

## PROGRAMME

### Sunday, July 24<sup>th</sup> 2005

17:30 – 20:00 **Lagoa Branca Auditorium**  
Registration

### Monday, July 25<sup>th</sup> 2005

9:00 **Lagoa Branca Auditorium**  
Registration

9:45 **Opening Session**

10:30 – 11:30 **Opening Lecture**

Eduardo Dias – *Azores Islands as Marginal Landscapes*

11:30 – 12:00 Coffee break

12:00 – 13:00 **Session 1: BIODIVERSITY HOTSPOT AREAS**

**Session organizers:** Salvador Rivaz-Martínez & J.C. Costa

KUTNAR L.\*, M. URBANÈÈ, M. ÈATER, U. VILHAR & P. SIMONÈÈ - Influence of Ecological Conditions and Forest Structure on Species Diversity of (Fir)-beech Forests in a Dinaric Region, Slovenia.

SCHMIEDEL U.\*, & A. PETERSEN - Spatial Small-scale Diversity of Soil and Vegetation Patterns in the Knersvlakte (Succulent Karoo / South Africa)

SÉRGIO C.\*, R. FIGUEIRA, R. MENEZES, A.J. SOUSA & D. DRAPER - Modelling Bryophyte Distribution in Portugal from Ecological Data, as Indicators of Potential Biodiversity

13:00 – 14:30 Lunch (Pateira Restaurant)

14:30-15:00 **Conference**

Daniel Sanchez Mata – *Ultramafic Habitats Over the World: an Extreme Marginal Landscape Complex*

15:00- 16:40

**Session 2: LONG-TERM DATA SETS: FROM DESCRIPTIVE TO PREDICTIVE DATA USING ECOINFORMATICS**

**Session organizer:** Renée M. Bekker

Chairman: Eddy Van der Maarel

OZINGA W.A.\*, J.H.J. SCHAMINÉE, R.M. BEKKER & J.M. VAN GROENENDAEL - Assessing the Relative Importance of Dispersal in Plant Communities

KNEVEL I.C.\*, D. KUNZMANN, M. STADLER & M. KWAK - Explaining Rarity of Plant Species from Plant Traits Using Data Mining

WILDI O. - Testing Predictability in Long-term Successional Time Series

SZWAGRZYK J.\*, A. GAZDA & M. FRĄCZEK - Species Diversity and Ecosystem Functioning in Natural Temperate Forests; what Can we Learn from Long-term Data Sets?

RICHARDS J.\*, O. PHILLIPS, J. LLOYD, T. BAKER & S. LEWIS - Long Term Monitoring of Forest Structure and Dynamics

WUNDER J.\*, C. BIGLER, B. REINEKING, L. FAHSE & H. BUGMANN - Optimisation of Tree Mortality in Forest Gap Models by Analysing Long-term Data

16:40 – 17:00

Coffee break

17:00 – 19:00

**Session 2:** (cont.)

- WOODS K.D. - Ecological Insights and Analytical Challenges: Processing and Visualizing Multiple Measurements from Permanent Plots  
WARD D. - Epitaph for a Straw Man – the Roles of Biotic and Abiotic Factors in Long-term Studies of Desert Vegetation  
WANG G.\* & J. NI - Plant Traits and Environmental Conditions Along the Northeast China Transect  
BOLAND J. & R. SINCLAIR - Determination of Age-size and Stage-size Relationships for Australian Native Plants  
LE DUC M.\*, L. YANG & R. MARRS - A Database Application for Long-term Ecological Field Experiments  
COUDUN C.\*, J.-C. GEGOUT & C. PIEDALLU - Predicting the Distribution of *Acer campestre* (L.) With Climatic and Nutritional Soil Factors in France

**Tuesday, July 26<sup>th</sup> 2005**

	<b>A3 Auditorium</b>	<b>A2 Auditorium</b>
9:00 - 9:40	<b>Conference</b> John Tenhunen – <i>Critical Influences on Carbon Balances and Production in the Montado Ecosystems of Portugal</i>	<b>Conference</b> Ulrich Deil – <i>Mediterranean Mountains in Transition – from Self-sustaining to Post Industrial land Management</i>
9:40 – 10:40	<b>Session 3:</b> VEGETATION RECOVERING  <b>Session Organizers:</b> Michael Barbour & Teresa Ferreira  NOVO F.G. - Ecological Restoration of Vegetation in Marginal Lands of the Iberian Peninsula: Principles and Applications MARIGNANI M.*, S. MACCHERINI, D. ROCCHINI, A. CHIARUCCI & D. TORRI - Planning the Restoration of Biancane Cultural Landscape in a Nature Reserve SMITS N.A.C., R. BOBBINK* & J.H. WILLEMS* - Restoration of Mat-grass Swards in South Limburg, the Netherlands WUCHERER W. & S.-W. BRECKLE* - Rehabilitation of the Salt Deserts in the Aral Sea Region	<b>Session 4:</b> GLOBAL CHANGE, VEGETATION SHIFTS AND LANDSCAPE PROCESSES  <b>Session Organizers:</b> John Tenhunen & João S. Pereira  DECOCQ G. - Local Versus Global Drivers of Vegetation Changes in an Ancient Forest from 1890 to 2000 KRÖEL-DULAY, G.*, J. GARADNAI, B. LHOTSKY, T. RÉDEI & E. KOVÁCS-LÁNG - Extreme Drought, Grass Regeneration and Shift in Species Dominance in the Pannonian Sand Grassland MOLINA J.A. - Environmental Factors Influencing the Distribution of two Semi-Terrestrial <i>Ranunculus</i> SIZYKH A.P. - Approaches for Determining the Degrees of Digression of Landscape's Zone Contact (Via Vegetation)
10:40 – 11:10	Coffee break	Coffee break

11:10 – 11:45

**Session 3 (cont.)**

JENSEN K. & J. SCHRAUTZER - Effects of Grazing on Diversity in a Marginal River Valley: the Importance of Spatial Scale  
MIYAWAKI A. - Vegetation-Ecological Restoration of Indigenous Vegetation on Marginal Landscapes Under Human Use  
OLIVEIRA G., A. NUNES & O. CORREIA\* - Primary Succession After Quarrying - a Case Study from Serra da Arrábida

**Session 4(cont.)**

VAN DOORN A. & M. BAKKER - Drivers of Landscape Change in a Peripheral Agricultural Area in South East Portugal: an Interdisciplinary Approach  
RIBEIRO N.A., P. SUROVY, A.G. FERREIRA, A.C. OLIVEIRA, J.TENHUNEN, J.S. PEREIRA - The Regeneration of Cork-oak Woodlands (Montado) as a Tool for Landscape Sustainable Management

11:45 - 12:10

**Poster session 1**

VEGETATION RECOVERING

**Poster Organizers:** Michael Barbour & Teresa Ferreira

NUNES A.\*, G. OLIVEIRA & O. CORREIA - Effect of *Pinus halepensis* Thinning on Mediterranean Vegetation Development in a Revegetated Limestone Quarry  
COX E.S., R.H. MARRS, R.J. PAKEMAN & M.G. LE DUC - A Multi-Site Study of Bracken Control and Vegetation Restoration  
NAVARRO F.B.\*, M.Á. RIPOLL, M.N. JIMÉNEZ, E. DE SIMÓN, E. CAÑADAS & F. VALLE - Vegetation Response to Different Soil Preparation Techniques Applied to Forestation in Semi-arid Abandoned Farmland  
KANOUN-BOULÉ M.\*, M. BANDEIRA DE ALBUQUERQUE & H. FREITAS - Trace-Metal Tolerance of *Erica andevalensis*: A Potential for Management of Degraded Mining Soils  
BOKDAM J. - Wilderness Restoration as Conservation Management Tool in Marginal Landscapes  
MEGURO S\*. & A. MIYAWAKI - Growth Dynamics of Reforestations and Tree-Species Characters in Tropical Rain-Forests in Southeast Asia and the Amazon Basin

**Poster Session 2**

BIODIVERSITY HOTSPOT AREAS

**Poster Organizer:** Carlos Aguiar & Blanca Días Garretas

**Poster session 3**

FLORA AND VEGETATION FROM MARGINAL SITES

**Poster Organizers:** Dalila Espírito Santo & Lado Mucina

NAKAMURA Y. - Synchorological Study of Japanese Beech Forests in Comparison with Central Europe  
AGUIRRE J.L.\*, J. DELGADILLO, J. GONZÁLEZ-LAHOZ, M.Á. MACÍAS & M. PEINADO - A Phytosociological Survey of the Chionophilous Communities of Western North America  
DELGADILLO\* J., J.L. AGUIRRE, M.Á. MACÍAS & M. PEINADO - Plant Associations of the El Vizcaíno Biosphere Reserve (Baja California Sur, Mexico)  
COSTA E. - Floristic Analysis of Miombo Vegetation on Huila Plateau, Angola.  
STROHBACH B. & A. PETERSEN - Vegetation - Soil Relationships in the Northern Kalahari of Namibia  
DAHMANI-MEGREROCHE M. - Vegetation Response Analysis to Environmental Constraints in Marginal Areas (in Algeria)  
POPIELA A. - Plant Communities of the *Litoretetea* Class (*Lobelion*, *Hydrocotylo-Baldenion*, *Eleocharition acicularis*) of Mesotrophic Water Bodies in Poland  
CARVALHO L.M.S.\*, R. JARDIM & M.M. SEQUEIRA - Littoral Flora and Vegetation of Santana (Madeira).  
SIM-SIM M., S. FONTINHA, M. STECH, W. FREY, M.G. ESQUÍVEL, F. REGO, A.C. FIGUEIREDO, J.G. BARROSO, L.G. PEDRO, C. LOBO & F. GUTIERRES - Epiphytic Bryophyte Diversity in the Madeiran Laurel Forest: Molecular relationships,

12:10 – 13:00

- ALVES P., J. HONRADO, H. NEPOMUCENO & F. BARRETO CALDAS - Ecology and numerical syntaxonomy of endemic megaforbic vegetation from northwestern Portugal.
- ASENSI A., B. DíEZ-GARRETAS, J. MOLERO, S. RIVAS-MARTÍNEZ & F. VALLE - Vegetation of Cryoromediterranean Belt in Sierra Nevada (Spain)
- BARRETO CALDAS F., J. HONRADO, P. ALVES, C. AGUIAR & S. ORTIZ - Numerical Syntaxonomy of Heathland Vegetation (Class *Calluno-Ulicetea*) in Northern Portugal
- BUELTMANN H. - Marginal landscapes as hot spots of lichen
- GARCIA C., C. SÉRGIO & M. SIM-SIM - Epiphytic bryophytes in *Quercus* Woodlands of Portugal. A National Survey.
- HONRADO J., Â. LOMBA, P. ALVES & F. BARRETO CALDAS - *Koelerio-corynephoretea* Sand-Dune Grassland Vegetation from North-Western Iberia: Statistical Validation of Phytosociological Data.
- MESQUITA S., M. SEQUEIRA, & J. CAPELO - Floristical Biodiversity Hotspots and Nature Conservation Areas in Madeira, Portugal
- RIVAS-MARTÍNEZ S., M.C. DUARTE, J.C. COSTA\*, I. GOMES, S. GOMES & M. LOUSÃ - Bioclimate and Preliminary Phytosociological Studies at Cape Verde Islands
- TORRES J., P. ALVES & J. HONRADO - A GIS-based Modelling Approach to the Identification of Diversity Hotspots Within Natural Reserves
- Phytogeographical and Conservational Approach
- PUERTO, A., D.\* FERRER-CASTÁN, B. FERNÁNDEZ-SANTOS, J.A. GARCÍA-RODRÍGUEZ & C. MARTÍNEZ-RUIZ - Mediterranean Grasslands with *Quercus rotundifolia* Lam.: Variation in Response to Slope Inclination and Precipitation
- RAYA RUIZ J., J.M. MUÑOZ ALVAREZ, A. SÁNCHEZ ALMENDRO, R. PORRAS ALONSO, J. QUIJADA MUÑOZ & J.M. MOREIRA MADUEÑO - Vegetation-Environment Relationships in Pre-Forest Communities in the Sierras de Cardeña (Sierra Morena, Southern Spain)
- SÁNCHEZ ALMENDRO, A., R. PORRAS ALONSO, J.M. MUÑOZ ALVAREZ, J. QUIJADA MUÑOZ & J.M. MOREIRA MADUEÑO - Actual Vegetation in Marginal Landscapes of Sierra Morena (Southern Spain)
- GARCIA NOVO F., P. PICHMANOVA, D. GARCIA SEVILLA, R. FERNANDEZ LO FASO & L. CAROTENUTO - A Model of "Shrub Islands" as an Effective Way to Describe Some Mediterranean Vegetation Types
- GIANCOLA, C., R. GAVILÁN, D. SANCHEZ-MATA & A. STANISCI - *Globularia meridionalis* Communities in Central and Southern Apennines
- PEREIRA M.M.D.\*, J.C. MORAIS, J.M.L. RODILLA & H. ALVES - Contribution to the Study of *Cistus libatonis* L. (Cistaceae) in the Alto Alentejo
- McDONALD A. - A Study of *Apium repens* and its Associated Food Plain Vegetation 1995-2004
- PÓVOA O.\*, L. RODRIGUES, P. MONTEIRO, P. FORTES, T. VASCONCELOS, G. TEIXEIRA & A. MONTEIRO - Micromorphology of trichomes, seed propagation and geographical distribution of *Mentha pulegium* and *M. cervina* in Alentejo
- RODRIGUES L., P. FORTES, T. VASCONCELOS, O. PÓVOA, M. LOUSÃ, G. TEIXEIRA & A. MONTEIRO - Geographical Distribution, Micro-Morphology of Trichomes and Vegetative Propagation of *Thymbra capitata* in Alentejo and Ribatejo-Oeste
- BENITO B., J. CABELLO, M.M. MARTÍNEZ-ORTEGA, C. OYONARTE, H. SCHWARZER & J. PEÑAS\* - Plant Diversity Loss in Arid Ecosystems. The Habitat of *Linaria nigricans* in SW Europe

13:00 – 14:30  
14:30-15:10

Lunch (Students Restaurant)

**Conference**

James Reynolds – *Global Desertification:*

**Conference**

Dieter Mueller Dombois – *Biodiversity Limitations*

*Do Humans Cause Deserts? A New Look at an 'Old' Problem*

*and Landscape Change: a Marginal Site Syndrome in the Hawaiian Islands*

15:10- 16:40

**Session 5:**  
FACTORS AFFECTING ECOSYSTEM PROCESSES

**Session Organizer:** Cecília Sérgio  
Chairman: Joop Schaminée

SERRANO H., C. BRANQUINHO, M.J.PINTO & M.A. MARTINS-LOUÇÃO - Iron and Aluminium Accumulation in Plants of Coastal Hardpans

JÄDERLUND A.\*, & O. ZACKRISSON - Biological Nitrogen Fixation in Moss Mats of Boreal Forest

PIERUCCINI P., R. GATTI & A. CATORCI\* - Soil-Vegetation Relationships in Mountain Grassland Ecosystems (Umbria-Marche Apennine- Central Italy)

SILVA H.\*, J. DIAS, I. CAÇADOR - Sedimentation Processes in two Different Systems: Tagus Estuary and Aveiro Lagoon (Portugal)

RODRÍGUEZ-GONZÁLEZ\* P.M., T. FERREIRA, A. ALBUQUERQUE, D. ESPÍRITO-SANTO, P. RAMIL-REGO - Environmental vs. Spatial Variation in Ibero Atlantic Wetland Woods

**Session 6:**  
INVASIONS IN MARGINAL LANDSCAPES

**Session Organizers:** Helena Freitas & Daniel Sánchez-Mata

ERFMEIER A.\* & H. BRUELHEIDE - Genetic Shift in Response to the New Habitat – a Mechanism of Successful *Rhododendron ponticum* Populations in the British Isles

HASSE T. - Impact of *Campylopus introflexus* Invasion on Acidic Nutrient-poor Sand Grassland.

RAPSON G.L.\*, J.A. COSTALL, R.J. CARTER, Y. SHIMADA & D. ANTHONY - The Endemic tree *Corynocarpus laevigatus* as a Weedy Invader in New Zealand Forest Remnants

VEENEKLAAS R.M. - Invasion of the Native Species *Elytrigia atherica* Along a Succession

SMITH V.R. - Interactive Effects of Invasive Aliens on Vegetation Dynamics and Ecosystem Functioning in an Ultra-Oligotrophic Ecosystem Gradient on a Northern European Salt Marsh

16:40 – 17:00

Coffee break

Coffee break

17:00 – 18:40

**Session 5:** (cont.)

**Session 7:** DIFFERENT ECOLOGICAL APPROACHES AND APPLICATIONS

Chairmen: Francisco B. Caldas & Thilo Hasse

**Session organizer:** Roberto Venanzoni  
Chairman: Valdon Smith

WITTIG B. - Subsidies of Ecological Services in Grasslands of NW Germany – a Preliminary test of an Indicator Species Approach

CAPELO J., S. RIBEIRO, D. ESPIRITO-SANTO - Management of Plant Diversity in Portuguese oak Woodlands

OVERBECK, G.E.\*, S.C., MÜLLER, V. DEPATTA, J. PFADENHAUER, & V.D. PILLAR - Impact of Fire on Diversity and Functional Type Composition in Subtropical Grassland in Southern Brazil

MANTHEY, M.\*, & E.O. BOX - Niche Characteristics in Georgia Piedmont Forests and Relations Between Realized Niches and Total Ranges

BRUELHEIDE H. - Marginality in the Extreme: Establishment Conditions of Vegetation on the Margin of the Taklamakan Desert

COSTA J.C., J. CAPELO, J. HONRADO, C. AGUIAR, T.M. HENRIQUES & M. LOUSÃ - Syntaxonomical Revision of *Osmundo-alnion* Riparian Woodlands in the Iberian Peninsula

KOVÁCS-LÁNG, E.; G. KRÖEL-DULAY, S. BARABÁS, J. GARADNAI, E. KOVÁCS, & B. LHOTSKY - Ecosystem Responses in a Climate Change Experiment in the Pannonian Sand Forest- Steppe

HERMANN, J.-M.\*, J. PFADENHAUER & V.D. PILLAR - Life History Traits of Woody Species in Grasslands of Southern Brazil: A Comparison of Grassland and Forest Species

MATUS G.\* & M. PAPP - Species Strategies in dry Acidic Sandy Grasslands: Studies

SCHOUWENBERG E., P.W. GOEDHART & H.F. VAN DOBBEN - Potential Conservation Values and Probability of Occurrence of Nature Targets

on Dynamics of East Hungarian Stands  
AZCÁRATE F.M & B. PECO - Diszoochory  
and Colonization of Disturbances  
Triggered by Granivore ants (*Messor  
barbarus*)

19:00

**Editorial Board Meeting**

**Wednesday, July 27<sup>th</sup> 2005**

**EXCURSIONS**

- ❑ **A – Cabo Espichel, Sesimbra & Arrábida**  
*Guides:* Jorge Capelo & JC Costa
- ❑ **B – Estuário do Sado**  
*Guides:* Carlos Neto, Eugénia Moreira & Rute Caraça
- ❑ **C - Arrábida & Tróia**  
*Guides:* Otilia Correia & Manuel João Pinto
- ❑ **D – Sintra**  
*Guides:* Pedro Arsénio & Sandra Mesquita
- ❑ **E – Montejunto**  
*Guides:* Dalila Espírito Santo, I. Moreira & Patrícia Rodríguez González

Thursday, July 28th 2005

9:00 – 11:00

**A3 Auditorium**

**Session 8:** EXPERIMENTAL EVIDENCE IN MARGINAL LANDSCAPES & MODELS AND PREDICTIONS OF CHANGE

**Session organizer:** Ulrich Deil

Chairman: Carlos Neto

FINCKH, M.\* & J. OLDELAND - Vegetation Monitoring and Evaluation of Scenarios in Semiarid Steppes of Southern Morocco

OLANO, J.M.\*, D. BARTOLOMÉ & D. SANZ - Age Structure and Height Growth Patterns in a *Juniperus thurifera* Woodland

CALVÃO T.\* & C. ABREU - Monitoring Vegetation Dynamics in Mediterranean Environments Using Satellite Data

CASTRO H.\* & H. FREITAS - Effect of Land Use Changes on Species Richness and Plant Functional Traits

AGUIAR F.\*, M.T. FERREIRA, P. RODRÍGUEZ-GONZÁLEZ, A. ALBUQUERQUE, C. SÉRGIO & J.M. SANTOS - River Vegetation Tales from Western Iberia

**A2 Auditorium**

**Session 9:** FLORA AND VEGETATION FROM MARGINAL SITES

**Session organizer:** Lado Mucina

Chairman: Jorge Capelo

ABDOULAYE D. & K. FUJIWARA - Vegetation Structure, Diversity and Site Conditions in the Diambour Forest Reserve, Eastern Senegal (West Africa)

CATARINO, L.\*, E.S. MARTINS & I. MOREIRA, - Structure and Composition of the Herbaceous and Shrubby Steppes on Lateritic Cuirasses in SE Guinea-Bissau

EL-SHEIKH M.A., G.A. ABBADI, H. AL-GASSAR & S. PIGNATTI - Integration of Remote Sensing and Phytosociology in Arid Habitats: A Vegetation Map of Failaka Island, Kuwait

ČARNI A., P. KOŠIR, M. JARNJAK, A. MARINŠEK, U. ŠILC & I. ZELNIK - Process of Changes in Structure, Floristic Composition and Chemical Soil Properties in Succession Trajectory of Birch Forests in Slovenia

ÁLVAREZ CANSINO, L.\*, M. ZUNZUNEGUI GONZÁLEZ & M.C. DÍAZ BARRADAS - Family *Empetraceae*, an Ecophysiological Approach to Dioecious Plants

11:00 – 11:30

Coffee break

11:30 – 13:00

**Session 8** (cont.)

**Session organizer:** Ulrich Deil

Chairman: Carlos Neto

DÍAZ BARRADAS, M.C., M. ZUNZUNEGUI, L. ALVAREZ CANSINO, P. ESQUIVIAS, & F. GARCÍA NOVO - Water Responses of the Mediterranean Vegetation in Doñana National Park (SW Spain)

BONINI I., F. CASINI & A. \*CHIARUCCI - Factors Affecting Community Structure and Composition in a Geothermal Field

WIEGER W. \*, P. GOEDHART, H. VAN DOBBEN & F. BERENDSE - The Response of Plant Species to Soil pH: Replacing Expert Judgement by Measured Responses

LEYER I. - Plant Dispersal Strategies Along a River-Floodplain Connectivity Gradient – an Experimental Investigation

Coffee break

**Session 9:** (cont.)

Chairmen: Helga Bultmann & Mário Lousã

GREULICH S.\* & S. BOUCHÉ-PILLON - Growth and Reproduction Strategies of Plants in Fluvial Sand and Gravel Habitats During Low-Water Periods

VENANZONI R\*, D. GIGANTE & F. MANELI - Nutrient-poor Ecosystems of the Mediterranean Temporary Ponds: an Overview in Central Italy

JANKJU-BORZELABAD M.\* & M. TAVAKOLI - Response of Arid-Land Plants to Simulated Changes in Rainfall Frequency and Intensity

LENDÍNEZ M.L., F.M. MARCHAL, J. QUESADA & C. SALAZAR\* - Study and Evaluation of Continental Halophilous Vegetation in Southern Iberian Peninsula (Andalusia, Spain)

WOJTERSKA M. - Response of Marginal Landscapes on Human Impact in Central Poland

FIGUEIREDO A.A. - Abandonment, Succession and Land-Use Options on Marginal Landscapes: the Chaves Depression Context

13:00 – 14:30  
14:30 – 15:00

Lunch (Students Restaurant)

**Poster session 6: FACTORS AFFECTING ECOSYSTEM PROCESSES**

**Poster organizers:** Edit Kovacs-Lang & Ilídio Moreira

VICENTE, J., J. HONRADO\* & F. BARRETO CALDAS - Is Landscape Structure a Good Surrogate for Patterns in Species Richness?

AGOSTINELLI E. & J.A. MOLINA - Distribution Patterns in Salt-Marsh Vegetation Along an Altitudinal Mediterranean Gradient

CAÑADAS E., F.B. NAVARRO, M.N. JIMÉNEZ, E. FERNÁNDEZ-ONDOÑO & F. VALLE - Plant-Soil Interactions in Semi-Arid Old Fields of South-eastern Spain

KADI-HANIFI H. - Effect Aridity on the Biological Type and on Soils Fertility in the Step of Algeria

CATORCI A.\*, A. ACOSTA, M. CUTINI, R. GATTI, B. PAURA & P. PIERUCCINI - Ecological Characterization and Land Use of the Herbaceous Communities in Central Apennine (Central Italy)

HESPANHOL H.\*, P. ALVES, C. VIEIRA, J. HONRADO, Á. LOMBA, J. MARQUES, A. SÉNECA & F. BARRETO CALDAS - Ecology of Limestone Outcrops in the Northwest of Portugal: Does Isolation Reflect on Plant Diversity?

ZUNZUNEGUI M., M.C. DÍAZ BARRADAS, L. ALVAREZ & F. GARCÍA NOVO - Amino Acid Composition as Response to Environmental Conditions: Comparison Between Male and Female Plants in *Empetraceae* Family

PALOMO\* L., F. XAVIER NIELL, B. DÍEZ-GARRETAS & A. ASENSI - Biomass Dynamic of *Sarcocornia perennis* subsp. *alpini* in the Salt Marsh of the Palmones River (Southern Spain)

PECO, B., L. MERINO. & M. ALVIR - Survival and Germination of Grassland Species After Simulated Sheep Ingestion

SOUSA F. & J. HONRADO - Abiotic Ecological Factors and the Hierarchical Distribution of Plant Diversity: Evidence from Northern Portugal

**Poster session 5: EXPERIMENTAL EVIDENCE IN MARGINAL LANDSCAPES**

**Poster organizers:** Ana Monteiro & Ulrich Deil

ALCÁNTARA MANZANARES, J., J.M. MUÑOZ ÁLVAREZ, J. QUIJADA MUÑOZ & J.M. MOREIRA MADUEÑO - Classification of Marginal Landscapes by Cluster Analysis

BACARO G.\*, M. MARIGNANI, D. ROCCHINI, S. MACCHERINI & A. CHIARUCCI - Estimating Species Richness in Tuscan Forests Using Generalized Linear Models

PÉREZ-BADIA R.\*, J. SÁNCHEZ-CAMACHO & F. FERNÁNDEZ-GONZÁLEZ - Traditional Sheep Grazing and Plant Diversity Relationships in a Mediterranean Agricultural Landscape of La Mancha (Spain)

SILVA M.\*, D. MENEZES, E. MENEZES DE SEQUEIRA & M. MENEZES DE SEQUEIRA - Vascular Plant Communities on Freira *Pterodroma Madeira* (Mathews, 1934) Breeding Area (Oriental Mountains of Madeira) – Results on Their Recovery After 4 Years Without Grazing

PINTO-CRUZ C., M.P. SIMÕES, L. GAZARINI & M.D. ESPÍRITO-SANTO - Effects of Anthropogenic Disturbance on *Cistus salviifolius* Communities

PÉREZ M.C. - Indexes for Shrub Conservation Assessment. a Case Study from the Cádiz Province (Spain)



15:00-16:30

**Poster session 4: INVASIONS IN MARGINAL LANDSCAPES**

**Poster Organizers:** Jill Rapson & Miguel Sequeira

- ACOSTA A. \*, M.L. CARRANZA. G., CIASCETTI, A. FRATTAROLI, C.F. IZZI, G. PIRONE & A. STANISCI - Alien Versus Native Species on Coastal Dunes in Central Italy. Plant Distribution and Traits
- FERREIRA J.\* & M.A. MARTINS-LOUÇÃO - How Invasive Species Affect Soil Biotic and Abiotic Factors
- ALMEIDA J.D. & H. FREITAS - Exotic Flora of Continental Portugal - A reassessment
- CAMPOS J.A. & M. HERRERA\* - The Invasion by *Cortaderia selloana* in the Basque Country. Patterns and Prediction
- GALLEGO-FERNÁNDEZ J.B.\*, S. MUÑOZ-VALLÉS & M.C. DELLAFIORE - Invasion Pattern of Native Shrub *Retama monosperma* on Coastal Sand Dune
- HENRIQUES A.S., J. MONJARDINO, P. FORTES, D. ESPÍRITO SANTO, T. VASCONCELOS, & A. MONTEIRO\* - Invasive *Solanaceae* in a Botanic Garden: *Salpichroa Origanifolia* and *Nicotiana glauca*
- RODRIGUEZ L.Z.\*, O. CORREIA, & M.C. DIAZ BARRADAS - Cold Effects of Photoinhibition in *Acacia retinodes*
- SANTOS C., H. MARCHANTE & H. FREITAS\* - Seed Bank Composition in a Dune Ecosystem Invaded by *Acacia longifolia*.
- SEBERT E., F. PACCAUT, O. CHABRERIE, O. GOUBET & G. DECOCQ\* - Modelling the American Blackcherry Invasion at two Spatial Scales in a Forest Landscape
- CHABRERIE O., O. GOUBET & G. DECOCQ\* - Patterns of American Blackcherry (*Prunus serotina* Ehrh.) Invasions at the Landscape and Community Scales in a European Temperate Forest

**Poster session 7: DIFFERENT ECOLOGICAL APROACHES AND APPLICATIONS**

**Poster Organizer:** M. Cruz Díaz Barradas & Gerhard Overbeck

- GÉGOUT J.-C. \*, C. COUDUN, G. BAILLY & B. JABIOL - Ecoplant : a Database to Investigate Floristic, Climatic and Soil Information from Forest Plants.
- AGUIAR, C., J. CAPELO & J.C. COSTA - 92/43/CEE Directive Natural and Semi-Natural Habitats in Continental Portugal
- MONTILLA R., F.M. MARCHAL, E. CANO & J.A. TORRES - Cartography and Evaluation of the Vegetation of Las Villas Ranges (Andalusia, Spain)
- CAPELO, J., S. MESQUITA & P. ARSÉNIO - Vegetation-Succession Patterns at the Landscape Level in the Lisbon Area: A Synphytosociological Model and Typology of the Natural Potential Vegetation
- NETO, C., J. CAPELO & J.C. COSTA - The *Adiantetea* Class on the SW Cliffs of Portugal
- LÓPEZ SÁEZ, J.A.\*, L. LÓPEZ MERINO, D. SÁNCHEZ-MATA & M.P. RODRÍGUEZ-ROJO - *Pinus pinaster* Aiton s.l. in Iberian Central Ranges: a Palaeo-Palynological Approach and Relationships With Phytosociological Classification
- QUESADA J.\*, M.L. LENDÍNEZ, F. VALLE & C. SALAZAR - Analysis of Hygrophilous Vegetation Geoserries and Micro-Geoserries of Guadalquivir Basin (Southern Spain) Using Multivariate Techniques
- MUÑOZ LINARES G., E. CAÑADAS, J. LORITE & F. VALLE - Fitosociology Applied to Riverside Management
- ARMELIN R.S.\* & W. MANTOVANI - The Impacts of Environmental Stochasticity on Two Tree Species Populations in South-eastern Brazil
- KOLB A., F. BARSCH & M. DIEKMANN\* - Local Abundance and Range Size of Forest Herbs: Effects of Niche Parameters and Life-History Traits
- JIMÉNEZ-ALFARO B.\*, Á. BUENO & J.A. FERNÁNDEZ PRIETO - Ecological Characterization of Rich fen and Spring Communities in Cantabrian Mountains Range
- KAMMERMEIER S.\*, U. LUGINBÜHL & H. BRUELHEIDE - Experimental Testing for Fundamental Niche in four Woodland Grass Species After Windthrow
- FIDELIS A.\*, G. OVERBECK, V.D. PILLAR & J. PFADENHAUER - The Role of a Rosette Plant

as a Nurse Plant in Grasslands in Southern Brazil

QUINTANA-ASCENCIO, P.F.\*, R.W. DOLAN, E.S. MENGES & K. AALTONEN - Effects of Fire on Spatial Pattern of Genetic Variation in *Hypericum cumulicola*

MORAIS M., H. NOVAIS, S. NUNES, A. RODRIGUES, L. CASTRO, S.F.P. ALMEIDA, S.C. CRAVEIRO & F. BARRETO CALDAS - Validation of Portuguese Water Framework Directive River Typology Based on Diatoms

PRASAD M.N.V. - Biodiesel Crops for Wasteland Development in Rainshadow Areas: Achievements and Constraints

16:30

Coffee

18:30

**IAVS Meeting (Lagoa Branca Auditorium)**

20:30

**Symposium Dinner (Palácio de Exposições)**

### Friday, 29<sup>th</sup> July 2005

**Lagoa Branca Auditorium**

9:00 9:40

**Conference**

Ladislav Mucina & Peter H. Linder– *Fynbos: Evolutionary Community Ecology of the Richest Nutrient Poor Biome*

9:40 – 11:00

**Session 10: BIODIVERSITY AND CONSERVATION IN MARGINAL LANDSCAPES**

**Session organizer:** Elgene Box

Chairman: Hylary Thomas

DUARTE M.C. & T. FERREIRA\* - Species Traits and Community Characteristics from Central and Southern Iberian River Ecosystems

WELLSTEIN C.\*, R. WALDHARDT & A. OTTE - Management Practices and Phytodiversity of Mesic Grasslands in a Marginal Region

CULMSEE H. - Vegetation and Pastoral Use in the Western High Atlas Mountains (SW Morocco). An Assessment of Sustainability from the Geobotanical Perspective

FUJIWARA K., N. IIDA & E. KUBOYAMA - What Changed at Shinto Shrine Forests in Urban and Suburban Areas Over the 20 Years? -The Marginal Effects in Fragmented natural forests

ISERMANN M. & M. DIEKMANN - Encroachment of *Hippophae rhamnoides* Scrub and Species Richness in Coastal Dunes

11:00 – 11:30

Coffee break

11:30 – 12:50

**Session 10:** (cont.)

Chairmen: Kazue Fujiwara & João Honrado

SCHAMINÉE J.H.J. \*, W.A. OZINGA & N.A.C. SMITS - Target Species – a Database-Driven Selection of Plant and Animal Species of European Concern

SIM-SIM M., S. FONTINHA, R. FIGUEIRA, C. LOBO, F. GUTIERRES & M.G. ESQUÍVEL - Bryophyte Diversity in the Slope Communities of the Madeiran Laurisilva: Bioindication and Conservation Approach

VETAAS O.R.\*, K.B. SHRESTHA & M.P. PANTHI - Is Gamma Diversity Able to Predict Variation in Alpha Diversity Along an Elevation Range?

JURASINSKI G. - Spatial Pattern of Beta-Diversity and Disturbance in North-eastern Morocco

12:50– 14:30

Lunch (Pateira Restaurant)

14:30 - 15:10

**Conference**

Michael Barbour – *Resistance and Resilience of Vernal Pool Vegetation*

15:10 – 16:30

**Poster Session 8: BIODIVERSITY AND CONSERVATION IN MARGINAL LANDSCAPES**

**Poster Organizers:** Helge Bruelheide & Javier Loidi

BELONOVSKAYA E.\* & K. KOROTKOV - Great Caucasus Alpine Belt Shape and Dimensions - the Digital Cartographic Approach

KOROTKOV K.\* & E. ELONOVSKAYA - Alpine-belt Communities on Talus Slopes in the Greater Caucasus

LOIDI J.\*, I. BIURRUN, J.A. CAMPOS, M. HERRERA & I. GARCÍA-MIJANGOS - A Survey on Atlantic Heathland Vegetation: a Floristic-Biogeographic Approach

REDONDO GARCÍA M. M.\*, C. FERRERAS CHASCO & I. GONZÁLEZ BASELGA – Vegetation and Flora of the Natural Reserve of Puebla de Beleña Ponds (Guadalajara, Spain)

CAMPETELLA G.\*, R. CANULLO, L. MUCINA & H. MELINDA - Structure of Clonal Growth Modes in the Secondary Grasslands of Central Apennine

PAIVA-FERREIRA, R., C. MEIRELES, R. NEIVA & C. PINTO-GOMES - Management and Conservation of *Nardus stricta* L. formations in "Serra da Estrela" (NE Portugal)

SALAZAR C.\*, J. QUESADA, M. MELENDO & F. VALLE - Characterization, Structure and Distribution of the Hygrophilous Vegetation in the Guadalquivir River Basin (Southern Spain)

SÉRGIO C.\*, T. FERREIRA & I. SILVA - Characterization of Aquatic Bryophytes in Portuguese Streams: Ecological Affinities to Water Quality and Disturbance

CHERIFI T., M. DAHMANI-MEGROURECHE & A. MOALI - Biodiversity in the Tamentit Oases (Central Sahara - Algeria)

CORRÉA DIAS A.T.\*, G. GANADE, H.L.T. ZALUAR & F.R. SCARANO - Species Richness and Composition Affecting Regeneration Process in a Brazilian sandy Coastal Plain

JOHN DE BRITTO A. & S. BEULA JERLIN - Role of Vegetation for Attraction of Migratory Birds in Koonthankulam bird Sanctuary in Tamilnadu in India

JOHN DE BRITTO A. - Sea Water Intrusion in Nambiyar River Basin in Tamilnadu in India

DIOGO A.L.\*, L. LUÍS, P. CARVALHO & M. SIM-SIM - Cryptogamic Biodiversity in *Quercus* Communities: A Contribution to the Management of Monfurado's Place

HOVI, A. - Succession and Diversity of *Botrychium* spp. on an Abandoned Ski Slope

ZIELIŃSKA K. \* - The Influence of Roads on the Species Diversity of the Vascular Flora of the Forests in Central Poland

LOMBA Â.\*, J. TORRES, I. ROCHA, J. HONRADO & F. BARRETO CALDAS - Landscape Ecology and Nature Conservation: Patterns of Habitat Richness in Highly Urbanized Areas

PEREIRA M.M.D. & P.R.C. LOPES - Phytocenotic and Anthropic Evaluation of "Sitio de Monfurado" Shores

PINTO B.R.L. - Oeiras Botanical and Landscape Heritage Conservation Strategy

16:30 – 17:00

Coffee break

17:00 -18:00

**Closing Conference**

Carlos Aguiar, Jorge Capelo, Miguel Sequeira, João Honrado & Sandra Mesquita – *Floristical and Phytoenotical Diversity at the Climactical Dominion*

18:00

**IAVS Closing**