



Data Request Form

To obtain data from the European Vegetation Archive (EVA), please first make an enquiry to the EVA database administrator Irena 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:

Irena Axmanová¹, Milan Chytrý¹, Jürgen Dengler²

- Applicant's institutional address:

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- Applicant's e-mail:

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- Project title:

Large-scale assessment of alien plant invasions in European grasslands

- Brief description of aims and methods of the study:

Invasive alien species can have detrimental environmental and socio-economic impacts, thus their control has become a top priority for European environmental policy. However, we need to know more about plant communities most at risk and underlying mechanisms responsible for higher habitat invasibility. Study across European vegetation types can help to find more general patterns compared to studies with only a regional scope. This was already confirmed by a previous project based on EVA data from woodlands (Wagner, Chytrý et al.). However, a similar study focusing on grassland vegetation is still needed. In this project we aim to (1) identify habitats most vulnerable to invasions, (2) reveal environmental variables that affect the levels of invasion, and (3) map the levels of invasion for the most common grassland types in Europe. To address our questions we will use data deposited in the European Vegetation Archive and the checklist of alien species in Europe (DAISIE database). Descriptive statistics, GIS mapping and modelling approaches will form the main toolbox of the study.

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

Data analysis, interpretation and paper writing in this project will be led by Dr. Irena Axmanová, a member of the team of the Czech National Phytosociological Database at Masaryk University, Brno. Further, some members of the EVA Database Management Team, EVA Taxonomic Advisory Board, EVA Coordinating Board or experts in data analysis at the Vegetation Science Group of Masaryk University may be involved in the analysis if needed. Confidentiality in data use will be guaranteed.

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

2019 (submission of first manuscript)



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

Geographically delimited Europe (excluding Macaronesia, Anatolia and Cyprus).

- 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?

No, we will use all the available data. However, for GIS analyses, data will be filtered.

- Vegetation types needed (syntaxa):

All grassland types including alpine grasslands but excluding marshes.
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- Other data selection criteria:

No.

- Envisaged publications:

1-3 publications in international journals that target an audience in ecology, vegetation science and/or invasion biology

- 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.

Irena Axmanová and Milan Chytrý will be the lead authors of the planned publications. We will inform the data providers when a major steps in the preparation of the concepts of the projects or in data analyses are achieved. Co-authorship will be offered to a representative of each database that will be represented by at least 5% of relevés included in the final analysis (i.e. after stratified selection from the basic data sets) or fewer for databases from vegetation types or regions with general lack of data. Further, persons with significant contribution to data analysis (see above) or providers or analysts of other data (data on invasion floras, geographical data) may be invited as co-authors. Following the EVA rules and established practices, we expect co-authorship to be associated with intellectual contribution to the paper, not merely with data provision.

- 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.

Irena Axmanová and Milan Chytrý are members of the team of the Czech National Phytosociological Database (EU-CZ-001) at Masaryk University, Brno
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Jürgen Dengler is the custodian of the databases EU-00–002 Nordic-Baltic Grassland Vegetation Database (NBGVD) and EU-DE-020 German Grassland Vegetation Database (GrassVeg.DE).

We 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, 10 October 2017

Irena Axmanová, Milan Chytrý, Jürgen Dengler