



## European Vegetation Archive 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 Milan Chytrý (chytry@sci.muni.cz) or another member of the EVA Coordinating Board.

- Applicant's name:

Michele De Sanctis

- Applicant's institutional address:

Department of Environmental Biology, Sapienza University of Rome, P.le Aldo Moro 5, 00185, Rome, Italy

- Applicant's e-mail:

michedes@gmail.com

- Project title:

$\beta$  diversity patterns in Europe along altitudinal and latitudinal gradients at multiple scales

- Brief description of aims and methods of the study:

Aim of this study is to explore patterns of  $\beta$ diversity along altitudinal and latitudinal gradients in Europe, in particular the partitioning of  $\beta$ diversity into its components nestedness and turnover and to model the relationship of  $\beta$ diversity with environmental heterogeneity (lithology, disturbance, climate). The main focus of the paper is to assess whether glacial refugia in Europe host higher than expected diversity. The scale of the analysis is from local to regional, but the main interest is on broader scales. Data will be taken from georeferenced relevés and analysed using the state of the art of machine-learning and hierarchical bayesian modelling methods. These methods will enable the research team to quantify the role of abovementioned drivers in shaping spatial patterns in  $\beta$ diversity.

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

Data analysis will be performed by Marco Giradello, interpretation of results and writing of the paper will be done by Giuliano Fanelli in collaboration with Michele De Sanctis Fabio Attorre and Marco Giradello

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

1 / 1,5 year

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

Europe (with the exclusion of Macaronesia Anatolia and Cyprus but with the inclusion of Northern Caucasus)



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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?

The data should come with coordinates associated with the plot. The data should be georeferenced with a precision of at least 1x1km or higher.

- Vegetation types needed (syntaxa):

Primary vegetation: forest vegetation and vegetation above the tree line (Carpino-Fagetea, Quercetea pubescentis, Quercetea ilicis, Festuco-Seslerietea, Juncetea trifidi, Nardo-Callunetea)

- Other data selection criteria:

- Envisaged publications:

One or two papers in international journals

- 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.

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Co-authorship in papers will be offered to a representative of each database that will be represented by at least 5% of relevés included in the final analysis

- 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.

EU-AL-001

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>).

Rome, 27/04/2017

Michele De Sanctis