



Design of the Carpathian Ecological Network – Carpathian Biodiversity Information System

Input: 179 alliances of the Carpathians – version, March 2008

Procedure: independent reevaluation of experts using basic phytosociological literature e.g. Rodwell et al. 2002 and currently published surveys and syntheses

Finally: valuable discussions on problematic units with doubting Tomas...



Symphyto cordati-Fagion

Fagus sylvatica forests of the Romanian, Ukrainian and eastern Serbian Carpathian mountains with typical *Fagetalia* species, on neutral, basicline/acidoclinal substrates

Symphytum cordatum, *Dentaria glandulosa*, *Hepatica transsilvanica*, *Pulmonaria rubra*, *Leucanthemum waldsteinii*, *Silene heuffelii*, *Ranunculus carpaticus*, *Euphorbia carniolica*, *Aconitum moldavicum*, *Saxifraga rotundifolia* ssp. *heuffelii*, *Primula elatior* ssp. *leucophylla*, *Hieracium rotundatum*, *Galium kitaibelianum*, *Moehringia pendula*, *Festuca drymeja* (according Interpretation Manual of EU Habitats - EUR27/2007)

• *Dentaria glandulosi-Fagetum*
 • *Symphyto cordati-Fagetum*
 • *Festuco drymejae-Fagetum*
 (cf. Magiç 1978)

Other problematic units

Pino-Quercion
 Eriophoro-Pinion sylvestris
 Vaccinio-Pinion

and new alliances proposed

Arabidion coeruleae
 Vaccinon myrtilli
 Drepanocladion exanulati
 Littorelion uniflorae
 Galeopsis segetum
 Halo-Trichophorion pumili
 Diantho lumnitzeri-Seslerion albicantis



Synonyms

Deschampsion caespitosae!!!

Conclusion

- 136 alliances in Western Carpathians
- some endemic alliances e.g. *Halo-Trichophorion pumili* – Carpathian travertine swards, and *Diantho lumnitzeri-Seslerion albicantis* – dealpine pale fescue grasslands
- alliances mostly in Pannonian region e.g. *Nymphaeion albae*, *Utricularion vulgaris*, *Puccinellion limosae*, *Cypero-Spergularion* etc.



Thank for your attention