



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:

Anni Pyykönen, Milan Chytrý

- Applicant's institutional address:

Department of Botany and Zoology, Masaryk University, Brno, Czech Republic

- Applicant's e-mail:

ankapy@utu.fi, chytry@sci.muni.cz

- Project title:

Vegetation diversity of northern European boreal and hemi-boreal forests

- Brief description of aims and methods of the study:

This study is planned as a Ph.D. project of Anni Pyykönen. The aims are:
(1) Creating a unified vegetation classification system based on the Braun-Blanquet approach for boreal and hemiboreal forests of northern Europe by revising earlier local or regional classification system and analysing vegetation-plot data across the boreal and hemiboreal zones. Methods of unsupervised and supervised vegetation classification will be used.
(2) Linking the phytosociological vegetation classification to the Finnish site type classification.
(3) Analysing patterns of alpha and beta diversity within these forests using linear models, machine-learning methods and GIS.
(4) Analysing vegetation environment relationships within these forests using multivariate statistics.

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

Ilona Knollová, Lubomír Tichý and other members of Department of Botany and Zoology at Masaryk University if their analytical skills will be needed. Custodians of the contributing databases or persons nominated by these custodians can also be involved if they wish to contribute to data analysis.

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

This will be a long-term project, because data on northern European forests in EVA are very few at the moment. In the first stage we will have to spend a lot of time on filling the gaps in the database by obtaining plot records from different sources. Therefore the first results can be expected earliest in 2019 and there will be more in 2020-2022.

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



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- (1) “Boreal dataset”: All forest plots from Iceland, Scotland, Denmark, Norway, Sweden, Finland, Estonia, Latvia, Lithuania, Belarus, and north of the 52nd parallel in Russia.
(2) “Comparative temperate dataset”: In addition, for comparative purposes we need plots dominated by *Picea abies*, *Pinus sylvestris*, *Larix decidua*, *Pinus cembra*, *Abies alba* and *Betula pubescens* (all subspecies).

- 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?

For the “Boreal dataset” (1) defined above, we need all plots. For the “Comparative temperate dataset” only georeferenced plots will be sufficient.

- Vegetation types needed (syntaxa):

See above.

- Other data selection criteria:

No.

- Envisaged publications:

A series of papers published in international journals corresponding to the aims specified above.

- 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.

We will inform data contributors about preliminary results of the analyses. We will invite one representative of each database that contributed more than 5% of plots used in the final analysis to the “Boreal dataset” to participate in preparation of publications. For co-authorship, we expect active participation as defined by the EVA Rules cited above. If there was a publication focusing on comparison of boreal and temperate forests dominated by boreal trees (not yet decided), we will also invite one representative of each database contributing to “Comparative temperate dataset” under same conditions (i.e. >5% plots used in the final analysis and active participation).

- 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.

M. Chytrý is the Custodian of the Czech National Phytosociological Database.



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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>).

Brno, 29 May 2017

Anni Pyykönen, Milan Chytrý