



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:

Trevor S Fristoe; Mark van Kleunen; Milan Chytrý

- Applicant's institutional address:

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- Project title:

Dimensions of invasiveness in European alien flora

- Brief description of aims and methods of the study:

Our aim is to quantify the three dimensions of invasiveness (extent of occurrence, local abundance, and breadth of ecological preferences in alien range; Carboni et al., 2016; Catford et al. 2016) for alien species of Europe. Geographic extent of occurrence will be calculated at two scales: within the region of Europe sufficiently covered by EVA vegetation-plot data and at the global scale using data from the GloNAF dataset (van Kleunen et al. 2018); local abundance data will come from EVA vegetation-plots; ecological breadth will be measured as the number of EVC habitats inhabited by each species. We will test whether the three dimensions vary independently among species or whether species tend to excel in multiple dimensions. Trait data from different datasets (e.g. GIFT, TRY) will also be incorporated in order to test whether success in each dimension is predicted by different traits (e.g. dispersal traits associated with extent of occurrence; traits indicating competitiveness associated with local abundance).

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

Core members of the GloNAF working group and members of the applicant's teams at the University of Konstanz and Masaryk may assist in data analysis and interpretation as needed. Confidentiality in data use will be guaranteed.

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

2019

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

Europe (excluding North Africa and Turkey): 75° N, 30° E, 35° N, 15° W; plus



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Macaronesian Archipelagos.

- 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 10km

- Vegetation types needed (syntaxa):

All

- Other data selection criteria:

We only require vegetation plots that include alien species that are alien to Europe. We can provide a species list.

- Envisaged publications:

1-2

- 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

- 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.

Trevor Fristoe and Mark van Kleunen will be the lead authors of planned publications and will inform data providers when major steps in the projects are achieved. Co-authorship will be offered to a representative of each database that will be represented in at least 5% of the relevés included in the final analyses or fewer for databases for vegetation types with a general lack of data. Additional persons who provide significant conceptual or analytic contributions may also be invited as co-authors. Following the EVA rules and established practices, we expect co-authorship to be associated with intellectual contribution to the paper, not merely with data



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provision.

- 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 is the custodian of the 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>).

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.

Konstanz, Germany 27.11.2018

Trevor Fristoe