European Vegetation Archive

Data Request Form

To obtain data from the European Vegetation Archive (EVA), including the ReSurveyEurope Database, please first enquire the EVA database administrator Ilona Knollová (ikuzel@sci.muni.cz) whether the data that meet 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 (or ReSurveyEurope Board if you ask for data from the ReSurveyEurope Database).

- Applicant's name:
  Bob O. van Leeuwen, MSc
- Applicant's institutional address:
  Droevendaalsesteeg 3, 6708PB, Wageningen, The Netherlands
- Applicant's e-mail:
  Bob.vanleeuwen@wur.nl
- Project title:
  What factors drive orchid population change?
- Are you asking for core EVA data (non-repeated vegetation surveys) or for ReSurveyEurope data (repeated vegetation surveys)?
  Both EVA and ReSurveyEurope
- Brief description of the aims and methods of the study:
  In this project I aim to understand what factors are drivers of population change for all European orchid species. My statistical approach is species distribution modelling using the MaxEnt algorhythm in R. I will test orchid geographical locations from EVA, versus the explanatory variables climate (Chelsa), soil conditions (European Soil Data Centre), and management (LUCAS). I will test historical changes and future predictions. The results of this data analysis will be used to inform collaborative European nature conservation policies, and form the base for further orchid research.
- Will someone else be involved in data editing or analysis in addition to the applicant?
  Yes, Amanda Taylor (Amanda.Taylor@wur.nl) and Philippine Vergeer (Philippine.Vergeer@wur.nl), stationed at the same institutional address.
- Estimated time of delivery of results (e.g., manuscript submission):
  Manuscript submission is expected in Q1 of 2026
- Geographic area needed (e.g., countries or range of geographic coordinates):
  All countries in Europe
- 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?
  Georeferencing and plot accuracy estimation is prefered. I will thin the data to 1 km^2.

- Vegetation types needed (syntaxa):

  All plots containing at least one species or subspecies belonging to the Family Orchidaceae.

- Other data selection criteria:

  Species and subspecies.

- Envisaged publications:

  Min. One research article.

- Data deposition. Some journals require data used for the analysis to be stored in a public repository to ensure the repeatability of the analysis. According to EVA Rules, you are not allowed to store the original vegetation-plot data obtained from EVA. However, if you plan to publish in such a journal, you may deposit a reduced EVA-derived dataset that (1) would make it possible to repeat the analysis published in the paper and (2) does not contain any information not used in the analysis. For example, such a dataset can contain only a subset of species (e.g., only angiosperms or only neophytes), or replace species names with codes, or replace species cover values with presences/absences, or remove all the header data, or replace the exact plot coordinates by coarse grid-cell coordinates etc. If you plan to deposit reduced information from vegetation plots, please describe here what might be deposited. If the project developed so that you needed to deposit more information than specified here, you would need to ask specific permission from the Custodians of the EVA databases used in your analysis before the dataset is deposited.

  Not planned to share unless requested by journal. In that case, I will deposit the data thinned to 1 km and in presence/absence format.

- 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 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 by 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., a 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: https://www.iavs.org/page/governance_code-of-proffesional-ethics). 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.

Lead/corresponding author: Bob van Leeuwen. Co-authors: Amanda Taylor and Philippine Vergeer. Additional co-authorship will be offered to one representative for each database that contributed significantly (>1% of releves) to the final analysis of this project, or is under-represented in terms of habitat or location. Conform EVA Rules, we expect co-authorship to be associated with expertise in the topic, and intellectual contribution to the paper, such as data analysis, interpretation, or writing parts of the paper, and not merely with data provision.

- Eligibility of the applicant to receive EVA or ReSurveyEurope data. Specify to which EVA or ReSurveyEurope database the applicant has contributed; if the applicant is not the custodian or deputy custodian of an EVA or ReSurveyEurope database, give a name of a custodian or deputy custodian who supports this data request.

Stephan Hennekens supports this project

- 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 ReSurveyEurope data, I agree with the terms of ReSurveyEurope Data Property and Governance Rules as approved on 6 April 2022 (http://euroveg.org/download/resurveyeurope-rules.pdf).
- In any result obtained based on EVA core data (non-repeated vegetation surveys), I will cite the EVA report article (Chytrý et al. 2016; https://doi.org/10.1111/avsc.12191). In any result obtained based on the ReSurveyEurope data (repeated vegetation surveys), I will cite the ReSurveyEurope report article as soon as it is published. In addition, I will cite individual source databases used in my project (if possible, in the list of References; if not possible, at least as a list of databases in the electronic supplementary material).
- 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.

Wageningen, May 22, 2025

Bob O. van Leeuwen