



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:

Lars Dietrich

- Applicant's institutional address:

Institute for Biology Education, Justus-Liebig-Universität Giessen
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- Applicant's e-mail:

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- Project title:

DUDa- Digitale adaptive Unterstützung generischer und fachbezogener Datenkompetenz (Digital adaptive support of generic and subject-specific Data Literacy)

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

ReSurveyEurope

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

This interdisciplinary, German Federal Ministry of Education–funded project brings together mathematics and biology education researchers to explore how AI-supported educational technology can use near-authentic large datasets to strengthen students' generic and subject-specific data literacy. We are developing an edtech tool and learning environments that help teachers integrate data literacy into secondary education; all materials will be published as Open Educational Resources.

ReSurveyEurope data will be curated and simplified for classroom use so students can conduct basic analyses to learn about biodiversity and research contexts. The research does not evaluate ReSurveyEurope itself, but investigates how simplified authentic biodiversity data can foster students' abilities to critically collect, handle, and analyze data. Using a Design-Based Research approach, we will run three design cycles: two iterative development cycles with small-group qualitative studies, followed by a large-scale quantitative evaluation. The finalized tool will then be released as an OER for nationwide use.



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

All collaborators of the project (including members of other universities (University of Münster, University of Kassel) will be involved in data editing and analysis and potential users in education will use the modified data set for simple, guided analysis.

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

The project ends at the end of February 2029 and the data will then be used for the education technology, that is part of a publication of open education resources.

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

Europe

- 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?

Georeferenced Data, with any available accuracy

- Vegetation types needed (syntaxa):

All

- Other data selection criteria:

None

- Envisaged publications:

Yet Unspecified

- 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.

We will publish a modified, simplified dataset within the AI-supported education technology and its learning environments, all released as an Open Educational Resource. To fit technical limits, the ReSurveyEurope data will be reduced (e.g., not all species across all plots) and further simplified once the available data are reviewed. This may include limiting variables and restricting the time period or region (for example, using only records from 2000–2020 if coverage is sufficient). Vegetation cover values will be converted to presence/absence data. We will also remove administrative metadata fields (e.g., RS_PROJECT, LOC_METHOD, MANIPULATE, MANITYPE, OWNER) and replace



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plot coordinates with either grid cells or site-centre coordinates to reduce detail. This will result in a dataset with only very limited scientific value and scope.

- 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.avs.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.

The ReSurveyEurope data will only be used for educational purposes and research on those. No publication on results of analysis performed on the data itself is planned so we don't offer co-authorship.

- 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.

Sabine Rumpf ((Deputy custodian of AT_DiseqAlp)

- 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).



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- 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.

Giessen, 06.01.2026

Lars Dietrich