



Data Request Form

To obtain data from the European Vegetation Archive (EVA), please first make an enquiry to the EVA database administrator Iлона 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 Iлона or another member of the EVA Coordinating Board.

- Applicant's name:

Wenyong Guo, Milan Chytrý

- Applicant's institutional address:

Aarhus University, Denmark, Masaryk University, Brno, Czech Republic

- Applicant's e-mail:

guowyhgy@gmail.com, chytry@sci.muni.cz

- Project title:

CSR strategy spectra across European vegetation

- Brief description of aims and methods of the study:

We ask what is the geographic pattern of Grime's CSR strategies across European forests and grasslands, whether this pattern is dependent on vegetation types, and whether it differs among native and alien species. We will apply the method published by Pierce et al. (2017, *Funct. Ecol.*) to leaf traits from the gap-filled TRY dataset and vegetation-plot data from EVA. We will map the trait spectra across Western, Central and Southern Europe using predictive models based on the Random Forest method, and compare the results between vegetation types and native and alien species.

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

Petr Pyšek, Jan Divíšek, Martin Večeřa, Irena Axmanová and if necessary, also other members of the Vegetation Science Group at Masaryk University.

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

2019

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

We ask for exactly the same data sets as used for the projects "Fine-scale species-richness patterns in European grassland vegetation", "Large-scale assessment of alien plant invasions in European grasslands" and "Fine-scale species-richness patterns in European forest vegetation", with exception of the plots without geographic coordinates or with coordinates with lower accuracy than 10 km. The reason is that data for these project have already been extensively edited by Martin Večeřa and Irena Axmanová, and they are in a format that can be directly used in this project. In this data request, we ask for consent with the use of these datasets prepared for previous projects for the purposes of the current project.



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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?

See above.

- Vegetation types needed (syntaxa):

See above.

- Other data selection criteria:

No.

- Envisaged publications:

1-3 papers in international journals.

- 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.

Yes: We need only Leaf area, SLA and LDMC.

- 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.

The data providers will be informed about the project development. One representative of each database that provides more than 5 % to the final dataset will be offered co-authorship of the papers based on this project. It is assumed that any co-authors will intellectually contribute to the paper.

- 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.

M. Chytrý is a custodian of the Czech National Phytosociological Database.



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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.

Aarhus and Brno, 10 October 2018

Wenyong Guo and Milan Chytrý