



## 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:

Michaela Vítková

- Applicant's institutional address:

Institute of Botany of the CAS, v.v.i., Zámek 1, 252 43 Průhonice, Czech Republic

- Applicant's e-mail:

michaela.vitkova@ibot.cas.cz

- Project title:

Climate impacts on understory herbs distributions, functional traits, and phenology

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

The geographic coordinates for the location of the sites of *Anemone nemorosa*, *Anemone ranunculoides*, *Convallaria majalis* and *Maianthemum bifolium* will supplement the distribution data for these species collected from other databases, i.e. GBIF, iNaturalist, UKRBIN, PLANTARIUM and literature data. Complementing the distribution data will enable a more complete sampling of climate data from across the geographic ranges of these species. The occurrences together with bioclimatic maps will be used to model the potential ranges of species and their changes due to climate change. The planned research will fill the knowledge in gaps in the species distribution and will allow to estimate changes in the occurrence of several of the most common early spring plant species in European forests. Moreover, we are going to modeling changes in the flowering and fruiting phenology of the studied species and changes in its functional traits due to climate change.

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

Radosław Puchałka (Nicolaus Copernicus University, Poland), Marcin Dyderski, Sonia Paż-Dyderska, Łukasz Dylewski (Polish Academy of Sciences, Poland), Patryk Czortek (University of Warsaw) and Marcin Klisz (Forest Research Institute, Poland), Jiří Sádlo (Institute of Botany, Czech Academy of Sciences)

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

end of 2023

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

Albania, Belarus, Bosnia and Herzegovina, Bulgaria, Estonia, Greece, Romania, Latvia Lithuania, Moldova, Russian Federation (European part), Serbia+Kosovo, Ukraine



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- 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, location uncertainty up to 10 km

- Vegetation types needed (syntaxa):

Carpino-Fagetea, Quercetea pubescentis, Quercetea robori-petrae, Alno-Populetea, Vaccinio-Piceetea, Rhamno-Prunetea, Robinietea

- Other data selection criteria:

Presence of *Anemone nemorosa*, *Anemone ranunculoides*, *Convallaria majalis* and *Maianthemum bifolium* – only localities, coordinates, dates (not the whole species composition of vegetation plots).

- Envisaged publications:

We are planning to write one or two articles in international scientific journals.

- **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.

If the journal requires the processed dataset deposition in a public repository, we will not deposit the phytosociological relevés. Instead, we would deposit distribution of target species and the exact coordinates will be replaced by grid-cell coordinates.

- **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



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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.

EVA data managers will be included as co-authors if extra work for this project will be needed.

- 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.

The applicant, Michaela Vítková, is a contributor of the Czech National Phytosociological Database  
Milan Chytrý (custodian of [EU-CZ-001](#) Czech National Phytosociological 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.

Průhonice, 03/02/2021

Michaela Vítková