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:

Tomáš Koubek

- Applicant's institutional address:

Department of Botany, Faculty of Science, Charles University
Benátská 2, Praha 2, 12801

- Applicant's e-mail:

tomas.koubek@gmail.com

- Project title:

Plant clonality: an unexplored source of local community diversity and species pool diversification

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

The main aim of this project is to determine relationship between occurrence of clonal species in communities and species richness, and changes of this relationship along key environmental gradients of productivity and disturbance. First, based on the almost ubiquitous co-occurrence of clonal and nonclonal plants we aim to examine whether differences in the clonal growth are one of the drivers of the plant community richness. Further, we aim to examine to what extent the contribution of this trait diversity (clonal vs. nonclonal) to species richness is modified by productivity and disturbance, as both these factors have been implied in differential success of clonal species and hence richness of the resulting community. Specifically, it has been hypothesised number of times that clonality is favoured by mild and frequent disturbance, but existing data deal with short gradients only, not permitting to examine rigorously its relationship to diversity. We will specifically target this relationship using large-scale observational data on European scale.

The data will be used in two steps: 1) we will use the data to select and locate species without records in CLOPLA database (if needed), 2) after sufficiently filling the clonal traits, we will analyse the releve data along with the clonal trait data to fulfill our aims – to determine the importance of clonality in species community assembly.

- 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):

3 years

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

France, Spain, Italy, The Netherlands, Norway, Sweden, Germany, Poland, Czechia, Finland, Austria, Denmark

- 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?

all plots

- Vegetation types needed (syntaxa):

all available except hydrophytes

- Other data selection criteria:

- Envisaged publications:

The role of clonality in species assembly and plant species richness along gradients of productivity and disturbance

- 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 plan to store data in public repository (e.g. Dryad) if the journal demands it. We will either store derived data, replace species names by codes or obscure the raw data in a similar manner if the publisher demands them.

- 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.

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- 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.

Milan Chytrý

- 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.

Praha, 7.4.2022

Tomáš Koubek