



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:

Silvia Žemlová

- Applicant's institutional address:

Plant Science and Biodiversity Center, Slovak Academy of Sciences, Institute of Botany
Dúbravská cesta 9, SK-845 23 Bratislava, Slovak Republic

- Applicant's e-mail:

silvia.zemlova@savba.sk

- Project title:

Snowbed vegetation in Europe: main drivers of variability and diversity

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

The project aims to determine the main drivers affecting variability and diversity of the snowbed vegetation across Europe. Based on national data sets as well as our data, we will conduct supranational analyses for the main types of European snowbeds at the level of alliances and, if applicable, associations. We will search for the main gradients in species compositions and functional traits (growth forms, life forms, life history, etc.), and identify the affinity of certain geographical elements. Additionally, diagnostic, constant, and dominant species of individual units will be determined. Deep learning methods will be used for the delimitation of particular groups based on traditional and well-recognized units. These groups will be validated through specific distributional patterns, species composition, and ecology (snow duration including) of individual stands. Therefore the main aim is to understand significant drivers influencing species pools and community diversity of snowbeds across European regions.

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

Jozef Šibík, Mária Šibíková, Ivan Jarolímek and other members of the Plant Science and Biodiversity Center at Slovak Academy of Sciences if their analytical skills and cooperation will be needed. Karol Mikula from Slovak Technical University and additional potential students will work with data due to implementation of deep learning methods into classification of plant communities. Custodians of the contributing databases or persons nominated by these custodians can also be involved if they wish to contribute to data editing or analysis.

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



Data Request Form

12/2020

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

Europe, North West Russia, Caucasus, Iceland and Svalbard including

- 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

- Vegetation types needed (syntaxa):

class *Salicetea herbaceae*

- Other data selection criteria:

- Envisaged publications:

1 - 2 papers in an international scientific journal (most likely Applied Vegetation Science)

- 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.

Silvia Žemlová, Jozef Šibík and Karol Mikula will be the lead authors of the planned publication. EVA data providers and eventual contributors on data analyses and data management will be invited as co-authors.



Data Request Form

- 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.

Jozef Šibík

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.

November 29, 2019, Bratislava

Silvia Žemlová