



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:

Alexandra Barthelmes

- Applicant's institutional address:

Inst. of Botany and Landscape Ecology, Soldmannstr. 23, 17487 Greifswald, Germany

- Applicant's e-mail:

alex.barthelmes@greifswaldmoor.de

- Project title:

1. WET Horizons - Improving wetland knowledge
and developing tools to enhance protection and restoration of Europe's wetlands
(<https://www.wethorizons.eu/>)
2. ALFAWetlands - Restoration for the future (<https://alfawetlands.eu/>)

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

If possible, we would like to obtain point data from both.

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



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For both projects, we jointly compile a (GIS) European Wetland Database on peatlands, coastal wetlands and floodplains, while collating and aggregating available thematic data, e.g., distribution of wetland types, wetland vegetation, and hydromorphic soils. Furthermore, we will derive a spatial layer of main land use and management types for this database too.

Our aim is to connect these wetland and management types with the EUNIS habitats for A) bogs and fens, B) floodplains, C) coastal wetlands, and D) specific anthropogeny impacted habitat types (if applicable up to Level 3). The herewith requested EUNIS data would be added as points with their habitat code and habitat name to the European Wetland Database. One goal is to understand the distribution of specific EUNIS types across the European wetlands - to guide e.g. future restoration measures to be undertaken for safeguarding wetland specific biodiversity. The extensive amount of geo-referenced vegetation plots/EUNIS habitats would be very useful for us to work with and to enrich the input data in the envisaged comprehensive European Wetland Database.

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

Yes, this will be:

Aleski Räsänen (LUKE, Finland; <https://www.luke.fi/en>),

Rebekka Arzt (The James Hutton Institute, UK; <https://www.hutton.ac.uk/>),

Adria Descals Ferrado (CREAF, Spain; <https://www.creaf.cat/>)

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

end of 2024

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

entire 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?

Yes, we need plots to be georeferenced – preferably the accuracy should be as high as possible, but can be up to 1 km.

- Vegetation types needed (syntaxa):

We would request all available point data for bogs and fens. Additional wetland related EUNIS types we would like to apply for are listed in the word-file sent along with this EVA application.



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- Other data selection criteria:

no

- Envisaged publications:

1. Release of the European Wetland Database linked to a map (where the points with indicated EUNIS habitats would be embedded).
2. Journal article for the Update on the European Peatland Map (cf. Tanneberger et al. 2017), where specific EUNIS points will be used as additional indicators for peatland occurrence

- **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

The resulting European Wetland Database (GIS) will be openly accessible for viewing, potentially on an EEA data platform and on the Greifswald Mire Centre homepage. The EVA data will only be shown as single points with EUNIS type labelling. If needed, a buffer zone around these points can be applied. Detailed vegetation data from the EVA platform will not be stored, uploaded or made publicly available. This also applies for the related publication. In case the GIS points need to be published for EUNIS habitat types, the coordinates will be reduced to Degrees and Minutes.

- **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 plant trait data needed

- **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



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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: <http://iavs.org/Governance/Code-of-Professional-Ethics.aspx>). 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.

We will work only with coordinates of plots assigned to EUNIS habitat types. All data sources will be referenced. One representative of the EVA database (e.g., custodian or a person delegated by the custodian) will be considered as a co-author if 1) he/she expresses interest in this project, 2) the EUNIS point data on bogs and fens lead to the identification of more than 20 additional peatland areas in the updated European Peatland Map, and 3) he/she provides intellectual input to the manuscript.

- 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. Florian Janssen has agreed to be custodian for this request.
<https://www.auf.uni-rostock.de/en/professuren/umweltbereich/landscape-ecology/team/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 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.

Greifswald, 11.04.2023

A. Bakker



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Alexandra Barthelmes