



## 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:

Jozef Šibík

- Applicant's institutional address:

Institute of Botany SAS, Dúbravská cesta 9, SK-84523 Bratislava, Slovakia

- Applicant's e-mail:

[jozef.sibik@savba.sk](mailto:jozef.sibik@savba.sk)

- Project title:

Gap analysis of the distribution data on vascular plants throughout Europe on the example of two families, *Brassicaceae* (*Cruciferae*) and *Caryophyllaceae*

- Brief description of aims and methods of the study:

The aim of the proposed project is a gap analysis of the distribution data on vascular plants throughout Europe on the example of two families, namely *Brassicaceae* (*Cruciferae*) and *Caryophyllaceae*. Three data sets will be compared, namely GBIF (Global Diversity Information Facility) data, AFE (Atlas Florae Europaeae) data and EVA (European Vegetation Archive) data.

While the AFE data set is expected to be rather complete (with grid maps (50 x 50 km squares) covering the whole European continent) its scale is rather rough. Nevertheless, it can be used as a kind of reference for testing the completeness of other data sets that are collected in much more detailed scale.

The University of Helsinki agreed to provide us AFE data for both *Caryophyllaceae* and *Cruciferae* families and we have done first comparisons of GBIF vs AFE data on the level of families. Results of the analysis show that while western, northern Europe and perhaps Greece are well covered by the GBIF data, there are considerable gaps in Central, south-eastern and eastern Europe. This indicates a limited use of the GBIF data for modelling purposes, particularly for the taxa with the centre of distribution in Central and eastern Europe. Ongoing work is done on a set of taxa on the species level, for the representative taxa from the groups of local endemics, more widespread taxa and for invasive ones.

The aim of the comparison of EVS data with those of GBIF and AFE is to find detailed information for which European areas EVS data can compensate for the gaps of GBIF data and vice versa.

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

Alexander Sennikov, Atlas Florae Europaeae representative; Karol Marhold, taxonomist, Institute of Botany SAS; Dušan Senko, GIS specialist, Institute of Botany SAS; Matúš Kempa, informatician, Institute of Botany SAS



## Data Request Form

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

6 months

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

Europe

- Vegetation types needed (syntaxa):

N/A

- Other data selection criteria:

For the purpose of this study we request EVA data for all taxa of the families Caryophyllaceae and Cruciferae.

- Envisaged publications:

Paper with similar name as a title of this project will be submitted to Preslia, Folia Geobotanica or to some related journal, obviously depending also on the quality of results that will be obtained from the study.

- Specification of the co-authorship arrangements in publications based on the requested data (e.g. the extent of possible involvement of the original data providers, or of EVA data managers if extra work for this project is needed from them):

We offer co-authorship to the managers of the EVA database as well as to all curators of the national databases who are interested in contributing to this study and to the writing of the paper describing its results.

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>).

Bratislava, July 14<sup>th</sup> 2014

Jozef Šibík