



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:

Karl Hülber

- Applicant's institutional address:

University of Vienna, Department of Botany and Biodiversity Research

- Applicant's e-mail:

karl.huelber@univie.ac.at

- Project title:

Quaternary niche and range dynamics in alpine plants

- Brief description of aims and methods of the study:

Investigate niche evolution in 4 species each of *Pedicularis* and *Carex* from different alpine habitats. Ancestral areas will be reconstructed using Bayesian methods (implemented in the software BEAST); ancestral (climatic) niches will be constructed from paleo-climate data; niche evolution will be modelled (using Brownian Motion and Ornstein-Uhlenbeck models, which reflect different modes of niche conservatism or niche evolution), and these models will be assessed within an ABC (Approximate Bayesian Computation) framework.

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

Gerald Schneeweiss, Da Pan; same institution

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

End of 2017

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



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lower left: longitude: 4.81, latitude: 43.529
upper right: longitude: 16.474, latitude: 48.369
(decimal degree in WGS84)

- 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; about 1 km

- Vegetation types needed (syntaxa):

All (as not only presence but also absence data for the model species are needed)

- Other data selection criteria:

all relevés > 1000 m. a. s. l.

- Envisaged publications:

One (title as in project); intended to be submitted to Molecular Ecology or alike

- 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.

Representatives of contributing databases who are interested in becoming co-author are asked to contact the applicant.

- 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.

Supported by Wolfgang Willner



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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>).

Vienna, 31.1.2017

Karl Hülber