



Department of Biology and Ecology,
Faculty of Sciences and Mathematics
University of Niš
Institute for Nature Conservation of Serbia

ABSTRACTS APSTRAKTI

**14th Symposium
on the Flora of Southeastern Serbia
and Neighboring Regions**

Kladovo 26 to 29 June 2022

**14. Simpozijum
o flori jugoistočne Srbije
i susednih regiona**

Kladovo 26. do 29. jun 2022.

Niš-Belgrade, 2022

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Abstracts

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Book of Abstracts

Publishers

Department of Biology and Ecology, Faculty of Sciences and Mathematics,
University of Niš
Institute for Nature Conservation of Serbia, Belgrade

Organizers

Department of Biology and Ecology, Faculty of Sciences and Mathematics,
University of Niš
Institute for Nature Conservation of Serbia, Belgrade

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Vladimir Ranđelović, Zorica Stojanović-Radić, Danijela Nikolić, Dragana Jenačković
Gocić

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Printed by

Grafik Centar Beograd

Number of copies

210

Niš-Belgrade, 2022

INTRODUCTORY LECTURES

Generalized habitat map of Serbia

Lakušić, D.¹, Kuzmanović, N.¹, Kovačević, J.²

¹University of Belgrade, Faculty of Biology, Chair of Plant Ecology and Phytogeography, Takovska 43, 11000 Belgrade, Serbia

²University of Belgrade, Faculty of Civil Engineering, Department of geodesy and geoinformatics, Bulevarkralja Aleksandra 73, 11000 Belgrade, Serbia

* *nkuzmanovic@bio.bg.ac.rs*

The generalized habitat map of Serbia is one of the products of the project carried out for the needs of the Institute for Nature Protection of Serbia by the Faculty of Biology University of Belgrade in cooperation with the geomatics company MapSoft d.o.o. The map was created using an adapted methodology for extracting different habitat types from remote sensing data. To interpret the basic habitat types, the following input datasets were used: Sentinel-2 satellite data, EU-DEM terrain elevation data, Basic land cover map, Copernicus pan-European high resolution layers, Open Street Map data, pedological and geological map of Serbia, and numerous training data. The map was created by integrating the rasters of each habitat type into a single raster, separating additional habitat subtypes by crossing them with additional sources (geologic and pedological map, basic land cover map, etc.). The final results are presented in the form of a spatial raster, with 32 cartographic classes defined based on the typology of habitats according to the Rulebook on Habitats of Serbia. In addition, manual vectorization of several other habitat types (springs - 37,284 objects, caves - 499 objects, waterfalls - 109 objects) was performed, and these results are provided in the form of vector point entities.