



European Vegetation Archive Data Request Form

To obtain data from the European Vegetation Archive (EVA), please first enquire the EVA database administrator Ilona Knollová (ikuzel@sci.muni.cz) whether the data meeting 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.

- Applicant's name:

Ute Jandt, Helge Bruelheide

- Applicant's institutional address:

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- Applicant's e-mail:

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- Project title:

EuropaBON case studies

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

Aim: The EuropaBON projects aims at establishing a survey on existing monitoring initiatives, identify data and workflow gaps and assess how the monitoring can contribute to producing comprehensive biodiversity information under the essential biodiversity variables (EBVs and essential ecosystem service variables (EESVs) frameworks.

Within EuropaBON, our the task of our project is to compile on two showcases of natura 2000 habitats how workflows for the integration of different data streams and potential drivers allow to assess the status of selected habitats of the Habitats Directive and thus provide timely and relevant data across the EU member states and regions.

Methods: We selected two widespread Annex I habitat types as showcases, 9110 Luzulo-Fagetum beech forests and 6230 Species-rich Nardus grasslands. For these we will compile and compare the relevant Annex 1 habitat evaluation criteria on the European and the country level. Vegetation data from the EVA database will be used to

1. test and enhance the evaluation criteria, including the quality assessment
2. compare the distributions of plot-based occurrences with the officially reported distributions and status of the selected habitats
3. establish workflows to include vegetation plot data based assessments into the natura 2000 monitoring evaluation.

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

This project will be executed at the Institute of Geobotany in Halle under the supervision of Prof. Helge Bruelheide and in collaboration with the Biodiversity Conservation group of Prof.



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Henrique Pereira at the German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig in Leipzig.

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

2022 to 2024.

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

Europe (EU member countries plus UK and potential future EU countries i.e. countries cooperating in Eionet (Albania, Bosnia and Herzegovina, Kosovo, Montenegro, North Mazedonia, Serbia) if respective data exists

- 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?

No, we would like to use all available data

- Vegetation types needed (syntaxa):

All plots of Luzulo-Fagetum beech forests and Nardus grasslands (based on a broader selection using EUNIS categories FAG-01A Luzulo-Fagion sylvaticae and T18 Fagus forest on acid soils, NAR-01B Violion caninae, NAR-01D; Nardo-Agrostion tenuis, TRI-03B Nardion strictae, TRI-03C Potentillo ternatae-Nardion, E4.3 Acid alpine and subalpine grassland, E1.7 Non-Mediterranean dry acid and neutral closed grassland)

- Other data selection criteria:

No

- Envisaged publications:

Two publications

- 1) Spatial distribution of habitat-specific vegetation plot data with respect to its representation in the natura2000 habitat network (in 2023)
- 2) Biodiversity change in European beech forests and Nardus grasslands over the last five decades (however, time span depends on how much sufficient information can be collated).

- 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.



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In those cases where the publication requires access to the data used, we will aggregate the data at a grid scale with presence only and coarse-grid-cell coordinates, and only with explicit approval of all data contributors. .

- 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 for 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 from 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: <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.

All participating databases will be appropriately cited. The custodians of the collaborating databases will be informed about the progress of the project. Prior to the finalization of the analyses, the custodians of those databases that contributed > 2% of the final number of plots will be offered a co-authorship. It is up to the discretion of the first author to offer co-authorships to databases that contributed less data. Co-authors are asked to provide intellectual input in the analyses, interpretation and the manuscript at the appropriate stage. All data owners and funding sources will be acknowledged in the resulting publications.

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

Helge Bruelheide, custodian of the GVRD Vegetation Reference Database Halle (EU-DE-014) supports this proposal.

- 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>).
- In any result obtained based on this data, I will cite the EVA report paper (Chytrý et al. 2016; <https://doi.org/10.1111/avsc.12191>). In addition, I will cite individual source



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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.

Halle (Germany),

April 14th 2021

Ute Jandt, Helge Bruehlheide