



## 18<sup>th</sup> International Workshop of European Vegetation Survey



March 25 - 28, 2009 Orto Botanico di Roma Università "La Sapienza"



### **"THERMOPHILOUS VEGETATION"**

*What does "Favourable Conditions" for Habitat of the EC Directive mean ?  
What are the implications for management (EU Life+ & FESR Projects, other Natura 2000 projects)*

*Coenology and the Historical ecology of Plant Communities*

## **PROGRAMME**

### **Collaborating Institutions:**

*Rettorato - Università degli Studi di Roma "La Sapienza"  
Regione Lazio - Dipartimento Conservazione della Natura  
Associazione Forum Plinianum  
Parco Naturale Regionale "Bracciano Martignano"  
Riserva Naturale Regionale "Monterano"*



DIPARTIMENTO  
DI BIOLOGIA VEGETALE  
MUSEO ORTO BOTANICO  
SAPIENZA  
UNIVERSITA' DI ROMA

## Tuesday 24 March

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16<sup>00</sup>-18<sup>00</sup> - Registration (EVS-Italia secretariat in Administration Building - 1<sup>st</sup> Floor)

## Wednesday 25 March

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09<sup>00</sup>-10<sup>00</sup> - Registration (EVS-Italia secretariat in Administration Building - 1<sup>st</sup> Floor)

10<sup>00</sup>-10<sup>15</sup> - Welcome - "Arancera" hall

10<sup>15</sup>-11<sup>30</sup> - Session 1 - Thermophilous vegetation & climate I (Chair S. Pignatti) - "Arancera" hall:

Ammassalik vegetation revisited (1968/1969 - 2007) - Vegetation Change and Global Warming in the coastal low-arctic tundra of Southeast Greenland

Daniëls Fred J.A. & De Molenaar Hans G.

Are plants moving upwards during the 20<sup>th</sup> century? An inventory based on the French data bank Sophy

Grandjouan Gilles & Brisse Henry

Effect of climate change on forest ecosystems in Italy

Attorre F., Francesconi F., Valenti R., De Sanctis M., Vitale M., Di Traglia M. & Bruno F.

Adaptative strategies of psammophilous species.

Gratani L., Varone L. & Crescente M.F.

11<sup>30</sup>-12<sup>00</sup> - Coffee & Tea in "Arancera" hall

12<sup>00</sup>-13<sup>00</sup> - Session 2 - Thermophilous vegetation & climate II (Chair J. Rodwell) - "Arancera" hall:

Floristic changes in thermophilous woodland and "pozzine" in the surrounding of Rome - years 2004-2008

Fanelli G., Cerrito M., Cicuzza D. & Testi A.

How natural are thermophilous oakwoods in sub-continental conditions of Central Europe? Half-century succession in the Milovický Wood, Pannonian biogeographical province of the Czech Republic.

Hedl Radim, Szabo Peter, Kopecky Martin, Wernerova Veronika & Komarek Josef

What is exactly the *Rosa sempervirentis-Quercetum pubescentis* Biondi 1986?

Biondi Edoardo, Simona Casavecchia & Daniela Gigante

Recent vegetation history of the Northern Adriatic karst and flysch areas: shifts in thermophily

Kaligarič Mitja, Metka Culiberg & Andrej Paušič

13<sup>00</sup>-14<sup>30</sup> - Lunch in Exhibition Greenhouse

14<sup>30</sup>-15<sup>30</sup> - Session 3 - Thermophilous vegetation & climate III (Chair L. Mucina) - "Arancera" hall:

Effects of habitat fragmentation on population biology and seed bank of four plant species in calcareous grasslands

Steiner Luisa & Rainer Buchwald

Nutrient relationships and management history in European thermophilous grasslands

Merunková Kristina, Otýpková Zdenka & Chytrý Milan

Simulation of the Dynamics of European Boreal Vegetation under the Influence of Global Warming

Neshataev Vasiliy

Thermal flora and vegetation of Hévíz lake and ditches near Keszthely (Hungary) regarding colonizing neophytes

Szabó István

15<sup>30</sup>-16<sup>00</sup> - Coffee & Tea in "Arancera" hall

16<sup>00</sup>-17<sup>00</sup> - Session 4 - Thermophilous vegetation & climate IV (Chair J. Schaminée) - "Arancera" hall:

Vegetation Survey of High-Rank Syntaxa of Europe (EuroChecklist): A Brief Story of a Long Journey

Mucina L & The Team of the Euro-Checklist

Dry grasslands at Monte Gargano pedimont and the legacy of the last pleniglacials

Spada F., & M. D. Magri

Studying altitudinal distribution of tree species in the Bavarian Alps using the BERGWALD databank  
Ewald Joerg  
Compositional divergence among ancient and recent forests: evidences from the field  
Chiarucci Alessandro, Giovanni Bacaro, Sara Landi, Valerio Amici, Francesco Geri, Duccio Rocchini

17<sup>00</sup>-18<sup>30</sup> Poster Session 1 - in Exhibition Greenhouse and EuroChecklist Editorial Meeting in the Library  
(Administration Building - 1<sup>st</sup> Floor)

Thursday 26 March

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09<sup>00</sup>-11<sup>00</sup> - Session 5 - *Thermophilous vegetation & climate V* (Chair J. Ewald) - "Arancera" hall:

Forests of the Southern Urals - a modern analogy of the early Holocene forests of Central Europe  
Chytrý Milan, Danihelka Jiří, Horsák Michal, Kočí Martin, Kubešová Svatava, Lososová Zdenka,  
Otýpková Zdenka, Tichý Lubomír, Martynenko Vassiliy, Baisheva Elvira  
Functional response traits to climatic gradients in alpine dry grassland ecosystems  
Wellstein Camilla & Kuss Patrick  
From thermophily to cryophily: similarities of lichen floras from Italy to Greenland  
Buelmann Helga  
Thermal symmetry breaking at sunrise in ecosystems of extreme habitats  
Pignatti Sandro  
Effects of temperatures on the spatial arrangement in Mediterranean annual dry grasslands  
Guarino Riccardo & Gianpietro Giusso del Galdo  
Correlation analysis between ecological pattern and distribution of vegetation communities in  
mountain grassland landscape of Umbria-Marches Apennines (Central Italy)  
Catorci Andrea, Cesaretti Sabrina, Gatti Renata, Pieruccini Pierluigi & Tardella Federico Maria  
Temporal trends of occurrence and species composition of calcareous dry grasslands in the  
German vegetation database  
Jandt Ute & Bruelheide Helge

11<sup>00</sup>-11<sup>30</sup> - *Coffee & Tea* in "Arancera" hall

11<sup>30</sup>-13<sup>00</sup> - Session 6 - *Classification of thermophilous vegetation I* (Chair E. Bergmeier) - "Arancera" hall:

Dry grasslands of the *Bromo pannonici-Festucion pallentis* and *Diantho lumnitzeri-Seslerion* in  
Slovakia - a formalized classification  
Janišová Monika & Daniela Dúbravková  
Dry grasslands in the Western Carpathians and northern Pannonian Basin - a numerical  
classification  
Dúbravková Daniela, Chytrý Milan, Illyés Eszter, Janišová Monika, Kállayné Szerényi Júlia & Willner  
Wolfgang  
Vegetation cover of thermal fields and hot spring environs of the Kamchatka Peninsula (Russian  
Far East)  
Neshataeva Valentina  
The basiphilous semi-dry grasslands (*Festuco-Brometea*) in N and NE Europe: from a vegetation  
database to a consistent large-scale classification  
Dengler Jürgen, Rūsiņa Solvita, Boch Steffen & Löbel Swantje  
The *Lygeo-Stipetea* class in Sicily  
Brullo S., G. Giusso del Galdo, R. Guarino, P. Minissale, G. Siracusa, L. Scuderi, G. Spampinato  
The origin, dynamics and syntaxonomy of thermophilous calcareous vegetation of class *Festuco-  
Brometea* Br.-Bl. et R.Tx in Br.-Bl. 1943 at the Dinaric Alps (W. Balkan)  
Redzic Sulejman

13<sup>00</sup>-14<sup>30</sup> - *Lunch* in Exhibition Greenhouse

14<sup>30</sup>-15<sup>30</sup> - Session 7 - *Classification of thermophilous vegetation II* (Chair I. Apostolova) - "Arancera" hall:

Phytogeographical and syntaxonomical vicissitudes at European level related to the  
phytosociological analysis of the thermophilous chasmophytic vegetation of southern Italy  
Di Pietro R., D'Amico F., Terzi M. & Wagensommer R.P.  
Phytosociological survey of the temporary pools systems in Apulia region  
(South-Eastern Italy)

Beccarisi Leonardo, Ernandes Paola, Gigante Daniela, Venanzoni Roberto & Zuccarello Vincenzo  
Thermophilous deciduous forests in Southeastern Europe  
Andraž Čarni, Petra Košir, Branko Karadžić, Vlado Matevski, Sulejman Redžić & Željko Škvorc  
Application of Zurich-Montpellier method for studying tropical plant communities.  
Borhidi A., Capote R.P. & Fernández M.Z

15<sup>30</sup>-16<sup>00</sup> - *Coffee & Tea* in “Arancera” hall

16<sup>00</sup>-17<sup>00</sup> - *EVS Business meeting* in “Arancera” hall

17<sup>00</sup>-18<sup>15</sup> - *Poster Session 2 - in Exhibition Greenhouse and Software demonstrations* in “Arancera” hall:  
“WEB-GIS application of the Lazio Biodiversity Observatory“

18<sup>15</sup>-18<sup>30</sup> *Excursion briefing* in “Arancera” hall

## Friday 27 March

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9:00-18:00: *Full day excursion to the volcanic district of Bracciano and Canale  
Monterano Nature Reserve, SPA/SCI areas of the Natura 2000 network.*

## Saturday 28 March

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09<sup>00</sup>-11<sup>00</sup> - *Session 8 -Vegetation change & conservation status (Chair A. Borhidi)* - “Arancera” hall:

Conservation Status of Habitats in Germany: results of the National report (Art. 17) on Natura 2000 and options for future nature conservation

Ssymank Axel

The Red Data Book of Bulgarian habitats - some preliminary conclusions

Rossen Tzonev; Chavdar Gussev; Veska Rusakova & Marius Dimitrov

Lime at the limits: climatic, economic and religious intolerance in a *Tilio-Acerion* landscape.

Rodwell John S. & Hey David

Pasture landscapes with high biodiversity - a favourable nature conservation strategy in woodland types of the EU Habitats Directive?

Bergmeier Erwin, Petermann Jörg & Schröder Eckhard

Thermophilous wetland plant species in the Czech Republic - distribution changes as a consequence of human impact

Sumberova Katerina

In wild *ex situ* conservation of a rare and endangered species: the self-sustaining translocation of the thermophilous *Cyperus polystachyos* in a agricultural Protected Area

Crosti R., Fabrini G. & Morgutti A.

Biomization: Historical Phytogeography revisited

Spada Francesco

Assessing the conservation status of habitats of European Community Interest

Evans Doug

11<sup>00</sup>-11<sup>30</sup> - *Coffee & Tea* in “Arancera” hall

11<sup>30</sup>-12<sup>30</sup> - *Session 9 - Bioinformatics, vegetation databases & classifications (Chair M. Chytrý)* -

“Arancera” hall:

The Construction of the National Vegetation Survey Databank “EGYPT Vegetation Archive”

El-Sheikh A. Mohamed & Zakareyia M. Mohamed

A simple yet precise method to impute missing pH and conductivity values in ecological data sets using species composition

Tichý Lubomír, Michal Hájek & David Zelený

On the concept of ecological similarity in vegetation science

Rolecek Jan & Kintrova Katerina

Vegetation plot data and databases in Europe: an overview

Schaminée H.J. Joop, Stephan M. Hennekens, Milan Chytrý & John S. Rodwell

12<sup>30</sup>-13<sup>30</sup> - Poster Session 3 - in Exhibition Greenhouse

13<sup>30</sup>-14<sup>30</sup> - Lunch

14<sup>30</sup>-18<sup>00</sup> - Garden Party "Festa di Saluto"

## Posters

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Abramova L.M.: Invasion alien plants in thermophilous communities of steppe zone of South Urals

Aidoud A. & Clément B.: Using phytosociological data analysis to assess vulnerability of European wetland habitats to the global change

Alvarez M., Mösele B. M., San Martín C. & Paulini I.: Numerical and syntaxonomical analysis of the class *Molinio-Arrhenatheretea* in Chile: preliminary results

Apostolova I., Meshinev T., Vassilev Kiril & Pedashenko Hristo: *Sesleria latifolia* thermophilous grasslands in Bulgaria

Biró M., Molnár Z., Horváth F. & Kröel-Dulay G.: Phytosociological and historical landscape ecological change of open sand grasslands (*Festucetum vaginatae*) in the last 200 years

Bonis A., Membrey C. & Bouzillé J.-B.: Landscape approach for conservation-oriented management of Atlantic lagoons

Botta-Dukát Z.: How can the noise elimination increase the reliability of classification?

Brzeg A., M. Kasprowicz, W. Rakowski, M. Wojterska & D. Iakushenko: Differentiation of thermophilous oak forest *Potentillo albae-Quercetum* Libb. 1933 nom. invers. in Europe

Casella L., Agrillo E. & Spada F.: Restoration of biotopes of aquatic vegetation of Natura 2000 Habitat type: a case study from the floodplain of the river Tiber (Central Italy)

D'Angeli D., Fanelli G. & Testi A.: Effects of fragmentation in the forest clearings of the central Apennines.

De Nicola C., Testi A., Fanelli G., Crosti R.: Ecological classification of forest communities in Central Apennines (Abruzzo) through soil parameters and ecoindicators

Dobrovolsky A.: The comparison of long-term tree structure dynamics in Oranienbaum Park and LTA Park (North-West Russia)

Feola S., Carranza M.L., Janssen J., Schaminée J. & Acosta A. T.R.: European beach and foredune habitat types (92/43/EEC). A comparison between Atlantic and Mediterranean habitats using large scale vegetation databases.

Gangale C. & Uzunov D.: Petrifying springs in the gorge of Reschia River (S Italy)

Guidotti S., Testi A. & Pignatti S.: Microclimatic responses of forest associations to climatic change: a study case in the oak forests near Rome

Gustina L.: Regularities of distribution of the xerothermic plant communities in the Islice river valley

Hegedúšová K., Janišová M., Škodová I. & Kochjarová J.: Phytosociological affiliation of *Teploseris longifolia* ssp. *moravica* and two related species in the Western Carpathians

Iakushenko D. M.: Grasslands on the sands of the nemoral zone of Ukraine: syntaxonomy, ecological evaluation, distribution patterns

Ingegnoli V. & E. Giglio.: The vegetation of Mori (Trento) and its warmest district: the landscape unit of Mori-Talpina

Izzi C. F. & Acosta A.: Are European coastal dune systems so similar? A comparison between Atlantic (Aquitaine region, France) and Mediterranean (Lazio region, Italy) coastal dunes

Janišová M., Rūsiņa S. & Dengler J.: European Dry Grassland Group - a new network for dry grassland research and conservation

Janssen A.M. J. & Sander (C.) A. Múcher: A quick method for mapping Natura 2000 habitat types

Jarolímek I., J. Šibík, K. Hegedúšová, M. Janišová, J. Kliment, P. Kučera, J. Májeková, D. Michálková, J. Sadloňová, I. Šibíková, I. Škodová, L. Tichý, K. Ujházy, M. Ujházyová, J. Uhlířová, M. Valachovič and M. Zaliberová: Diagnostic, constant and dominant species of the higher vegetation units of Slovakia

Lazio Region, Regional Directorate for Environment and International Cooperation, Conservation Office. Making the Rural Development Policy 2007-2013 a better opportunity for conservation. Indications for planning interventions in Protected Areas and Natura 2000 Sites of the Latium Region (Italy)

Lengyel A., Z. Botta-Dukát & J. Csiky: Averaging and analysis of concentration of ecological indicator values - an example from the South Hungarian mesic meadows

Maltsev M. V.; Nikolaychuk L.F. & Golub V. B.: Xerophytic plant communities of the Volga-Akhtuba flood-plain

Otýpková Z., Merunková K. & M. Chytrý: Scale-dependence of species richness in European dry grasslands

Pál R., Pinke G. & Botta-Dukát Z.: Comparative analysis of lawn flora of differently managed village yards in South-West Hungary

Pedashenko H., Vassilev, K. & Apostolova I.: Local occurrence of *Artemisia chamaemelifolia* Will. on the Balkans

Pelikan I. & Willner W.: Fringe communities of the class *Trifolio-Geranietea* in the Wienerwald (Austria)

Poli Marchese E., M. Grillo & E. Magro: The vegetation on two significant gullies of Iblei mountains (Southern Italy)

Purger D., Csiky J., Lengyel A., Kevey B., Lendvai G. & Horváth A.: Oak forests on loess in Hungary and Croatia

Rozbrojová Z. & Hájek M.: Tissue element concentrations as indicators of underlying factors for vegetation gradients in fens and wet meadows - comparison of community and individual-species level

Salamon-Albert É. & Lőrincz P.: Coenological status of the *Iris* meadows (*Iridetum sibiricae* Philippi 1960) in Hungary

Semenishchenkov Y. A.: Dry grasslands of Southern Nechernozemje of Russia: syntaxonomy, habitats, management and protection

Sharova I.S., A.N. Barmin, K.A. Starichkova & V.B.Golub: The vegetation dynamics of the northern part of the Volga-Akhtuba flood-plain.

Škodová I.: Formalized Classification of Subxerophilous Grassland Vegetation (*Cirsio-Brachypodium pinnati*, *Bromion erecti*) in the Slovak Republic

Sopotlieva D. G.: The halophyte and subhalophyte inland communities in South-East Bulgaria

Sorokin A. N., Bondareva V. V. & Golub V. B.: Plant communities of the class *Crypsieteae aculeatae* Vicherek 1973 on the territory of Eurasia

Spada F., M. Cutini & B. Paura: Floristic changes along the topographical gradient in montane grasslands in Monti Picentini (Campania, South-Western Italy)

Stachnowicz W.: Thermophilous grasslands and some forms of semi-moist meadows (*Bromion erecti*, *Molinion*) as a result of a long-term military activity

Szabo I. & Kercksmar V.: The Role of the Southern Species in the Flora and Vegetation of Jaba Valley Region (Somogy County, Hungary)

Ugurlu E. & Ozcan S.: Vegetation of the Middle Gediz Basin

Uzunov D., Gangale C. & Caruso G.: Sand dune vegetation on the Ionian coast of Calabria: SCI "Dune di Marinella"

Yamalov S. & Bayanov A.: The diversity of steppe communities (class *Festuco-Brometea*) of South Ural (Russia)

Zelený D. & Tichý L.: JUICE and R: new developments in visualization of unconstrained ordination analysis of vegetation data