



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:

Matthias Zydorek

- Applicant's institutional address:

University of Göttingen
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- Applicant's e-mail:

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- Project title:

Performance of Species Distribution Models for a Microclimate Data Set in Comparison to Biotic Predictors combined with Macroclimate Data

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

Core EVA data

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

The aim of the study is to assess the performance of SDMs for closed-forest and forest-edge species under different predictor variable inputs, for current distributions of German forest herbs. The predictor input arms will be: (1) ForestClim combined with TerraClim precipitation variables, (2) TerraClim variables alone, and (3) TerraClim variables combined with biotic predictors (e.g., tree species distribution, canopy cover, canopy height). Ensemble modelling will be conducted using the *dismo* R package, with Germany as the projection area. The methodological comparison of predictor input datasets requires a broad set of species covering all closed-forest and forest-edge herbs occurring in Germany (following Schmidt et al. 2011 habitat categories 1.1 and 1.2). Including species across the full range of ecological strategies — from habitat specialists to generalists — is needed to properly assess whether the different predictor arms perform differentially depending on species' niche breadth, which is central to the comparison this study aims to make.



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Schmidt M., Kriebitzsch W.-U., Ewald J (2011): Waldartenlisten der Farn- und Blütenpflanzen, Moose und Flechten Deutschlands. Hg. v. Bundesamt für Naturschutz. Bundesamt für Naturschutz (BfN-Skripten, 299).

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

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

December 2026

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

Ireland, UK, France, Belgium, Netherlands, Luxembourg, Germany, Switzerland, Austria, Poland, Czech Republic, Slovakia, Slovenia, Hungary, Romania, Croatia, Spain, Portugal, Italy

- 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?

Please provide all plots with species data where the listed species are present. Plots need to be georeferenced, but no minimum accuracy is needed. For the plots where the given species are absent, please provide the coordinates.

- Vegetation types needed (syntaxa):

- Other data selection criteria:

See species list in appendix

- Envisaged publications:

None, aim is to finish the master degree, after finishing publication will be reevaluated

- **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.

no data deposition planned

- 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.

- 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.

No co-authorship arrangements planned, due to requirements for earning the master's degree. After finishing I will re-evaluate if I want to publish, and in that case, contact you again.

- 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.

Holger Kreft

- 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



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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.

[Göttingen, 19.07.2026]

[Matthias Zydorek]