



Data Request Form

To obtain data from the European Vegetation Archive (EVA), please first make an enquiry to 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:

Denys Vynokurov^{1,2}, Milan Chytrý¹

- Applicant's institutional address:

¹Department of Botany and Zoology, Masaryk University, Kotlářská 2, Brno, Czech Republic

²M.G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine, Tereshchenkivska 2, Kyiv, Ukraine

- Applicant's e-mail:

denys.vynokurov@gmail.com, chytry@sci.muni.cz

- Project title:

Phylogenetic and functional diversity of European steppes

- Brief description of aims and methods of the study:

The project aims to contribute to understanding of the assembly processes in European steppic grasslands by comparing the patterns of phylogenetic and functional diversity of different habitat types of these grasslands in different biogeographically defined areas. Phylogenetic diversity (PD) will be measured using Faith's PD, Mean Phylogenetic Distance (MPD) and the Mean Nearest Taxon Distance (MNTD). Functional diversity will be calculated using Rao index. For these proposes we will use different functional traits (e.g. plant height, life form, seed mass etc.), which will be compiled from the different literature and databases sources or measured.

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

Data analysts and database managers from the Department of Botany and Zoology, Masaryk University.

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

2021

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

All European countries

- 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



Data Request Form

- Vegetation types needed (syntaxa):

All the types of xeric grasslands, defined as either Festuco-Brometea, subordinate units of this class, or habitat types R15, R16, R17, R18, R19, R1A, R1B, R1C of the EUNIS Habitat Classification.

- Other data selection criteria:

- Envisaged publications:

One or two papers in international scientific journals in the field of macroecology, biogeography or vegetation science.

- 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. unique vegetation types, under-represented geographic areas) or make up more than 10% of the final dataset (5% threshold can be considered too). These database representatives should be experts in the topic of the project (they do not need to be the custodians or deputy custodians) and they 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.

Denys Vynokurov will be the leading author of the planned publications. Co-authorship will be offered to a representative of each database that will be represented by at least 2% of relevés included in the final analysis (i.e. after stratified selection from the basic data sets) or fewer for databases contributing data on vegetation types or regions with general lack of data. Also, persons with significant contribution to data analysis may be invited as co-authors. Following the EVA rules and established ethical standards of scientific publishing, we expect co-authorship to be associated with intellectual contribution to the paper, not merely with data provision.



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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.

Denys Vynokurov is a member of the team of the Ukrainian Grassland Database (EU-UA-001). This application is supported by Anna Kuzemko, the custodian of this database. Milan Chytrý is the custodian of the Czech National Phytosociological Database (EU-CZ-001).

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 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.

Brno, 20 September 2019

Denys Vynokurov and Milan Chytrý