



# 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:

Helena Wehrle & Timo Conradi

- Applicant's institutional address:

Chair of Plant Ecology, University of Bayreuth, Universitätsstr. 30, 95447 Germany

- Applicant's e-mail:

timo.conradi@uni-bayreuth.de

- Project title:

Detection and climate-change attribution of plant diversity changes in calcareous grasslands

- 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:

The goal of the project is to provide an in-depth assessment of climate-change impacts on calcareous grasslands. To this end, we will conduct (i) a regionalized analysis of community-level climate niche shifts in the EVA plots through time and (ii) a model-based analyses that evaluates if large-scale compositional trends in the plot data are consistent with predictions from plant community models forced with observed versus detrended climatic predictor variables.

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

No

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

2026

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

entire EVA extent

- 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, plots need to be georeferenced plots, but accuracy does not matter.



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- Vegetation types needed (syntaxa):

All EUNIS units of basiphilous dry and semi-dry grasslands (R16, R18, R1A, R1B, R1B!) and all syntaxa of the Festuco-Brometea.

- Other data selection criteria:

no

- Envisaged publications:

We aim for two publications: one on the results of the niche shift analysis and the other one on the model-based attribution analysis.

- **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 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.

In case of data requirements from journals we will follow EVA rules and the suggested precautions listed here: 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. We will deposit a dataset containing only a subset of species, 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.

- **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,



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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](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.

Co-authorship will be offered to one representative (the custodian, or a person delegated by the custodian) for each dataset that contributes >1% of the requested data. Co-authorship will be offered to one representative of datasets that contribute <1% of the requested data if these data are from geographically or temporarily underrepresented areas/times and if the representative makes an intellectual contribution to the project

- 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.

Timo Conradi contributed to GrassVeg.DE and GrassPlot. Jürgen Dengler supports the request.

- 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 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.

Bayreuth, 24<sup>th</sup> January 2025

Helena Wehrle & Timo Conradi