



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:

António Alves da Silva

- Applicant's institutional address:

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- Project title:

What is out there? EVA2Corine - European Vegetation Archive to characterize plant species composition of Corine Land Cover 2000

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

The objective of this project is to provide a proof of concept, trying to develop an algorithm/method to extract and combine the information from the data from EVA with the CORINE Land Cover 2018 spatial information. The main aim of this exploratory phase is to performe data exploration and analysis and define a spatially explicit algorithm/method that permits to characterize and describe the main species composition of each individual and unique CORINE Land Cover 2018 polygon.

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

Joana Alves (CEF - University of Coimbra)

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

1 year

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

Europe

- 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?



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Yes. All the available georeferenced plots, preferably with the indication of the accuracy.

- Vegetation types needed (syntaxa):

All terrestrial vegetation/syntaxa.

- Other data selection criteria:

- Envisaged publications:

If we can produce a valid algorithm/method able to produce accurate results, we envisage a publication/paper in an international journal.

- **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.

We are not anticipating that data deposition will be required. Should the journal require data deposition, we will suggest to the journal to deposit a reduced EVA-derived dataset that allows for the analysis of the paper to be reproduce. This reduced dataset set will only contain information that is specifically used in the analysys. The reduced dataset will be a random sample of the original dataset with the species replaced by codes and without the real plot coordinates. In this specific case, it will be a subset of the dataset that is present in a randomly placed 10x10km square area with the species names replaced with codes and with the plot coordinates recalculated so that the point of origin of the coordinates will be the top left corner of the 10x10km square. No real information about the actual coordinates of the randomly placed 10x10km square will be provided and, consequently, no real information about the actual coordinates of the plots will be provided. If the journal requires more data than this reduced EVA-derived dataset, we will ask specific permission from the Custodians of the EVA databases used in our analysis to allow the dataset to be deposited prior to any data submission.

- **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



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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. 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 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.

If the project can produce a positive proof of concept and a working algorithm/method is developed, co-authorship will be offered to one representative of each database who contribute with more than 2% of the data used in the final dataset and who will register as interested in this study through the EVA online form. We assume that any co-author would provide an intellectual input to the study, e.g. by helping in interpreting the results, data analysis, paper writing or editing.

- 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

- 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.

Coimbra, 27 January 2021

António Alves da Silva