



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:

David Paternoster

- Applicant's institutional address:

Umweltbundesamt – Environment Agency Austria, Spittelauer Lände 5, 1090
Vienna/Austria

- Applicant's e-mail:

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- Project title:

ETC / BD task 1.2.2.2 Support to the Pollinators Initiative

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

The main goal of the study is to identify the importance of individual Annex I habitat types of Habitats Directive for pollinating insects. The results are intended to support the European Environment Agency (EEA) with regard to the implementation of the Pollinators Initiative.

In detail, our work will focus on:

- i) Ranking the importance of habitat types for pollinating insects based on frequent and typically occurring plant species in those habitat types [1]
- ii) Testing the use of habitat distribution (10x10km grid cells) and the overall habitat type area (km²), within a given biogeographical region or within the whole EU, as additional indicators to decide the ranking of habitat types regarding their importance for pollinating insects;
- iii) Improving the compilation of typical species of selected Annex I habitats, with focus on those, which are of great importance for pollinators, in order to get a better database for deciding on the richness of entomophilous plant species of certain habitat types.

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

Thomas Ellmayer, Martin Götzl, Helmut Kudrnovsky

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

A draft version of the report should be ready by the end of September 2021.



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

EU 27 (Austria, Belgium, Bulgaria, Croatia, Cyprus, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden)

- 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?

If possible: EEA reference grid 10x10km

- Vegetation types needed (syntaxa):

See below

- Other data selection criteria:

Habitats Directive Annex I habitat codes: 6110, 6120, 6130, 6140, 6150, 6160, 6170, 6180, 6190, 6210, 6220, 6230, 6240, 6250, 6260, 6270, 6280, 62A0, 62B0, 62C0, 62D0, 6310, 6410, 6420, 6430, 6440, 6450, 6460, 6510, 6520, 6530

EUNIS habitat codes: E1.11, E1.12, E1.22, E1.23, E1.24, E1.25, E1.26, E1.27, E1.28, E1.291, E1.292, E1.293, E1.2C, E1.2D, E1.2F, E1.31, E1.32, E1.33, E1.55, E1.71, E1.72, E1.73, E1.74, E1.75, E1.B1, E1.B2, E1.B3, E1.B4, E1.B5, E2.15, E2.21, E2.22, E2.23, E2.24, E2.31, E3.1, E3.121, E3.43, E3.47, E3.51, E4.31, E4.314, E4.32, E4.36, E4.37, E4.38, E4.391, E4.3921, E4.3922, E4.393, E4.3941, E4.39421, E4.3943, E4.3944, E4.3945, E4.41, E4.42, E4.43, E5.411, E5.412, E5.413, E5.414, E5.43, E5.51, E5.52, E5.53, E5.54, E5.55, E5.56, E5.57, E5.58, E5.59, E7.3, F5.11, H3.2763, X09

- Envisaged publications:

The results will be presented in a technical report (ETC / BD report to the EEA) which will be available online.

- **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 do not plan to store original vegetation plot data.

- **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



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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.

Co-authorship will be offered to a representative of each database. Following the EVA rules and established ethical standards of scientific writing, we expect co-authorship to be associated with intellectual contribution to the paper, not merely with data provision

- 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.

Gravel Bar Vegetation Database (Deputy Custodian: Helmut Kudrnovsky); furthermore, this data request is supported by Wolfgang Willner (Custodian of Austrian Vegetation Database)

- 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 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.

Vienna, Austria

28.04.2021

David Paternoster