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:
  Pau Carnicero Campmany
- Applicant's institutional address:
  Sternwartestraße 15, 6020 Innsbruck, Austria
- Applicant's e-mail:
  pau.carnicero-campmany@uibk.ac.at
- Project title:
  Conserving intraspecific diversification in a warmer world – a case study on endemic high-mountain plants of the Pyrenees
- Brief description of aims and methods of the study:
  We focus here on the Pyrenees, the principal mountain range of southwestern Europe, with more than 4300 plant species, of which c. 300 are endemic. We integrate molecular data obtained from next generation sequencing (RADseq) and retrospective as well as prospective distribution modelling of species and intraspecific lineages. EVA data will be used as either presences or absences of the studied species to build the species distribution models. Our aims are to 1) identify glacial refugia for alpine plants endemic to the Pyrenees, 2) identify areas of high phylogenetic endemism for alpine plants endemic to the Pyrenees and 3) model the future distribution of the studied species and identify areas with high stability of climatic suitability under different climate change scenarios.
- Will someone else be involved in data editing or analysis in addition to the applicant?
  Peter Schönswetter (Department of Botany, University of Innsbruck)
  Stefan Dullinger (Department of Botany and Biodiversity Research, Faculty of Life Sciences, University of Vienna)
- Estimated time of delivery of results (e.g. manuscript submission):
  Summer 2020
- Geographic area needed (e.g. countries or range of geographic coordinates):
  Southern France, Northern Spain and Andorra. Coordinates: -2.6, 3.4, 41.5, 43.5
- 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, ideally 100 m, minimum 1000 m

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- Vegetation types needed (syntaxa):

  not specified, see next point

- Other data selection criteria:

  non-forested plots (cover of tree species <20%)
  above 1000 m altitude
  date of recording >1970

  If available, we might need metadata, especially the **slope**, **inclination**, **orientation** and **bedrock substrate** of the plot location.

- Envisaged publications:

  One publication in Nature Ecology and Evolution or similar journals. Additionally and depending on the results some more publications would also be possible.

- 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

- 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.

  Co-authorship will be offered to a representative of each database providing a significant amount of data (>10%). Details will be discussed in every case and a preliminary list of co-authors will be created within a month after receipt of the data. These will be regularly informed about the status of the project and actively enhanced to contribute to development of different stages of the project. Following the IAVS Code of Professional Ethics we keep the right to remove authors who made no substantial contribution during the process.

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- 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.

  Wolfgang Willner

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.

Innsbruck, 01 April 2019

Pau Carnicero Campmany