



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:

Dr. Virginia Garcia Millan

- Applicant's institutional address:

European Topic Centre on Spatial Analysis and Synthesis

- Applicant's e-mail:

virginia.garcia@uma.es

- Project title:

EnBiC2Lab - Environmental and Biodiversity Climate Change Lab

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

We aim to develop a map of Mediterranean forest using satellite data, by describing the forest classes based on dominant tree species, mixed forests or other forest types (i.e. riparian forests).

EVA databases will be used to find eligible training samples to feed the classification models. The minimum information required is the precise location of a forest relevé, with information about 1-5 main tree species. Moreover, information about tree coverage and species coverage (within the existing trees) will be desirable, to select well-developed forest masses and filter mono-specific from mixed forests. In addition, date of forest inventory is very relevant for us.

We will use satellite data to map from a mission started on 2013. Therefore, it is preferable to have more recent forest inventories.

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

No

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

6 months, End 2021

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

Countries of the Mediterranean Basin, with Mediterranean forests: Portugal, Spain, France, Italy, Malta, Slovenia, Croatia, Bosnia & Herzegovina, Montenegro, Albania, North Macedonia, Greece, Bulgaria, Cyprus, Turkey, Syria, Lebanon, Jordan, Israel, Egypt, Lybia, Tunes, Argelia and Morocco.



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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, preferable in meters. Maximum accuracy permitted is a 1x1 km grid

- Vegetation types needed (syntaxa):

Any forest type in the Mediterranean.

For example, (in genera): Quercus, Pinus, Picea, Abies, Cedrus, Juniperus, Cupressus, Fagus, Castanea, Olea, Ceratonia, Acacia, Palma, Taxus, Ostrya, Carpinus, Betula, Alnus, Fraxinus, Populus, etc.

- Other data selection criteria:

Dominant species, secondary species, abundance/coverage of dominant species, forest density, date of data collection

- Envisaged publications:

A map of Mediterranean forests, technical report, methodology programming codes, scientific publications.

- 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.

There is not an initial plan to deposit data from EVA. We can prioritize publishing in journals that do not require publishing the data. In case we would need to add the data, we will modify the database by presenting only the data used and reducing the information and scale. For instance, only the column that refers to forest density, only high dense forests, reducing the decimals of the coordinates, etc.

- 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 don't need plant trait data



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- 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 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.

YES, in case of publications and technical reports, we will offer co-authorship to those data contributors who provide an important part of the data for this project, express their interest in this project in the EVA online, and will contribute intellectually.

- 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.

Prof. Xavier Font, University of Barcelona – SIVIM project

- 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.

[Spain, September 14th 2021]

[Dr. Virginia Garcia Millan]