

ABSTRACTS' BOOK

Global Strategy for Plant Conservation

First International Symposium of the FIP

Valencia 13th-17th September 2011 | Botanical Garden University of Valencia





Federation Internationale
de Phytogeographie



UNIVERSITAT DE VALÈNCIA
Jardí Botànic

Global Strategy for Plant Conservation

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PROGRAMME

Tuesday **September 13th**

9h - Registration

12h - Opening Ceremony 1st International Symposium of the FIP

13h - Opening Session

Salvador Rivas-Martínez

Worldwide Bioclimatic Classification System: cartographic expression

Carlo Blasi

Modern perspectives for plant sociology

14h - Lunch

15h - Poster Session

16h - 1st Symposium: Ecosystem services: the role of vegetation, ecological mapping and land use
Chairman: **Jorge Capelo**

16.15h - Speaker: **Miguel Sequeira**

**BRINGING TOGETHER VEGETATION SCIENCE, ECO-TOURISM AND CONSERVATION
TOWARDS SUSTAINABILITY IN THE LAURISILVA OF MADEIRA**

17h - Coffee break

17.15h - Oral Contributions:

Updating, results and potential applications of the indexes system for the evaluation of agro-ecosystem's functionality

F. Taffetani, M. Rismondo & A. Lancioni

Predicting the potential natural vegetation in Sado estuary and Comporta Galé sites with data mining models – community-level modeling and habitat restoration

F. Gutierrez, E. Reis, C. Neto & J. C. Costa

Estimating ecosystem services of vegetation: vegetation structure and composition, plant phenology and honey production in a Mediterranean sylvo-pastoral landscape

S. Bagella, A. Satta, M. C. Caria, I. Rossetti, F. Buffa & I. Floris

The importance of natural ecosystems and economic changes in ecosystem anthropogenic

M. M. Redondo García & A. B. Hermosilla González



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18.15h-19h - Open discussion and chairman conclusions

21h - Congress dinner

Thursday **September 15th**

Mid-symposium excursion from the Valencia coastal area (sand dunes and marshes) to the cliffs of Alicante (Parque Natural de l'Albufera, Parque Natural del Montgó)

Friday **September 16th**

9h - Workshop: Towards a prodrome of European vegetation

Chairman: **Javier Loidi**

9.15 h - Speaker: **Milan Chytrý**

VEGETATION-PLOT DATABASES AND LARGE-SCALE VEGETATION CLASSIFICATION

10h - Coffee break

10.15h - Oral Contributions:

Vegetation surveys of priority habitats using multiple databases: the example of rich brown-moss fens in Europe

B. Jiménez-Alfaro & M. Hajek;

Contribution to a prodrome of Algerian vegetation: a synopsis of forest communities

R. Meddour, O. Meddour-Sahar, L. Zeraia, F. Bensettiti & A. Derridj

On the presence of the *aceri granatensis-quercion fagineae* alliance in mainland Portugal: a syntaxonomic review for the Iberian Peninsula

J. C. Costa, T. Monteiro-Henriques, J. C. Costa, A. Bellu & C. Aguiar

Classifications par étape des relevés de la banque SOPHY

H. Brisse, P. De Ruffray, E. Garbolino & G. Grandjouan

Synopsis of the German Plant Communities: printed and projected volumes

H. Dierschke & A. Schwabe

Syntaxonomic differentiation of the north-eastern Italian grey alder woods

G. Sburlino, L. Giovagnoli, L. Poldini & S. Tasinazzo

11.45h - Open discussion and chairman conclusions

12.15h - Closing

12.30h - AEFA Assembly

13h - Lunch and Visit to the Botanical Garden - City Tour

ON THE PRESENCE OF THE ACERI GRANATENSIS-QUERCION FAGINEAE ALLIANCE IN MAINLAND PORTUGAL: A SYNTAXONOMIC REVIEW FOR THE IBERIAN PENINSULA

Costa Jose Carlos¹, Monteiro-Henriques Tiago¹, Bellu Annalisa², Aguiar Carlos³

1) Technical University Of Lisbon (tulisbon), Instituto Superior De Agronomia, Centro De Botânica Aplicada À Agricultura (cbaa), Lisboa, Portugal;

2) Technical University Of Lisbon (tulisbon), Instituto Superior De Agronomia, Centro De Ecologia Aplicada Prof. Baeta Neves (ceabn), Lisboa, Portugal;

3) Escola Superior Agrária De Bragança, Departamento De Biologia, Bragança, Portugal

Abstract:

The mesophilous woods dominated by *Quercus faginea* subsp. *faginea* or *Acer monspessulanum* thriving on neutral to alkaline deep clayish soils have been collected under the alliance *Aceri granatensis-Quercion fagineae* (Rivas Goday, Rigual & Rivas-Martínez in Rivas Goday, Borja, Esteve, Galiano, Rigual & Rivas-Martínez 1960) Rivas-Martínez 1987. Punctually, woods dominated by *Q. faginea* subsp. *alpestris*, *Corylus avellana* or *Acer granatensis* have also been ascribed to this alliance. In the Iberian Peninsula, these mesophilous woods are mainly found within the Western Mediterranean region, mainly in the eastern half of the Iberian Peninsula and occasionally in the Majorcan northern mountains, generally in mountainous areas under meso to supramediterranean, sub-humid to humid, euoceanic to semicontinental bioclimates (Rivas-Martínez et al. 2002). This alliance belongs to the *Quercetalia pubescentis* order from the *Querco-Fagetea* class, and was not represented in Portugal until the actual moment. We present two new associations, one dominated by *Quercus faginea* subsp. *faginea* and a second one dominated by *Acer monspessulanum* for the Portuguese territory.

We analysed 188 Iberian vegetation relevés ascribed to the *Aceri granatensis-Quercion fagineae* alliance using a cluster analysis (both agglomerative and k-means clustering). The results were generally consistent with the phytosociological unit, but minor changes are proposed. A subsequent analysis of the indicator value (of Dufrêne & Legendre) of species is presented, highlighting the species with higher indicator values resulting statistically significant on the permutation test.