



European Vegetation Archive Data Request Form



To obtain data from the European Vegetation Archive (EVA), including the ReSurveyEurope Database, please first enquire the EVA database administrator Ilona Knollová (ikuzel@sci.muni.cz) whether the data that meet your needs are available. If they are, please fill in the form below and submit it to Ilona or another member of the EVA Coordinating Board (or ReSurveyEurope Board if you ask for data from the ReSurveyEurope Database).

- Applicant's name:

Undine Schöllkopf

- Applicant's institutional address:

Natural History Museum Stuttgart, Rosenstein 1, 70191 Stuttgart GERMANY

- Applicant's e-mail:

undine.schoellkopf@smns-bw.de

- Project title:

Compositional and functional differentiation between calcareous and siliceous grasslands across Central Europe

- Are you asking for core EVA data (non-repeated vegetation surveys) or for ReSurveyEurope data (repeated vegetation surveys)?

Core EVA

- Brief description of the aims and methods of the study:

We conducted phytosociological relevés in two grassland types in Baden-Württemberg (southwestern Germany): semi-dry calcareous grasslands (*Bromion erecti*) and mat-grass swards (*Violion caninae*). These vegetation types are geographically separated in the region because they are associated with contrasting bedrock types and elevations: calcareous grasslands occur mainly on the limestone plateaus of the Swabian Alb, whereas mat-grass swards occur predominantly on acidic crystalline substrates in the Black Forest.

The aim of this project is to assess whether the floristic composition of our Baden-Württemberg relevés is representative of their respective Central European alliances, or whether observed compositional patterns primarily reflect regional geographic and elevational effects. To address this question, we will integrate our relevés into a broader Central European vegetation-plot dataset and analyse species composition using unconstrained and constrained ordination methods (e.g. DCA and CCA).

Specifically, we aim to:



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1. evaluate the floristic typicality of our Baden-Württemberg plots, defined as the degree to which they fall within the Central European compositional space of their respective alliances in ordination space;
2. provide a broader phytogeographic framework for assessing whether observed functional differences between the two community types are consistent with alliance-level compositional patterns across Central Europe

- Will someone else be involved in data editing or analysis in addition to the applicant?

Viktoria Ferenc & Pierre Liancourt (Natural History Museum), Frank Schurr (University of Hohenheim)

- Estimated time of delivery of results (e.g., manuscript submission):

2027

- Geographic area needed (e.g., countries or range of geographic coordinates):

Latitude: 45°N – 55°N
Longitude: 0°E – 20°E

- Do you need plots to be georeferenced? If so, what is the minimum accuracy of plot location (in metres or kilometres) needed for your project?

Yes, any accuracy is acceptable if they are georeferenced.

- Vegetation types needed (syntaxa):

R1A Semi-dry perennial calcareous grassland (Alliance Bromion erecti DA01A (FES-01A))
R1M Lowland to montane, dry to mesic grassland usually dominated by *Nardus stricta* (Alliance Violion caninae CI01B (NAR-01B))

- Other data selection criteria:

Plot size 1-100 m², plant cover data for each species

- Envisaged publications:

One article in an international scientific journal

- **Data deposition.** Some journals require data used for the analysis to be stored in a public repository to ensure the repeatability of the analysis. According to EVA Rules, you are not allowed to store the original vegetation-plot data obtained from EVA. However, if you plan to publish in such a journal, you may deposit a reduced EVA-derived dataset that (1) would make it possible to repeat the analysis published in the paper and (2) does not contain any information not used in the analysis. For example, such a dataset can contain only a subset of species (e.g., only angiosperms or only neophytes), or replace species names with codes, or replace species cover values with presences/absences, or remove all the header data, or replace the exact plot coordinates by coarse grid-cell coordinates etc. If you plan to deposit reduced information from vegetation plots, please describe here what might be deposited. If the project developed so that you



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needed to deposit more information than specified here, you would need to ask specific permission from the Custodians of the EVA databases used in your analysis before the dataset is deposited.

Only the minimum data necessary to repeat the analyses will be deposited. Species names will be replaced by anonymous codes and exact plot coordinates will be replaced by coarse-grid cell centroids

- Plant trait data from the TRY consortium. If you plan to combine your analysis of vegetation-plot data with plant trait data, you can also request a dataset of 18 gap-filled traits for a large number of plant taxa prepared by the TRY consortium. These traits include Leaf area, Specific leaf area, Leaf fresh mass, Leaf dry matter content, Leaf C, Leaf N, Leaf P, Leaf N per area, Leaf N:P ratio, Leaf delta15N, Seed mass, Seed length, Seed number per reproductive unit, Dispersal unit length, Plant height, Stem specific density, Stem conduit density, and Conduit element length. This dataset can be provided to you by the EVA manager together with the vegetation-plot data. If you use this dataset, you must inform about your project the TRY data contributors who might be potentially interested and invite them as potential co-authors, assuming they will make an intellectual contribution to your paper. The list of the TRY data contributors will be sent to you together with the gap-filled trait dataset.

No

- Specification of the co-authorship arrangements in publications based on the requested data. Note that the EVA Rules recommend that co-authorship is offered to a representative of each database providing data that are particularly important for the project (e.g., a relatively large proportion of the final dataset used in the analyses or data from unique vegetation types or under-represented geographic areas). This database representative should be an expert in the topic of the project (not necessarily the custodian or deputy custodian), and this person should contribute to the project more than just by providing the existing data, e.g. by intellectual contribution to the concept of the paper, preparation of new data, or helping with data analysis, interpretation of the results or writing parts of the paper (see the IAVS Code of Professional Ethics: https://www.iavs.org/page/governance_code-of-professional-ethics). The project leader should enable active participation by regularly informing potential co-authors about the progress of the project from its early stage. The project leader should also make final co-authorship arrangements based on the real input of the individual contributors.

An invitation for co-authorship will be offered to custodians willing to contribute intellectually beyond data provision. Interested data providers should indicate this via the EVA opt-in form

- Eligibility of the applicant to receive EVA or ReSurveyEurope data. Specify to which EVA or ReSurveyEurope database the applicant has contributed; if the applicant is not the custodian or deputy custodian of an EVA or ReSurveyEurope database, give a name of a custodian or deputy custodian who supports this data request.

Prof. Dr. Florian Jansen

- I agree with the terms of EVA Data Property and Governance Rules as approved on 26 May 2012 (<http://euroveg.org/download/eva-rules.pdf>).
- If I ask for ReSurveyEurope data, I agree with the terms of ReSurveyEurope Data Property and Governance Rules as approved on 6 April 2022 (<http://euroveg.org/download/resurveyeurope-rules.pdf>).
- In any result obtained based on EVA core data (non-repeated vegetation surveys), I will cite the EVA report article (Chytrý et al. 2016; <https://doi.org/10.1111/avsc.12191>). In any result obtained based on the ReSurveyEurope data (repeated vegetation surveys), I



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will cite the ReSurveyEurope report article as soon as it is published. In addition, I will cite individual source databases used in my project (if possible, in the list of References; if not possible, at least as a list of databases in the electronic supplementary material).

- If I ask for the plant trait data from TRY, I agree to invite to my project the TRY data contributors following the list received from the EVA database manager.

[place, date]

Stuttgart, 15.06.2026

[applicant's name]

Undine Schöllkopf