

Development of Database of Habitats and Endemic plants

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and her team



Habitats/Alliances

An attempt was made to compile all available plant communities on the level of alliances (syntaxon in the terminology of the Braun-Blanquet approach),

occurring within Carpathian ecoregion, which appeared in literature of focal Carpathian countries – Slovak Republic, Czech Republic, Hungary, Poland, Ukraine and Romania.

Process of data gathering

Step 1 – Habitat data collection

- Name of the alliance and higher syntaxonomic ranks (Braun-Blanquet approach)
- Orographic units where an alliance occurs
- Trend – occurrence increasing, decreasing, stable, no data
- Management for surviving – yes, no

Step 2 – Endemic plant data collection and identification of endemic habitats

- Distribution of the endemic species in orographic units
- Link alliance to the species occurrences
- Threat on endemic plants
- Result – identification of top 20 alliances based on the occurrence of endemic plants

Following experts were responsible for data collection within focal countries

Czech Republic	Dr Michal Hájek – Masaryk University, Brno
Slovak Republic	Dr Viera Stanova, Mgr. Dobromil Galvánek – DAPHNE
Hungary	Ms. Judit Sándor – CEEWEB, Debrecen
Poland	Prof. Zbigniew Mirek – Institute of Botany, PAS, prof. Halina Piękoś-Mirkowa – Institute of Nature Conservation, PAS, Krakow
Ukraine	Prof. Lydia Tassenkevich, prof. Malynovski – State Museum of Natural History, L'viv
Romania	Dr. Dan Gurean, prof. Darie Parascan and Mr. Marius Danciu – Transilvanian University, Brasov

Evaluation and results

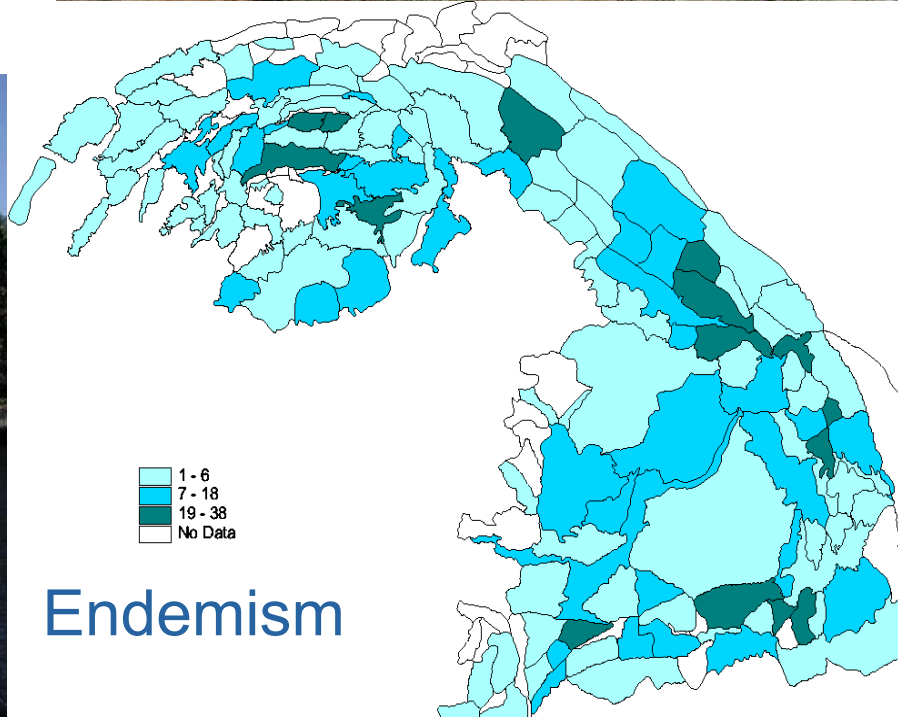
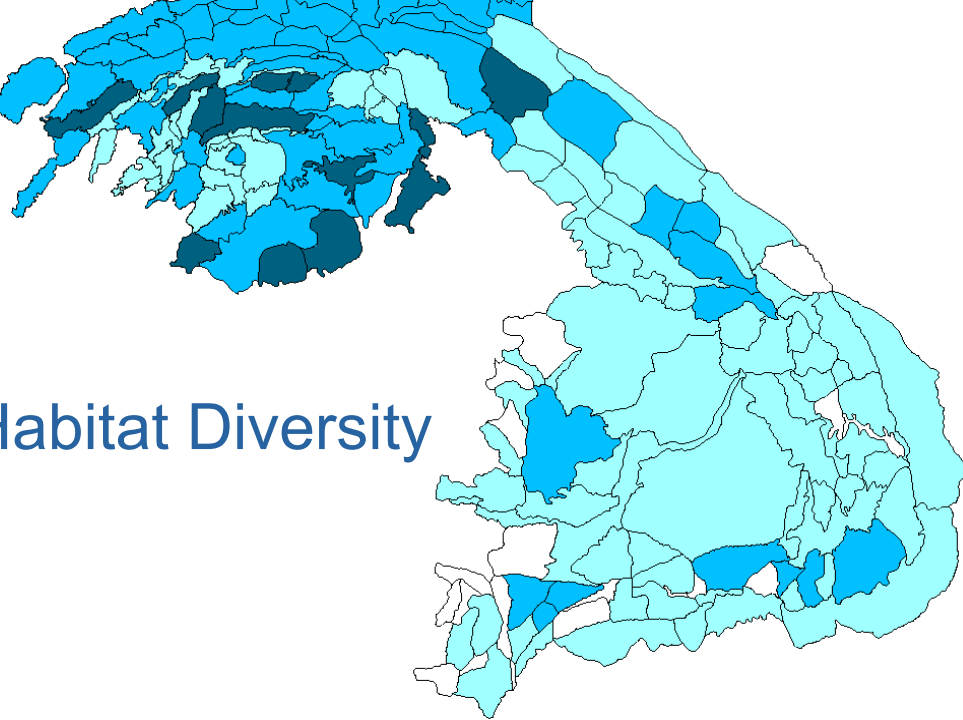
Alliances

- The total number of alliances which we received from the countries was 190
- We excluded ruderal plant communities, because there was not the same level of information from all the countries. They are also not important for evaluation of biodiversity value of Carpathians.
- The communities which have marginal occurrence in Carpathians were excluded as well.
- The final number was 133 plant alliances.

Evaluation and results

Endemic plants

- The first list of 455 species was prepared by Lydia Tassenkevich. Experts from the focal countries commented the list and added some new species on the base of newest information within the countries.
- The total number of endemic plants taxa recorded was 486



and in Serbia

Habitat Diversity

Endemism

