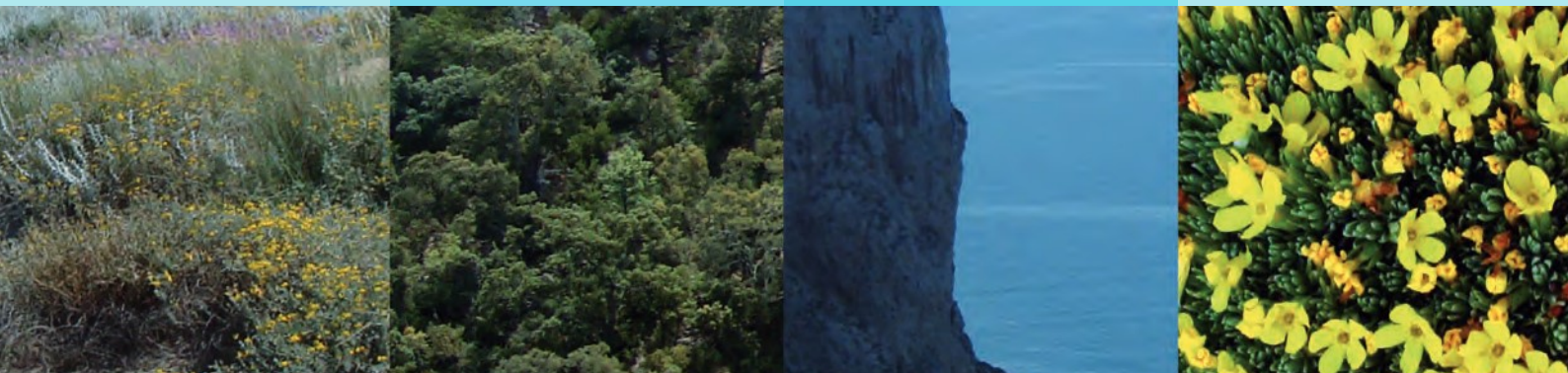


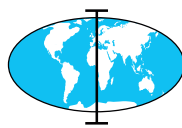
ABSTRACTS' BOOK

Global Strategy for Plant Conservation

First International Symposium of the FIP



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



Federation Internationale
de Phytosociologie



VNIVERSITAT D VALÈNCIA
Jardí Botànic

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Caja
Mediterráneo



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COMMITTEES

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- Amparo Narbona (University of Valencia)

PROGRAMME

09:00h

Registration

12:00h

Opening Ceremony First International Symposium of the FIP

13:00h

Opening Session

Salvador Rivas-Martínez: **Worldwide Bioclimatic Classification System: cartographic expression**
Carlo Blasi: **Modern perspectives for plant sociology**

14:00h

Lunch

15:00h

Poster Session

16:00h

**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

17:00h

Coffee break

17:15h

Oral Contributions:

EC01

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

F. Taffetani, M. Rismondo & A. Lancioni

EC02

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

EC03

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

EC04

The importance of natural ecosystems and economic changes in ecosystem anthropogenic

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

EC05

The influence of human action on the ecosystems of Alto Tajo Natural Park (Guadalajara and Cuenca, Spain)

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

EC06

Post-fire regeneration of Quercus sp. communities in Alto Alentejo, after severe wildfires (Year 2003)

M. Pereira, N. Guiomar & M. Martins

EC07

The costal vegetation of Namibe (Southwest of Angola)

J. C. Costa, J. F. Costa, M. C. Duarte & I. Moreira

EC08

Bryophyte coastal vegetation of the Cilento and Vallo di Diano National Park (Italy) as a tool for ecosystem assessment

M. Privitera, M. Puglisi & R. Costa

EC09

Ecoregions of Italy and ecological services

C. Blasi, E. Feoli, G. Galante, G. Incerti, F. Manes, N. Zaccarelli, G. Zurlini G & G. Capotorti

19:30h-20:00h

Open discussion and Chairman conclusions

Wednesday September 14th

09:00h

2ND SYMPOSIUM:

ANCIENT FORESTS AND THEIR ECOLOGICAL VALUE

Chairman: Richard Pott

09:15h

Speaker: Jerzy Szwagrzyk, M. Łysik & J. Szewczyk

Plant diversity in old-growth forests of Central Europe: What can we learn from natural forest remnants

10:00h

Coffee Break

10:15h

Oral Contributions:

ANC1

Towards a Southern European old-growth forest network

S Burrascano, F. M. Sabatini. & C. Blasi

ANC2

Contribution to the knowledge of the edaphoxerophilous plant communities in the south of the Iberian Peninsula (Spain, Portugal)

C. J. Pinto Gomes, A Cano-Ortiz, C Meireles, C. Vila-Viçosa & E.Cano

ANC3

Memory of forest – changes of landscape structure, floristical composition and ecological conditions during last 220 years

A. Carni & A. Pausic

ANC4

Ancient forests in two national parks of the central Apennines

A. R. Frattaroli, G. Ciaschetti , C. Console, G.Di Marco, M. Marchetti & G. Pirone

ANC5

Plant life in extreme habitats: studies on conifers growing on ultramafics under Mediterranean bioclimate (California, Spain)

V. De La Fuente Garcia, D. Sánchez-Mata, L. Rufo, N. Rodríguez, R. Amils, A. Asensi & B. Díez-Garretas

ANC6

A relict wood of Juniperus turbinata Guss. in S Sicily. Ecological status, age structure and conservation perspectives

P. Minissale, S.Sciandrello & I.Galletti

ANC7

The Polylepis Ruíz & Pavón and Aragoa Kunth. relict micro forests in the Andes of Mérida (Venezuela)

M. Costa, J. A Cegarra, L.Lugo, J. Guevara, J. Lozada & P. Soriano

ANC8

Causes and determinants of beta diversity in Southern-European old-growth forests

F.M. Sabatini, S. Burrascano & C.Blasi

12:15h

Open discussion and Chairman conclusions

13:00h

Lunch

14:00h

Poster session

15:00h

**3RD SYMPOSIUM:
THE HABITATS DIRECTIVE - MONITORING AND MANAGEMENT PROGRAMS,
IN-SITU AND EX-SITU CONSERVATION PLANS**

Chairmans: Edoardo Biondi & Frédéric Bioret

15:15h

Speaker: Douglas Evans

Monitoring and reporting for the habitats directive

16:00h

Coffee break

16:15h

Oral Contributions:

HAB1

A proposal for new habitats in Andalusia (Spain)

E. Cano Carmona, J. Mota Poveda, J. Muñoz Álvarez & C. Pinto Gomes

HAB2

Enlargement of FFH-areas by restoration approaches: the case of inland sand ecosystems

A. Schwabe-Kratochwil & A. Kratochwil

HAB3

Calcareous scree slopes habitat monitoring in Piatra Craiului National Park (Romania)

P. Oliviu Grigore

HAB4

Habitats cartography of the Valencian Community: a Gis-based tool for the management and conservation of Natura 2000 vegetation types in Eastern Spain

C. Fabregat, J. Casabó, J. Fabado & J. Soler

HAB5

Is Natura 2000 Network representative of the actual vegetation diversity at Regional scale?

D. Gigante, F. Landucci, F. Maneli & R. Venanzoni

HAB6

Higo demonstrative actions for the conservation of priority habitats in Northern mountain areas in Portugal

M. Gerales, C. Neto, P. Monteiro, J. Honrado, B. Caldas & C. Aguiar

HAB7

Coleanthus subtilis – ex situ and in situ Conservation of a priority species

K.-G. Bernhardt, S. Hameister & M. Koch

HAB8

A cartographic, phytosociological, sindynamic, geosynphytosociological and habitats (sensu Directive 92/43/eec) database. The Regione Marche case study

S. Pesaresi, E. Biondi & S. Casavecchia

18:15h-19:00h

Open discussion and chairman conclusions

21:00h

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

09:00h

WORKSHOP:TOWARDS A PRODROME OF EUROPEAN VEGETATION

Chairman: Javier Loidi

09:15h

Speaker: Milan Chytrý

Vegetation-plot databases and large-scale vegetation classification

10:00h

Coffee break

10:15h

Oral Contributions:

TOW1

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

B. Jiménez-Alfaro & M. Hajek;

TOW2

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

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

TOW3

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

TOW4

Classifications par étape des relevés de la banque SOPHY

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

TOW5

Synopsis of the German Plant Communities: printed and projected volumes

H. Dierschke & A.Schwabe

TOW6

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

13:00h

Lunch and Visit to the Botanical Garden.

15:00h

City Tour

Saturday September 17th

Post-congress excursion from Valencia to the Mediterranean high mountain area of Teruel
(Sierra de Javalambre)

A RELICT WOOD OF *JUNIPERUS TURBINATA* GUSS. IN SICILY. ECOLOGICAL STATUS, AGE STRUCTURE AND CONSERVATION PERSPECTIVES

Minissale Pietro¹, Sciandrello Saverio¹, Galletti Iolanda²

1) Dipartimento Di Biologia "m. La Greca", Sez. Biologia Vegetale, Università Di Catania, Italy;

2) C.i.r.s. - Centro Ibleo Di Ricerche Speleo-idrogeologiche, Ragusa, Italy

Abstract:

In Sicily, the populations of *Juniperus turbinata* are nowadays extremely rare and isolated. From literature, this species has been reported several times from Sicily (Giardina et al. 2007), but most of the records are outdated and currently not confirmed or reduced to a few still surviving individuals. The largest populations so far known were reported from Ragusa (Bartolo et al. 1982) and Monti Sicani (Gianguzzi et al. 2007). A new, large juniper-stand has been found in the territory of Acate (Ragusa), on Pleistocenic sands, counting several old individuals, over 6 m tall. Our research aims at characterizing this relevant new finding, with a strong focus on demography and sinecology of the vegetation at issue.

The data analysis showed a large prevalence on old individuals, with subordinate presence of younger individuals. The renovation is probably reduced because of the considerably xeric environment, hampering the viability of seedlings on bare soil. The new seedlings germinate amidst the low shrubs of the understorey such as *Pistacia lentiscus*, *Rosmarinus officinalis*, or the same *Juniperus turbinata* and may reach the adult age only in case of occasional thinning-out of the sheltering shrubs. From the phytosociological viewpoint, the reference community of the juniper-vegetation in south-eastern Sicily is *Junipero-Quercetum calliprini*. In our stands, despite the remarkably similar floristic settlement, *Quercus calliprinos* is missing, probably because of the too dry environmental conditions. Indeed, it normally grows together with juniper on sandy soils, but perhaps it requires a little more humid edaphic conditions. Therefore, the phytosociological frame of the investigated stand is still to be considered.

The conservation-polls of this environmental highlight are quite positive as it falls within the state property managed by the Regional Forestry Agency. Moreover, it has been recently proposed to enlarge the nearby Natura 2000 site ITA050001 "Biviere e Macconi di Gela", in order to include this extraordinary example of the priority habitat 2250* "coastal dunes with *Juniperus* spp."

Moreover, as part of a research project on indigenous germplasm of Gela area, funded by ENI (National Hydrocarbons Authority), activities are in progress for *ex situ* breeding and reintroduction in other suitable areas in the SCI.

The population occurs on an area of 11.7 ha, within which some 10 x 20 m plots were randomly chosen to take an inventory of all plants of *Juniperus turbinata*: since the average number of mature individuals turned out to be

8/100 sq. meters, we estimate the consistence of the population in 9,300 adult plants of *Juniperus turbinata*. In view of some more isolated individuals scattered in neighbouring plant communities, we consider that the overall population of Acate exceeds 10,000 individuals, i.e. the largest among those so far known for Quaternary sand deposits of Sicily. On the same plots, we studied the distribution age of the individuals, based on the size (height / width ratio foliage) and classes of viability using the method proposed by El-Bana et al. (2010).

Research granted by ENI S.p.A.