



## 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 Milan Chytrý (chytry@sci.muni.cz) or another member of the EVA Coordinating Board.

- Applicant's name:

Jan Divíšek<sup>1,2</sup>, Michal Hájek<sup>1</sup>

- Applicant's institutional address:

Masaryk University, Faculty of Science, Department of Botany and Zoology (1) and Department of Geography (2) – Kotlářská 2, 611 37 Brno, Czech Republic

- Applicant's e-mail:

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- Project title:

Connecting past landscape diversification with recent diversity patterns

- Brief description of aims and methods of the study:

Jamrichová et al. (2017) published the maps of past landscape diversification patterns for the Western Carpathian Mts and adjacent territories. These maps are based on the analyses of past pollen spectra for the important developmental milestones after the last glacial maximum, including the late glacial (the period of spread of temperate species from the glacial refugia), Middle Holocene (the period of forest expansion) and late Holocene (the period of beech expansion in mountains). We want to use these maps and vegetation plots from EVA to test the relative importance of late-glacial and Holocene historical factors and recent environmental factors on the recent diversity patterns in the Central-Eastern Europe. We will test hypotheses that (i) local diversity of semi-dry and steppe grasslands coincides with the regional persistence of steppes during the Middle Holocene forest expansion, (ii) local diversity of light forests coincides with the long-term regional existence of temperate or hemi-boreal forests at least since the late glacial, and (iii) local diversity of dark coniferous forests (taiga) coincides with regional persistence of spruce and fir forests during the late-Holocene beech spread.

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

YES – Martin Večeřa<sup>1</sup> and Lubomír Tichý<sup>1</sup>

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

Methodological framework of this study is already prepared, and critical issues have been tested in Divíšek & Chytrý (2018), Ecological Indicators, and in Večeřa et al. (submitted). Therefore, we expect delivery of first results very soon – early 2019.

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



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Western Carpathian Mts. and adjacent regions – 16°E-23.5°E; 47.5°N-50.5°N  
The study area includes Slovakia, Czech Republic, Austria, Poland and Hungary.

- 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, minimum accuracy 10 km

- Vegetation types needed (syntaxa):

All types of forest and grassland vegetation but excluding marshes.

- Other data selection criteria:

No, we will reduce the data set ourselves. The target vegetation types will be semi-dry and dry grasslands (Festuco-Brometea), light oak, birch and pine forests, other deciduous forests and coniferous spruce and fir forests.

- Envisaged publications:

One paper in an international journal.

- 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. We do not need any trait data.

- 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.

Jan Divíšek and Michal Hájek will be the leading authors of the planned publication. We will inform the data providers when a major steps in the preparation of the concepts of the projects or in data analyses are achieved. For a co-authorship we will invite the most important contributors with palaeodata (E. Jamrichová, L. Petr),



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colleagues helping with data processing (M. Večeřa, L. Tichý) and the most important contributors with vegetation data; co-authorship will be offered to an author, or representative of a database, that will be represented by at least 10% of relevés included in the final analysis.

- 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.

Michal Hájek is a contributor of the Czech National Phytosociological Database. This data request is supported by Milan Chytrý, the custodian of this 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>).

Brno, 12 November 2018

Jan Divíšek and Michal Hájek