17th International Workshop 'European Vegetation Survey'
Masaryk University, Brno, Czech Republic, 1-5 May 2008

Programme

1 May 2008

8.00-8.50 **Registration**

9.00-9.30 **Introduction**

9.30-10.50 **Session 1 – Vegetation survey: concepts and methods** (chair: J. Rodwell)
Mucina L.: Classification of vegetation: ten years down the line
De Cáceres M., Font X., Oliva F. & Paloma V.: Reproduction of expert-based phytosociological classifications using a multivariate analysis approach
Dengler J., Boch S. & Löbel S.: Confouding effects of the species-area relationship on vegetation classification
Hédl R., Kopecký M., Somodi I., Černý T. & Petřík P.: Construction of a vegetation map derived from topographic predictors of vegetation types: how realistic can it be?

10.50-11.20 Coffee break

11.20-12.20 **Session 2 – Patterns and processes in woodlands and scrub** (chair: J. Cross)
Ewald J.: Analysing shade tolerance of tree species using phytosociological relevés and Ellenberg values
Bauer E.: The mountain forests of western and central Crete and the grazing impact
Gratani L., Bonito A., Crescente M.F.: Phenotypic plasticity of *Quercus ilex* L.: relationship between seed size, germination and seedling growth phases

12.20-13.30 Lunch

13.30-14.30 **Session 3 – Vegetation change I** (chair: J. Ewald)
Giriraj A., Beierkuhnlein C. & Murthy M.S.R.: Phytodiversity monitoring and land-cover change simulation in protected area of tropical rain forests and its measurement by satellite remote sensing and GIS
Vojta J., Kopecký M. & Drhovská L.: Imprints of history in vegetation of abandoned landscape
Alves P., Lomba Â., Vicente J., Macedo J.A., Torres J., da Rocha I. & Honrado J.: The usefulness of phytosociological datasets in addressing community assembly rules and in forecasting impacts of environmental changes

14.30-15.00 Coffee break

15.00-16.40 **Poster session I**

16.40-18.00 **Session 4 – Progress in national vegetation survey programmes I** (chair: P. Dimopoulos)
Schaminée J.H.J., Hennekens S.M., Chytrý M. & Rodwell J.S.: On the existence and availability of vegetation data in Europe – results of a questionnaire
Chiou C.-R., Song G.-Z. M. & Hsieh C.-F.: Vegetation mapping and database in Taiwan – introduction and phytosociological results
Apostolova I. & Meshinev T.: Bulgarian phytosociological database
Feola S., Acosta A., Carranza M.L., Janssen J. & Schaminée J.: Species diversity and ecological functioning of Atlantic and Mediterranean coastal dune ecosystems: a comparison

18.00-18.20 **Introduction to the Pavlov Hills and Pouzdřany Steppe excursion**
(J. Danihelka & J. Roleček)

2 May 2008

8.00-18.00 **Excursion to the Pavlov Hills and Pouzdřany Steppe**

3 May 2008

9.00-10.40 **Session 5 – Models of species diversity along gradients** (chair: J. Schaminée)
Herben T., Hájek M. & Tichý L.: Use of quasi-neutral models to interpret large-scale patterns in database data
Botta-Dukát Z.: Do specialists have narrower geographic range? Analysis of Hungarian flora based on the phytosociologial database
Li C.-F., Tichý L., Zelený D., Chytrý M., Hsieh C.-F., Chen M.-Y., Chen T.-Y., Chiou C.-R., Hsia Y.-J., Liu H.-Y., Yang S.-Z., Yeh C.-L., Wang J.-C. & Yu C.-F.: Species richness pattern along the elevation gradient: is the mid-domain effect the only reason?
Hájek M., Hájková P., Apostolova I., Schamp B., Tichý L., Roleček J., Zelený D. & Dítě D.: Using phytosociological data from mires in testing biogeographical hypotheses
Zelený D., Li C.-F. & Chytrý M.: Pattern of local plant species richness along the gradient of landscape topographic heterogeneity: result of spatial mass effect or shift in microsite environmental conditions?

10.40-11.10 Coffee break

11.10-12.10 **Session 6 – Vegetation change II** (chair: T. Herben)
Dobrovolsky A.: The use of the Markov Chain Model for the stand growth prognosis in the Oranienbaum Park
Neshatayev V.: Markov chain model describing the dynamics of the boreal forest vegetation under the influence of forest fires
Wellstein C.: Global change effects on seedling recruitment in grasslands

12.10-13.30 Lunch

13.30-14.50 **Session 7 – Progress in national vegetation survey programmes II** (chair: I. Apostolova)
Csiky J., Babai D., Botta-Dukát Z., Horváth F., Lájer K. & Mesterházy A.: New synthesis of the Hungarian vegetation I.: Freshwater aquatic vegetation of Hungary
Janišová M.: Survey of Slovak grassland vegetation
Cross J.: Progress in classifying native Irish woodlands
Jandt U. & Bruelheide H.: Using vegetation databases to scale up results from ecosystem functioning experiments

14.50-15.20 Coffee break

15.20-16.40 **Poster session II**

16.40-18.00 **Session 8 – Grassland diversity: effects of site factors and management** (chair: Z. Botta-Dukát)
Rodwell J., Gowing D., Lawson C., Prosser M., Wallace H. & Mountford O.: What controls the species-composition of floodplain grasslands?
Aidoud A., Bonis A., Merlin A., Marion B. & Bouzillé J.-B.: Plant community heterogeneity deriving from abiotic and grazing impacts in wetlands
Fosaa A.M.: Distinguishing between the effect of drainage and sheep grazing in an island ecosystem
Hejcman M., Schellberg J., Chytrý M. & Hennekens S.: The Rengen Grassland Experiment: effect of long-term fertilizer application on diversification of plant communities

19.00-22.00 **Garden party**

4 May 2008

9.00-10.40 **Session 9 – Large-scale diversity of vegetation types** (chair: F. Spada)
Bültmann H.: Terricolous cryptogams: role in vegetation description and diversity
Ermakov N.: Bioclimatic forest types in Southern Siberia
Redžić S.: Syntaxonomic diversity in the evaluation of biodiversity hotspots in Mediterranean region
Szoszkiewicz K. & Dawson F.H.: Vegetation as an indicator of river degradation based on survey in Great Britain and Northern Ireland
Sabugosa-Madeira B., Ribeiro H., Cunha M. & Abreu I.: Vegetation assessment with pollen flows study

10.40-11.10 Coffee break

11.10-12.10 **Session 10 – Vegetation change and the effects of invasive species** (chair: L. Mucina)
Maskell L., Smart S. & Norton L.: Vegetation change in UK Priority habitats
Isermann M.: Classification and habitat characteristics of plant communities invaded by the non-native *Rosa rugosa* Thunb. in NW Europe
Chytrý M., Pyšek P., Jarošík V., Maskell L., Pino J., Vilà M., Wild J., Font X., Smart S., Hájek O., Knollová I., Tichý L. & Danihelka J.: Level of invasion and invasibility of European habitats, assessed on the basis of large phytosociological databases

12.10-13.30 Lunch

13.30-14.50 **Session 11 – Distribution patterns and models** (chair: N. Ermakov)
Willner W., Dullinger S. & Moser D.: Analysis of dispersal limitation in the Austrian Alps using phytosociological data
Roleček J., Willner W., Starlinger F., Sadloňová J., Valachovič M., Csiky J. & Hájek O.: Distance decay in Central European oak forests
Prokhorov V. & Rogova T.: Spatial modeling of plant species potential habitats
Spada F., Casella L. & Agrillo E.: Causalistic distribution of *Styrax officinalis* within its Italian enclave

14.50-15.20 Coffee break

15.20-16.40 **Poster session III**

16.40-18.00 **EVS Bussiness meeting**

18.00-18.20 **Introduction to the Podyjí National Park excursion** (M. Chytrý)

5 May 2008

8.00-18.00 **Excursion to the Podyjí National Park**

Posters

(days of poster presentations are given in brackets)

1. Abbadi G.A., Al-Gassar H., El-Sheikh M.A. & Pignatti S.: Remote sensing of plant communities of Failaka Island, Kuwait *(1 May)*
2. Abramova L.: Adventization and invasibility of habitats in the Bashkortostan Republic *(3 May)*
3. Adamczak A.: From agrophytocoenoses to thickets and woods: vegetation changes after the cessation of anthropopressure *(4 May)*
4. Baisheva E.: Patterns of bryophyte diversity in the space of alliances of classes *Querco-Fagetea, Vaccinio-Piceetea* and *Brachypodio-Betuletea* in the Southern Urals *(1 May)*

5. Bartha S., Canullo R., Campetella G., Merolli A., Garadnai J., Gatto S. & Chelli S.: Assessing the effect of landuse changes in beech forests – an example from central Apeninnes, Italy *(3 May)*
6. Berg C., Jansen F. & Manthey M.: Distribution of non-native species in plant communities of Mecklenburg-Vorpommern (NE Germany) *(4 May)*
7. Berg C., Opelt K. & Berg G.: Biodiversity, ecology and biogeography of bacterial communities in *Sphagnum*-rich plant communities *(1 May)*
8. Bölöni J., Botta-Dukát Z., Illyés E. & Horváth F.: Vegetation regions by the classification of habitat lists of the MÉTA cells *(3 May)*
9. Boublík K.: Plant communities dominated by *Abies alba* in the Czech Republic *(1 May)*
10. Černý T., Kolbek J., Boublík K. & Petřík P.: Calciphilous thermophilous grasslands in South Bohemia – a comparison of variability between two periods *(1 May)*
11. Chizhikova N.A., Fardeeva M.B., Rogova T.V. & Saveliev A.A.: Using of data bases and digital maps of species for investigations of distribution patterns at the local scale *(3 May)*
12. Chizhikova N.A., Rogova T.V. & Saveliev A.A.: Spatial relationships of ecological-coenotical groups *(4 May)*
13. Chizhikova N.A., Rogova T.V. & Saveliev A.A.: Small-scale and large-scale spatial abundance variations of some ecological-coenotical species groups *(4 May)*
14. Chmura D., Adamski P. & Denisiuk Z.: The plant-pollinator interactions in xerothermic habitats using phytosociological data *(3 May)*
15. Cimalová Š., Chytrý M., Kubošová K. & Lososová Z.: Local and regional factors determining species composition of Central European weed vegetation *(1 May)*
16. Čiuplys R.: Diagnostic species groups in coniferous forests of the *Vaccinio-Piceetea* class in Lithuania *(3 May)*
17. da Rocha I., Marques J., Alves P., Torres J., Capelo J. & Honrado J.: Collecting Osyris's fragments in the desert: from syntaxonomy to community assembly in natural Portuguese forests *(4 May)*
18. Deil U., Alvarez M. & Paulini I.: Challenges of syntaxonomical reviews in underexplored areas: a case study based upon ephemeral wetland vegetation in South America *(1 May)*
19. Dörsing M.: Classification of *Corynephorion* vegetation *(3 May)*
20. Douda J.: Formalized vegetation classification of alder carrs and floodplain forests in the Czech Republic – an ecological interpretation *(4 May)*
21. Drees B.: Altitudinal zonation of arctic vegetation *(1 May)*
22. Drhovská L. & Vojta J.: The effect of historical landscape structure on secondary forest vegetation *(3 May)*
23. Grumo D., Zeliankevich N., Sozinov O. & Broska T.: Some results of studying of raised bog vegetation of Belorus *(4 May)*
24. Hájková P., Hájek M., Apostolova I., Zelený D. & Dítě D.: Phytosociological data revealed shifts in the ecological behaviour of plant species between two distant regions *(3 May)*
25. Hegedüšová K.: Diversity and classification of mountain grasslands of the alliance *Polygono-Trisetion* in the Slovak Republic *(4 May)*
26. Hettenbergerová E. & Hájek M.: Is species richness of spring fen vegetation dependent on contact communities? *(1 May)*
27. Illyés E., Bauer N. & Botta-Dukát Z.: Analysis of semi-dry *Bromus erectus* and *Brachypodium pinnatum* grasslands of Hungary *(3 May)*
28. Illyés E. & Botta-Dukát Z.: What are the factors affecting the naturalness of semi-dry *Bromus erectus* and *Brachypodium pinnatum* grasslands of Hungary? *(4 May)*
29. Keizer P.-J., Bakker R. & Bijkerk W.: Trends in Dutch roadside vegetation related to management measures *(1 May)*
30. Kolbek J., Černý T., Petřík P. & Boublík K.: Consideration on critical syntaxa of the xerothermic non-forest vegetation – a case study from the Czech Republic *(3 May)*
31. Kompała-Bąba A.: The ruderal vegetation of the Dąbrowska Basin (Silesian Upland) Poland *(4 May)*
32. Kopecký M.: Climate as determinant of forest composition in the Czech Republic *(1 May)*
33. Kuzemko A.: Ecological differentiation of the steppe meadow ecosystems in the plain part of Ukraine *(3 May)*
34. Laime B. & Tjarve D.: Plant communities of grey dunes as ecological indicators in Latvia *(4 May)*
35. Lawniczak A.E.: Effect of water level control on plant species diversity of a shallow lake *(1 May)*
36. Lengyel A., Botta-Dukát Z. & Csiky J.: How do accidental species influence multivariate analysis? *(3 May)*

37. Long M. & Kelly D.L.: Grazing effects on plant and mollusc diversity in woodland and grassland habitats in north Clare and south Galway, Ireland *(4 May)*
38. Lososová Z. & Cimalová Š.: Native and alien weed species richness and diversity under different disturbance regimes *(1 May)*
39. Lysenko T.: Halophytic communities of the steppe zone in the Volga region (Russia) *(3 May)*
40. Lyubina O.: Species richness analysis at landscape level based on species pool concept *(4 May)*
41. Májeková J. & Zaliberová M.: Invasive alien and expansive native plant species in agrocoenoses of Slovakia *(1 May)*
42. Marchese M., Poli Marchese E. & Grillo M.: Phytosociological study for a floristic-ecological conparation among vegetation types within the *Quercus ilex* belt of Mt. Etna (Southern Italy) *(3 May)*
43. Marian M., Coman M., Mihaly-Cozmuta L., Varga C. & Mihaly-Cozmuta A.: Research regarding the alien plant species in the surrouding of Satu Mare town (Satu Mare county, in North-West Romania) *(4 May)*
44. Marian M., Mihaly-Cozmuta L., Varga C., Coman M. & Mihaly-Cozmuta A.: The installation of primary vegetation on tailings ponds from non-ferrous ore mining area in the North Carpathians *(1 May)*
45. Martynenko V. & Mirkin B.: The reflection of the ecotone effect by the high-rank syntaxa of the South Urals forest vegetation classification *(3 May)*
46. Merunková K., Otýpková Z., Chytrý M., Danihelka J., Horsák M., Kočí M., Kubešová S., Lososová Z., Tichý L., Martynenko V. & Baisheva E.: What are the main drivers of species richness in European steppes? *(4 May)*
47. Mežaka A., Strazdiņa L., Madžule L., Brūmelis G., Liepiņa L., Znotiņa V. & Piterāns A.: Trends in Latvian bryophyte and epiphytic lichen diversity in Moricsala nature reserve *(1 May)*
48. Michálková D., Chytrý M., Illyés E., Janišová M., Kállayné Szerényi J. & Willner W.: Numerical classification of Central European steppes *(3 May)*
49. Molnár Z., Bölöni J. & Horváth F.: Endangerment and its quantification for the Hungarian (semi-)natural habitats *(4 May)*
50. Naqinezhad A., Attar F., Jalili A. & Wheeler B.D.: Using phytosociological relevés for characterizing wetland flora along an altitudinal gradient of dry slopes of Alborz Mts., N Iran *(1 May)*
51. Neshataeva V.: The forest vegetation of the Kuronian Spit (Kaliningrad Region, Russia): the history, diversity and dynamics *(3 May)*
52. Paulini I., Deil U., Camarda I. & Schumacher W.: Small-scale species richness of Mediterranean vegetation on the highland of Bitti-Buddusò (NE Sardinia, Italy) *(4 May)*
53. Pedashenko H. & Meshinev T.: Chalk grasslands on Lozenska mountain *(1 May)*
54. Petřík P.: Towards linking phytosociology and floristics *(3 May)*
55. Pinke G., Pál R. & Chytrý M.: Comparative analysis of weed species composition of winter cereal fields under three crop management systems *(1 May)*
56. Priede A.: What determines the habitat invasibility: an example of *Aronia prunifolia* in Latvia *(1 May)*
57. Rakowski W. & Stachnowicz W.: Phytosociological data as additional reference in the assessment of condition and conservation strategy for riparian habitats of European importance: the Natura 2000 SAC "Rogalińska Dolina Warty" (Poland) *(3 May)*
58. Roche J., Mitchell F. & Waldren S.: Plant community ecology of *Pinus sylvestris* L., an extirpated species reintroduced to Ireland *(1 May)*
59. Roleček J., Zelený D., Chytrý M. & Szabó A.: Simple method of subset selection from large vegetation data bases *(3 May)*
60. Rozbrojová Z.: Diversity of grassland vegetation in the West Carpathians *(4 May)*
61. Rudner M.: The response of plant functional types in *Nardus* grasslands to land-use change in the past 30 years – a study from two lower mountain ranges close to the Upper Rhine *(1 May)*
62. Ruiz Téllez T., Granado G.L. & Sánchez Guzmán J.M.: Progress in Charophyte phytosociological survey in the Guadiana River Basin (SW Spain) *(3 May)*
63. Salmina L.: Calcareous fen vegetation of Latvia *(4 May)*
64. Schoeb C., Kammer P.M., Choler P., Kikvidze Z. & Veit H.: Species distribution and aggregation/segregation patterns along a snowmelt gradient in snowbeds *(1 May)*
65. Šebesta J. & Veska J.: Dynamics of vegetation in natural fir-beech and spruce forests in East Carpathian Mts. *(1 May)*
66. Sekulová L.: Alpine and subalpine spring vegetation in the High Tatra Mts (Western Carpathians): Major types, environmental gradients and relationships between vegetation and environmental factors *(1 May)*

67. Semenishchenkov Yu.: The diagnostics of ecological conditions of the grass vegetation habitats with use of the coenoflors complex analysis method in space of syntaxonomical data *(3 May)*
68. Shagiev B. & Rogova T.: Development of indicator values on the basis of expert-statistical methods *(4 May)*
69. Sharkey N., Kimberley S. & Waldren S.: Quantitative investigation of turlough vegetation – preliminary findings *(1 May)*
70. Shaykhutdinova G. & Saveliev A.: Expert system approach for investigation and modeling of long-term forest dynamics *(3 May)*
71. Shirokikh P.: Comparison of an estimation efficiency of the environment conditions by different ecological scales in the forests of Southern Urals *(4 May)*
72. Šibíková I. & Šibík J.: The occurrence of arctic-alpine species within high-mountain plant communities in relation to enviromental factors, functional types and phytogeography *(4 May)*
73. Sierka E., Chmura D. & Molenda T.: The evaluation of floristic diversity of forest communities situated in the vicinity of mining subsidence reservoirs based on phytosociological data *(3 May)*
74. Šilc U., Vrbničanin S., Božić D., Čarni A., Dajić Stevanović Z.: Weed vegetation in northwestern Balkans: diversity and differentiation *(1 May)*
75. Simonová D.: Perennial ruderal vegetation of the Czech Republic: a new vegetation survey *(4 May)*
76. Skepetari M., Kokkini S. & Tsiripidis I.: Patterns of floristic differentiation of riparian forest vegetation along a rural to urban gradient *(1 May)*
77. Škodová I. & Janišová M.: The classification of grassland communities to the higher syntaxonomical units in Slovakia *(3 May)*
78. Song G.-Z., Chiou C.-R., Chien J.-H., Hsieh C.-F., Chen T.-Y. & Liu H.-Y.: The effects of the northeast monsoon on the altitudinal distribution of vegetations in Taiwan *(3 May)*
79. Sopotlieva D.: *Festuco-Brometea* communities in southeastern Bulgaria *(4 May)*
80. Sorokin A.N., Bondareva V.V. & Golub V.B.: Invasions by *Rosa rugosa* and *Hippophaë rhamnoides* and their habitats on Baltic coast of Russia *(1 May)*
81. Stančić Z.: Phytosociological database of non-forest vegetation of Croatia *(3 May)*
82. Stančić Z: The class *Phragmito-Magnocaricetea* in Croatia: classification, ecological conditions and threats *(4 May)*
83. Strachan I.: Vegetation, biodiversity and nature conservation in Scotland – making the links *(3 May)*
84. Šumberová K.: Possible influence of global climate change on wetland plant species diversity *(4 May)*
85. Tene Kwetche Sop G.: Is the Sahel greening? Response from the local communities of the Burkina Faso Sahel *(1 May)*
86. Ugurlu E. & Roleček J.: Numerical analyses and syntaxonomical revision of the oak woodland communities of Anatolia *(1 May)*
87. Uhliarová E., Janišová M. & Ujházy K.: Grasslands of the *Arrhenatherion elatioris* and *Cynosurion cristati* alliance in Slovakia *(3 May)*
88. Ujházyová M. & Ujházy K.: Differentiation of calcicolous beech forests (*Cephalanthero-Fagenion* suballiance) in Slovakia *(1 May)*
89. Valachovič M., Hrivnák R., Oťaheľová H. & Ripka J.: Changes of aquatic macrophyte vegetation: study from a basin river in Slovakia *(4 May)*
90. Varga C., Mihaly-Cozmuta L., Marian M., Mihaly-Cozmuta A., Rosca Mare O.: The mining activities impact on the vegetal associations in surrouding of Baia Mare town (Maramures County) *(4 May)*
91. Varone L. & Gratani L.: Shrub discriminant traits of the Mediterranean maquis *(3 May)*
92. Vassilev K. & Apostolova I.: Biodiversity in the calcareous grasslands northwest of Sofia *(1 May)*
93. Velev N. & Apostolova I.: *Nardus stricta* grasslands in the Balkan Range (Bulgaria) *(3 May)*
94. Veselá I., Zelený D., Li C.-F. & Chytrý M.: Bioassay experiment for assessment of site productivity in oak forests *(4 May)*
95. Vymazalová M.: How to express topographically complex landscape in vegetation data analysis? *(1 May)*
96. Zelnik I. & Čarni A.: Wet meadows of the alliance *Molinion* and their environmental gradients in Slovenia *(3 May)*
97. Zouhar V., Kubošová K. & Chytrý M.: Supervised classification of phytosociological data using artificial neural networks and random forests *(4 May)*