



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:

Bojana Bokić^{1,2}, Boris Radak^{1,2} & Borja Jiménez-Alfaro³

- Applicant's institutional address:

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- Applicant's e-mail:

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- Project title:

Monitoring of nature infrastructure - Skill acquisition fOr NATure-bAsed solutions, ID 101159546 (SONATA)

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

Core EVA data

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

The EU-funded SONATA project (HORIZON-WIDERA-2023-ACCESS-02-02 - Twinning Green Deal) brings together several European organizations to develop a capacity-building strategy for addressing economic, technological and social challenges in Southeastern Europe. Modeling, Mapping, and Monitoring Nature Infrastructure (3M NI) is an evolving land use and management strategy using digital technologies & biodiversity knowledge to achieve sustainable use of resources and promote Nature-Based Solutions (NbS). 3M NI methods, harnessing data from in-situ observations, satellites, Internet of Things (IoT), and technologies such as cloud computing and artificial intelligence, can potentially increase the quantity and quality of data products while planning biodiversity and climate actions through NBS. Members of the team "Habitats Mapping" want to improve the characterization and reporting on the presence, state and trends of plant biodiversity and habitats in northern part of Serbia (=Vojvodina), and thus of habitats of Pannonian Plan (=Central and Southeastern Europe). In Serbia there is National list of habitats¹ (Official Gazette 35/2010) but

¹ Rulebook on criteria for the designation of habitat types, on habitat types, sensitive, endangered, rare and priority habitat types for protection and on protection measures for their conservation (Правилник о



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without the general map and distribution, size and state of those habitats. However, there is the EUNIS catalogue of habitats² (Blaženčić *et al.* 2005) published as a result of the project “Harmonization of national nomenclature in habitat classification with international community standards”, but more or less without details on several classes and subclasses of habitats in northern part of Serbia. Data from EVA Database are going to be used together with recent and future field records, as well as satellite and drone images in order to map, harmonize, make additions about presence and state of all habitat types, and for modeling its most probable distribution and scenarios in northern part of Serbia. SONATA further aims at facilitating and securing future mapping programs, project and actions in Serbia and surrounding, dealing with biodiversity and changes trends, and conservation decisions.

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

Yes, this project is a part of an interdisciplinary collaboration within HORIZON-WIDERA-2023-ACCESS-02-02 - Twinning Green Deal funded SONATA project which includes the following partner institutions and associated postdocs and PhD students that could be involved in the handling and analysis of the requested Core EVA data:

- the members of the Center for information Technologies and the Center for Biosystems (BioSense, University of Novi Sad); contact address tijana.nikolic@biosense.rs
- the lab of Borja Jiménez-Alfaro; (member of the Biodiversity Research Institute and the University of Oviedo, including Jose Manuel Álvarez-Martínez; contact addresses jimenezalfaro@uniovi.es, jm.alvarez@uniovi.es)
- the members of the VITO, Belgium; contact address lori.giagnacovo@vito.be

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

2025–2027.

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

Pannonian Biogeographic Region *sensu lato* with the buffer zone of 10 km around; Countries: Austria, Croatia, Czechia, Hungary, Romania, Serbia, Slovakia, Ukraine

- 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?

We would like to have all plots available, with information of those that are georeferenced, and their estimated accuracy.

- Vegetation types needed (syntaxa):

We need all vegetation types.

критеријумима за издвајање типова станишта, о типовима станишта, осетљивим, угроженим, ретким и за заштиту приоритетним типовима станишта и о мерама заштите за њихово очување in Serbian)

² *Habitats of Serbia - Manual with descriptions and basic information* (Staništa Srbije – Priručnik sa opisima i osnovnim informacijama in Serbian)



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- Other data selection criteria:

This plots should be assigned to EUNIS classification 2021/2022 and/or 2012.

- Envisaged publications:

Vegetation review and/or Habitat map of northern Serbia and Pannonian Biogeographic Region
Spatio-temporal changes of vegetation by habitat type in northern part of Serbia (AP Vojvodina)
Analyses of the relationships among survey data, expert perceptions, drone and satellite imaging data of habitats in northern part of Serbia (AP Vojvodina)
Framework for the mapping and monitoring habitats in northern part of Serbia (AP Vojvodina) with different technologies

- **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.

We will not store the original relevé data.

We may store a reduced EVA-derived dataset with taxa identities replaced by codes and/or coarse grid-cell coordinates. In any other circumstances, we will ask the data contributors for permissions to deposit a specific reduced dataset.

- **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



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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.

Those database representatives who provide intellectual input in the analyses, interpretation and the manuscript will be offered co-authorship. All data contributors will be acknowledged in the resulting publication(s).

- 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.

Borja Jiménez-Alfaro is the custodian of the EU-00–004 Iberian and Macaronesian Vegetation Information System (SIVIM). Also, Mirjana Krstivojević Ćuk, the Custodian of EU-RS-003 Database of Forest Vegetation in Republic of Serbia & EU-RS-004 Vegetation Database of Northern Part of Serbia (AP Vojvodina) supports this data request.

- 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.

Novi Sad, February, 5th, 2025

Bojana Bokić,

on behalf of Boris Radak and Borja Jiménez-Alfaro