



## Data Request Form

To obtain data from the European Vegetation Archive (EVA), please first make an enquiry to the EVA database administrator Iлона 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 Iлона or another member of the EVA Coordinating Board.

- Applicant's name:

Irena Šapić

- Applicant's institutional address:

Faculty of Forestry, University of Zagreb, Svetošimunska 25, 10000 Zagreb, Croatia

- Applicant's e-mail:

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- Project title:

Diversity and synecology of forests with *Tilia tomentosa*

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

Distribution area of *Tilia tomentosa* extends from the Dinaric mountains, through Moldova to the north-western part of Anatolia. The ecology of the *Tilia tomentosa* has not been systematically studied and its ecological requirements are quite widely understood. This Balkan-Pannonian species is identified as a species of the order *Quercetalia pubescentis*, and generally its phytocoenoses can be classified as xeromesophilic. Initial distribution analysis of *Tilia tomentosa* was made for the far western point of *Tilia tomentosa* distribution area (Zrinska Gora Mt., Central Croatia). Climate of this area differs from the rest of the *Tilia tomentosa* distribution area. Although acidic soil is predominant and measured pH of these habitats is below the lower limit known as adequate for its development, *Tilia tomentosa* is present there with different frequencies in almost all types of forest vegetation. The synergistic effect of the synecological factors has conditioned the specific occurrence of *Tilia tomentosa* in relation to the present knowledge about it as a thermophilic species developing in xeromesophilic forest communities.

EVA dataset will be used in order to determine if the ecological amplitude of *Tilia tomentosa* on the western part of the distribution area is changing. Research methods will include multivariate analysis of the dataset, Ellenberg's indicator values analysis, and modelling of the species distribution, based on multiple sets of data merged in a geographic information system.

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

Stjepan Mikac

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



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1 year

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

*Tilia tomentosa* area of distribution (Bosnia-Herzegovina, Serbia, Hungary, Croatia, Bulgaria, Romania, Greece, Macedonia, Montenegro, Kosovo, 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?

Both georeferenced and not georeferenced relevés will be used for analysis

- Vegetation types needed (syntaxa):

All phytosociological relevés with *Tilia tomentosa*

- Other data selection criteria:

Presence of *Tilia tomentosa*

- Envisaged publications:

1 - 2 papers in international scientific journal

- 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 for 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 from 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. 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: <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.

To custodians that have made up more than 5% of the plots with *Tilia tomentosa* in the final dataset and give intellectual contribution to the paper co-authorship will be offered.



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- 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.

Željko Škvorc, custodian of EU-HR-002 Croatian Vegetation Database, supports this data request.

Irena Šapić, the applicant, is a contributor of the Croatian Vegetation Database.

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 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.

Zagreb, 31.01.2020.

Irena Šapić