



## 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:

Theofania-Sotiria Patsiou

- Applicant's institutional address:

Institute of Plant Sciences (IPS), University of Bern, Altenbergrain 21, CH-3013 Bern, Switzerland

- Applicant's e-mail:

theofania.patsiou@ips.unibe.ch

- Project title:

Phylogeographic analysis of the *Biscutella laevigata* complex

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

We will combine ecological and genetic data to infer the phylogeographic history of the *Biscutella laevigata* complex in the European mountains. We will build species distribution models that will be projected to current and past climatic conditions to show the current and past distribution of the species. Based on the genetic data we will infer the past demography of the species and combining the two methods we aim to show where and how the populations of the species evolved from diploid to tetraploid.

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

Prof. Christian Parison and Sandra Grünig (PhD student)

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

The next 1-2 years

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

Austria, Czech Republic, Slovakia, Slovenia, Hungary, Romania or those of the above that data is available for.

- 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, 1km or finer

- Vegetation types needed (syntaxa):

All vegetation types

- Other data selection criteria:

occurrence data of *Biscutella laevigata* (*sensu lato*) – localities, coordinates, dates



## Data Request Form

- Envisaged publications:

We plan preparing 1-2 publications in international peer-reviewed scientific journals. The data will also be used in the PhD thesis of Sandra Grünig.

- 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. 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.

For our publication we will invite persons with significant contribution to data analysis according to EVA rules and established ethical standards of scientific publishing. Unfortunately, no co-authorship will be offered for PhD thesis.

- 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.

We have gained approval for our our request from Dr Thomas Wohlgelmuth (Switzerland) and Wolfgang Willner (Austria).

- 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.



## Data Request Form

Bern, 22.06.2020

Theofania-Sotiria Patsiou