical area of Sierra Nevada, according to Jiménez Olivencia (1990)

Sampling description: Direct sampling, pitfall and light traps

Datasets

Dataset description

Object name: Darwin Core Archive Dataset of the arthropodfauna of Sierra Nevada from the zoological collections of the University of Granada

Character encoding: UTF-8

Format name: Darwin Core Archive format

Format version: 1.0

Distribution: https://ipt.gbif.es/archive.do?r=artro_sierranevada

Publication date of data: 2024-03-12

Language: English

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Metadata language: English

Date of metadata creation: 2024-01-10

Hierarchy level: Dataset

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