



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:

Eliane Sayde

- Applicant's institutional address:

Eliane.sayde@dottorandi.unipg.it

- Applicant's e-mail:

Eliane.sayde@gmail.com

- Project title:

PRO-WILD- Protect and promote crop wild relatives

- Are you asking for core EVA data (non-repeated vegetation surveys) or for ReSurveyEurope data (repeated vegetation surveys)?

core EVA data and ReSurveyEurope. To note that only single time species occurrence coordinate are requested from ReSurveyEurope data if possible.

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

Pro-Wild, H2020, aims to support the development of a sustainable European agriculture capable of addressing key challenges, including biodiversity preservation and food security in the context of climate change. The project focuses on conserving, characterizing, and integrating crop wild relatives (CWR) into breeding programs for three major European crops (Wheat, beet and cabbage), adaptable to diverse farming systems and pedo-climatic conditions across Europe.

The initiative seeks to evaluate the in-situ status of various CWR species within participating countries by analyzing the global geographic distribution of their known populations and identifying potential areas for establishing genetic reserves. The work prioritizes CWR species from the target genera of Pro-Wild, *Aegilops*, *Triticum*, *Beta*, and *Brassica*, which are critical at both European and global levels due to their economic importance, threat status, and potential applications. To achieve this, the project uses ecogeographic diversity as a proxy for genetic diversity, enabling the identification of areas likely to host the most distinct and complementary genetic variation. This approach ensures that the proposed genetic reserves maximize the conservation of valuable genetic resources.

As a side note, the EVA dataset will be combined with additional open-access datasets such like GBIF and Genesys.



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

Yes, Lorenzo Raggi, Daniela Gigante, Eliane Sayde

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

Manuscript submission scheduled for 2026.

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

Europe and the Asian part of Turkey

- 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. Accuracy should be less or equal 1000 m.

- Vegetation types needed (syntaxa):

Occurrence records independently for any specific habitat type.

- Other data selection criteria:

Species occurrence coordinates, date, locality and when available Eunis Habitat Level 1.

Below is the list of targeted species:

Triticum turgidum subsp. *dicoccoides* (Asch. & Graebn.) Thell.

Triticum timopheevii subsp. *armeniacum* (Á.Löve) van Slageren

Triticum monococcum subsp. *aegilopoides* (Link) Thell.

Aegilops tauschii Coss.

Aegilops speltoides Tausch

Aegilops longissima Schweinf. & Muschl.

Aegilops mutica Boiss.

Brassica oleracea L. subsp. *oleracea*

Brassica insularis Moris

Brassica cretica Lam.

Brassica montana Pourr.

Brassica macrocarpa Guss.

Brassica incana Ten.

Brassica rupestris Raf.

Brassica villosa Biv.

Beta vulgaris subsp. *maritima* (L.) Arcang.

Beta vulgaris subsp. *adanensis* (Pamukç. ex Aellen) Ford-Lloyd & J.T. Williams

Beta macrocarpa Guss.

Beta patula Sol. ex Aiton

- Envisaged publications:

We aim for 1 scientific article in a high-impact journal focused on conservation and biogeography. The publication will use a similar approach as

<https://doi.org/10.1016/j.gecco.2024.e02836>



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- **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.

Rather than depositing the original occurrence records data, we will aim to archive the synthetic metrics (maps) derived during the analysis stage. If the journal insists on the storage of the original data, we will limit the deposit to the essential information required to reproduce the analysis while ensuring the data are as anonymized as possible. This could involve measures such as replacing species names with codes, converting precise plot coordinates into broader grid-cell coordinates...

- **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-professional-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.

We are available to discuss this point based on the eventually provided records.

- **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.

The project is supported by Daniel Gigante, the representative and contributor of the VegItaly database (EU-IT-001 VegItaly)



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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>).
- 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.

Perugia, 23 January 2025

Eliane Sayde