

PROGRAM OF THE SYMPOSIUM

Sessions A-1 to A-8 - Main conference room (A)

Monday 9.6.2003

9.00-9.20 – Opening

9.20-10.00 – Keynote - Deil Ulrich - Habitats and vegetation types of ephemeral wetlands - a global view

A –1. Ephemeral vegetation of wet habitats

Chair: Deil U. - Rodwell J.

10.00 - 11.20 – lectures

Porembski Stefan - A threatened paradise of rare plants: ephemeral flush vegetation on tropical inselbergs

Molina José Antonio - Temporary pool plant-communities diversity in Mediterranean Spain

Popiela Agnieszka - Selected communities of the Isoeto-Nanojuncetea class on the eastern border of their range (Poland)

Pignatti E. & S. - Ephemeral wetland vegetation in W.Australia

----- 11.20 - 11.40 - coffee break -----

11.40 - 13.00 - lectures

Rudner Michael - Dwarf rush vegetation on the South West of the Iberian Peninsula - intraannual and interannual variations

Espírito-Santo Maria Dalila, Arsênio P. –Seasonal ponds vegetation in the Guadiana Valley (South Iberian Peninsula)

Bell Dorothy - Establishment of Eleocharis seedlings in ephemeral lakes: impacts of water level fluctuations on zonation and coexistence

Šumberová Kateřina - Vegetation dynamics on exposed pond bottoms

Lunch – 13.00 – 14.40

14.40 - 15.40 – lectures

A-2. Conservation of wet ecosystems

Chair: Gigon A. – Papastergiadou E.

Gigon, A. - Fen rotational fallows for maintaining diversity of plants (and arthropod) in wetlands

Pietsch W. – Function and distribution of Littorelletea species in water bodies of the Lusatian lignite mining area (East Germany)

Samson Roel – Quantitative analysis of the contribution of the vegetation to the evapotranspiration in dune slacks

Toivonen Heikki - Regional diversity of aquatic macrophytes in Finnish lakes'

----- 16.00 – 16.20 - coffee break -----

16.20 – 16.40 – lectures

Garcia Novo F. – From marsh to dune. A case of interrupted successional series on the vegetation of Rio Piedras estuary (Gulf of Cadiz, Spain)

Bischoff A. - Succession and recolonisation of alluvial river valley grasslands following conversion to extensive management

----- 16.40 – 17.20 – Poster session I -----

Evening

20.00 – 22.00 – Council meeting of the IAVS

(agenda will be sent to Committee Members in advance)

Tuesday 10.6.2003

9.00-10.00 –Keynote - Peet Robert K. - Information models for managing plot records and multiple

A–3. Databases and information systems for vegetation science I

Chair: Peet R. K. – Korotkov K.

10.00 - 11.20 - lectures

Schaminée J., Hennekens S. – Biological Information Systems, a new tool in vegetation science

Ozinga, W., Bekker, R., Schaminée, J. & Van Groenendael, J. - Dispersal assembly rules in Dutch plant communities?

Tichy L. - JUICE - software for vegetation classification

----- 11.20 - 11.40 - coffee break -----

Chair: Peet R. K. – Poli Marchese E.

11.40 - 13.00 - lectures

Chytry M. - General strategy for extracting vegetation classification from large phytosociological databases

Kuzelova Ilona, Tichy L. - The influence of data stratification on vegetation classification

Kuehn I. - BIOFLOR – a database on biological and ecological traits of vascular plants in Germany: applications with vegetation and distribution data

Schmidtlein Sebastian - Analysing spectra of indicator plants across landscapes

Lunch - 13.00 – 14.40

14.40 - 15.40 – lectures

A-4. Databases and information systems for vegetation science II

Chair: Van der Maarel E. - Schaminée J.

MacKenzie Will - A relational database program for the management of large vegetation—
environment data sets for biogeoclimatic ecosystem classification

Munoz Alvarez - Quijada Javier et al. - An information system for vegetation management

Wiser S. – New Zealand's National Vegetation Survey Databank: improving access and
interoperability

Rogova Tatiana - Ecological and chorological phytodiversity ordination

----- 16.00 – 16.20 - coffee break -----

16.20 – 17.20 – lectures

Korotkov Konstantin – Caucasian alpine communities: some challenges of the higher ranks'
syntaxonomy

Bohn U. - The Map of Natural Vegetation of Europe and possibilities of its application

Karrer Gerhardt et al. - Problems of syntaxonomic classification of nutrient rich grassland after
intensified utilisation - do we need a red book for old concepts?

Seliskar Andrej - FloVegSi – relation database for managing vegetation and related data

Tichy L. - Similarity indices as an extension of vegetation classification

Evening

20.00 – 22.00 – Working groups, Regional Sections, Opulus Press, SynBioSys –
Steering Committee

Wednesday 11.6.2003

Mid-Symposium excursions

Thursday 12.6.2003

9.00-10.00 – Keynote - Dixon K., Grigg A. and Lambers H. – Living on the edge. Water balance
in the plants of the western deserts of Australia

A-5. Water balance of desert plants and desertification processes

Chair: Dixon K. – Karrer G.

10.00 - 11.20 - lectures

Jandt, Ute et al. - The natural shelter vegetation around a river oasis in the Taklamakan Desert: vegetation types and water relations

Cotrufo M. Francesca et al. The MIND project: an unprecedented collaborative, multinational and interdisciplinary effort to elucidate the responses of Mediterranean terrestrial ecosystems to increasing drought

Kröel-Dulay György - The response of dominant species to disturbances in the Pannonian sand grassland

Miller Ben - The ephemeral flora of desert plant communities in Kirthar National Park, Pakistan

----- 11.20 - 11.40 - coffee break -----

11.40 - 13.00 - lectures

A-6. Water conditions of the substrate and vegetation mapping

Chair: Decocq G. M. – Mucina L.

Water conditions of the substrate and vegetation mapping

Pedrotti F. – vegetation mapping in wetlands

Mucina L. – VegMap: the new vegetation map of South Africa, Lesotho and Swaziland

Janssen John - Comparison of sequential vegetation maps for monitoring in coastal wetlands

Loidi Javier - Vegetation mapping of the riverine SCI (Sites of Community Importance) of Navarre (Spain)

Lunch - 13.00 – 14.40

14.40 - 15.40 – lectures

A-7. Biodiversity of Wetlands

Chair: Diekmann M. – Dimopoulos P.

Babij Valerija, Seliskar Andrej, Vres Brane – Biodiversity of flora and vegetation of standing waters in Slovenia

Mason Morgan et al.- Functional diversity: the next step in the diversity - ecosystem function debate?

Bruelheide, Helge; Feuge, Rebekka & Burkart, Michael - The response of experimental floodplain meadows to groundwater regime, amount of precipitation and cutting date

Hoelzel Norbert - Seed banks in flood-meadows and their significance in biodiversity restoration

----- 16.00 – 16.20 - coffee break -----

16.20 – 17.00 – lectures

Attorre F., De Sanctis M., Francesconi F., Bruno F.- Multifunctional GIS system for managing the wetlands of the Puglia region (South Italy)

Chiarucci A., Rocchini D., Casini F., Angiolini C., De Dominicis V. Loisele S. - A Monitoring of vascular plant diversity by a multiscalar sampling design

Culmsee Heike & Deil U. – Indicators for sustainable land use versus degradation in the semi-arid open woodlands of the Western High Atlas Mountains (Morocco)

Nygaard Bettina - Assembly rules for a wetland microcosm experiment

----- 17.00 – 18.00 – General assembly of the IAVS -----

----- 18.00 – 18.15 – Results of the Student Poster Competition

Evening

20.00 – Symposium dinner in the Orto Botanico

Friday 13.6.2003

9.00-10.00 – Keynote – Dierssen K. - Regeneration and restoration of nemoral peatlands - shortcomings and possibilities

A – 8. Water and vegetation in the tropical and austral zones – a multi-scale approach

Chair: Borhidi A. – Lejoly J.

10.00 - 11.20 - lectures

Miyawaki A. - Meaning of phytosociological species combination at lowland tropical rainforests in Malaysia (Miyawaki&Meguro)

Myster Randall W. – Structuring forces of the Amazon; flooding and gap effects on the Peruvian rainforest

Lejoly J. Mahamane A., Saadou M. – La végétation semi-aquatique dans le Parc W du Niger

Borhidi A. - Structure, composition and principles of classification in the tropical water plant communities

----- 11.20 - 11.40 - coffee break -----

11.40 – 12.20 - lectures

Couteron P. –Multiscale relationship between tree species diversity and soil water regime in a tropical rain forest in French Guiana

Engelbrecht Bett, Tom Kursar, Mel Tyree - Drought and seedling survival in tropical rainforest plants: Linking mechanisms of drought resistance with species distribution

Van Rompaey R., Adou C. – Rare plant species survey and conservation priorities in the southern part of Tai National Parc (Cote d'Ivoire)

Delgadillo J. – The coniferous forests and their relationship with the hydrological basins in Baja California (Mexico)

----- 12.20 – 13.00 - Poster Session II -----

Lunch - 13.00 – 14.40

14.40 - 15.40 – lectures

A-9. Bog Vegetation

Chair: Dierssen K. – Gerdol R.

Kaminska Anna - Comparison of peat bogs plant cover at various degree of synanthropization
Bragazza Luca, Rydin H and Gerdol Renato - Hydrological regime and effects on environmental conditions in a Swedish and an Italian bog
Kotowski W. – Crossing gradients controlling species composition in fens ? Impact of light availability vs. groundwater level
Sottocornola Matteo - Aspects of fertilisation in peatland restoration

----- 16.00 – 16.20 - coffee break -----

A-10. Miscellaneous papers

Chair: Dierssen K. – Gerdol R.

16.20 – 17.00 – lectures
Álvarez Cansino Leonor - Conservation of an atlantic coastal shrub in an area where regeneration is associated to animal vectors: the case of *Corema album*
Lubke Roy A. - Management and alien plant eradication for biodiversity and water increase in the Grahamstown commonage, Eastern Cape, South Africa

----- 17.00 – 17.20 - Closing Session -----

Sessions B-1 to B-11 - Conference room (B)

Monday 9.6.2003

B-1. Water-saving strategies in woody plants and vegetation

Chair: Pott R. - Spada F.

10.00 - 11.20 - lectures

Box E. – Are there rules in plant/vegetation water-balance relationships?
Coker Paddy & Thomas, H. - The influence of microenvironment on the distribution and ecology of epiphytic cryptogam communities in Western Europe
Diaz Barradas Mari Cruz - Correia Otilia - Water economy and photochemical response of *Corema album* over a bioclimatic gradient
Stortelder Anton - Farming for vegetation and water management

----- 11.20 - 11.40 - coffee break -----

11.40 - 13.00 - lectures

Do Frederic - Climatic control of canopy phenology in the dry tropics
Omote J. & Yamagiwa Y. - Plant species richness and soils organic matter in wetlands

B-1a. The Landscape approach in wet environments

Chair: Schwabe Kratochwil A. – Ingegnoli V.

Ingegnoli V., E. Ingegnoli Giglio – Proposal of a new method of vegetation survey useful for its ecological evaluation: the case study of the vegetation of the Venice Lagoon landscape and its salt marches

Finkh M. – Spatial patterns and vegetation dynamics of degraded rangelands in the Draa-Basin, Southern Morocco

Lunch – 13.00 – 14.40

14.40 - 15.40 – lectures

B-2. Plant indicators

Chair: Loidi J. – Canullo R.

Vermeersch S. – Prediction models of vegetation communities perform better when including transition zones

Venanzoni R., Spada F., Casella L. - Floating islands in Central Italy: neoformations or ancient bogs

Canullo Roberto & Campetella Giandiego Multiscale patterns on the understorey vegetation in Bialowieza forest (PL): herb layer and mesophyllous species of *Tilio-Carpinetum* community under different dynamical processes.

Solon J., Degórski M., Roo-Zielinska E. Geographical pattern of herb layer and soil properties in Scots pine (*Pinus sylvestris*) forests in relation to climate differentiation

----- 16.00 – 16.20 - coffee break -----

16.20 – 16.40 – lectures

B-3. Vegetation of wet environments: a synecological approach

Chair: Loidi J. – Chiarucci A.

Germ Mateja – The effect of UV-B radiation on aquatic plants

Hoshino Y. - Colonization of plants on the restored gravel bed reach in the Tama River, central Japan

----- 16.40 – 17.20 – Poster session I -----

Evening

20.00 – 22.00 – Council meeting of the IAVS
(agenda will be sent to Committee Members in advance)

Tuesday 10.6.2003

9.00-10.00 – Key-note - Peet

B-4. Wetland restoration – Re-greening to improve water balance and save water resources

Chair: Fujiwara K. - Garcia Novo F.

10.00 - 11.20 - lectures

Lyubarsky Evgeny Leonidovich – The influence of soil humidity on vegetative-mobile plants
Espigares Tiscar – Weed seed bank management to improve soil water availability in revegetation practices

Seferlis Miltiadis - Wetland classification: a tool for efficient management and conservation
Cobo Carmen - Successional development and spatial variability along gradients of soil and vegetation in a semi-arid, fire-related, chronosequence from SE Spain

----- 11.20 - 11.40 - coffee break -----

11.40 - 13.00 - lectures

B-5. Littoral vegetation and effects of salinity

Chair: Chiatante D. - Bruelheide H.

Chiatante D. - Vegetation and soil stability on steep slopes: the buttressing role of the roots
Biondi E. et al. - Littoral vegetation and salinity gradient along the Salento coast (Italy)
Akhani Hossein - Halophytic vegetation of Iran: patterns along ecological gradients
Jutila H. - Littoral vegetation and effects of salinity in Baltic coastal grasslands

Lunch - 13.00 – 14.40

14.40 - 15.40 – lectures

B-6. Water eutrophication and vegetation

Chair: Dierschke H. - Tomaselli M.

Daniel Hervé – Temporal variations of the macrophytic vegetation in a salmon river (Brittany, France)
Bartoli M., Viaroli P., Naldi M. – Growth and decomposition of *Trapa natans* in an oxbow lake of the Po River Plan
Tomaselli M., Bolpagni R., Bartoli M. & Antoniotti A..M.C - Phytosociology and ecology of pleustonic communities in the Po plain (Northern Italy)
Papastergiadou Eva - Conservation and Management of Wetland Vegetation of Cheimaditida Lake, N. Greece.

----- 16.00 – 16.20 - coffee break -----

16.20 – 17.20 – lectures

Bolpagni R., Tomaselli M., Cuizzi D. – Water, sediment and macrophytes characterization in the Natural Reserve "Paludi del Busatello" (Mantova, Northern Italy)
Poli Marchese Emilia – Xerophilous vegetation at the timberline on Etna volcano (Southern Italy)
Moravec J. – Vegetation Survey of the Czech Republic. Vol. 4 – Riparian willow-poplar woods and swampy alder and willows carrs
Peterseil Johannes - A GIS-based Vegetation Database of the Austrian Alps – an application of JODI

Evening

20.00 – 22.00 – Working groups, Regional Sections, Opulus Press, SynBioSys – Steering Committee

Wednesday 11.6.2003

Mid-Symposium excursions

Thursday 12.6.2003

9.00-10.00 – Key-note - Dixon

B-7. Flooding and drought: ecological impacts and policy implications, what can ecologists contribute

Chair: Ladd Philip - Jutila H.

10.00 - 11.20 - lectures

Decocq Guillaume M. - Impact of two silvicultural systems on the hydrologic cycle evaluated by understory species and guild composition

Bernez I., Albuquerque A., Ferreira M.T. - Macrophyte communities from Mediterranean streams under the influence of river regulation

Ladd Philip et al. - Determining vegetation water requirements on the Swan Coastal Plain, Western Australia - a multi-scale approach (R. Froend, P. Ladd and R. Loomes)

Satta Vincenzo - Dryness and forest vegetation decline in selected areas of North Sardinia

----- 11.20 - 11.40 - coffee break -----

11.40 - 13.00 - lectures

B-8. Root systems and water cycle in vegetation

Chair: Golub V.B. - Bohn U.

Herrmann Martina - The influence of vegetation on groundwater quality in heathland and forest ecosystems

Pott R. - Ecological effects of environmentally compatible groundwater-management in the islands of the North Sea

Golub V. B., T. M. Lysenko D. N. Karpov – Moist and humid salinized meadows of class Scorzonero-Juncetea gerardii Golub et al. 2001 on the territory of the Commonwealth of Independent States and Mongolia.

Koedam Nico - Ecological wood anatomy of the mangrove *Rhizophora mucronata* Lamk.

Lunch - 13.00 – 14.40

14.40 - 15.40 – lectures

B-9. Climate change

Chair: Box E. O. – Cotrufo F.

Cotrufo F. – Dendro-ecology and climate change: a study in a Mediterranean forest

Dullinger Stefan – Modelling climate change driven treeline dynamics in a karstic drinking water

Smits Nina A.C. - Phenology of Dutch grassland species

Capogna, F., Capocchetta, I., Vitale, M., Manes, F - Comparative Ecophysiological Response of burned and unburned Maquis Species under Summer Constraints

----- 16.00 – 16.20 - coffee break -----

16.20 – 17.00 – lectures

B-9a. River valley vegetation for present and future

Chair: Roo-Zielinska E. – Pietsch W.

Schickhoff Udo – Vegetation-environment relationships in riparian ecosystems of arctic Alaska: implications for climate change

Ferrer-Castan - Spatial Variation In The Fern Species Richness Of The Iberian Peninsula

Farris Emanuele - Halophilous vegetation of Northern Sardinia (Italy)

Bornette G. - A conceptual model of plant strategies in fluvial hydrosystems

----- 17.00 – 18.00 – General assembly of the IAVS -----

----- 18.00 – 18.15 – Results of the Student Poster Competition

Evening

20.00 – Symposium dinner in the Orto Botanico

Friday 13.6.2003

9.00-10.00 – Key-note - Dierssen

B-10. Desert vegetation

Chair: Wikus Pignatti E. – Akhani H.

10.00 - 11.20 - lectures

WikusPignatti Erika – Water deficiency and surviving strategies in the Western Australian Deserts
Enright Neal et al. - Desert plant communities and vegetation-environment relationships in Kirthar National Park, Pakistan
Barbier N., O. Lejeune, P. Couteron–Spotted bush: field test of vegetation patterning mechanism.
Al-Sodany Yassin M. – Elevation-vegetation relationship in Al-Jabal Al-Akhdar, Libya

----- 11.20 - 11.40 - coffee break -----

11.40 – 12.20 - lectures

Talbot Stephen - Mountain vegetation of Eastern Attu Island, Aleutian Islands, Alaska
Schmiedel Ute - Impact of heavy grazing and browsing on diversity and species composition in the semi-arid Karoo. Preliminary results from standardised, long-term research sites
Stévant et al.- Distribution of epiphytes in the Reserve of Dja (Cameroon) and its surroundings
Vogiatzakis I.. And Griffiths G. - Vegetation and water relationships in a karstic environment: Lefka Ori, Crete

----- 12.20 – 13.00 - Poster Session II -----

Lunch - 13.00 – 14.40

B-11. Water and vegetation in the temperate and boreal zones – a multi-scale approach

Chair: Chytry M. – Stortelder A.

14.40 - 15.40 – lectures

Diekmann Martin - Species Indicator values as an important tool in applied Plant Ecology
Shimoda Michiko – Emerged shore vegetation of irrigation ponds in western Japan
Fujiwara Kazue - Does moisture decide Fagus versus deciduous Quercus forests?
Georgiadis T., Theocharopoulos M., Dimitrellos G & Chochliouros S. - The Phytosociology, Distribution and Ecology of Cladium mariscus L. (Cyperaceae) Communities in Greece

----- 16.00 – 16.20 - coffee break -----

16.20 – 17.00 – lectures

Codogno M. & Furlanetto A. - Climatic factors and establishment of Quercus ilex community in the Trieste province (NE Italy)
Roo-Zielinska E., - Relationship between climate humidity, soil moisture, composition and structure of vegetation in pine forest in the temperate and boreal zones

----- 17.00 – 17.20 - Closing Session -----

POSTER SESSION

- Aan Anne – Characteristics of light resource use in plants growing along a humidity gradient on coastal grassland. . **B3**
- Abe S. et al. - Estimate maps of hare density and undergrowth sasa dominance as tools for watershed ecosystem evaluation and management . **B2**
- Acosta Alicja T.R., Stanisci A., Carranza M.L., Ercole S., Blasi C. – Sandy coastal landscape of the Lazio region (Central Italy) . **B8**
- Addar Abdelkader, Mediouni K. - Methodology of physiognomic cartography of highlanders ecosystems: case of the massif of "Lalla Khedidja" Djurdjura (Algeria) . **A6**
- Andreucci F. – The halophilous vegetation of Orbetello (Central Italy) . **B8**
- Anselmi, S., Giannini, M., Allegrini, A., Manes, F. - Remotely sensed indices to monitor vegetation water status by landsat data in the Circeo National Park (Italy) **A6**
- Bacchetta G., Curreli F., Pili D., Serra G. - Reorganisation of the reclaimed land of the Colostrai lagoon (SE Sardinia - Italy) - Analysis of "Environmental Qualities" **C1**
- Bacchetta Gianluigi , Orrù M., Serra G.- Geobotanical study of riparian woods and shrubs in the Sulcis area (South-Western Sardinia – Italy) . **C1**
- Barni E., Bouvet D., De Andrea G., Pala S., Siniscalco C. - Vegetation and human impact in the fontanili of the W Po Plain . **C1**
- Battipaglia Giovanna, D'Ambrosio B., Strumia S., Cotrufo FM - Dendro-ecology and climate change: a study in a Mediterranean forest . **B9**
- Bekker, R.M., Knevel, I.C.- Life-history traits of the Northwest European flora: A data-base (LEDA) **A3-4**
- Bernez I., Daniel H., Haury J., Le Coeur D. - Bioindication using macrophyte vegetation along three regulated rivers in Western France . **B2**
- Bertin Luigi, Dellavedova R., Gualmini M., Rossi G., Tomaselli M., – Monitoring of plant diversity in the Northern Apennines (GLORIA project) . **A7**
- Biondi E., Filigheddu R., Farris E., Bagella S., Secchi Z. – Halophilous vegetation of Northern Sardinia (Italy) **C1**
- Biondi E., Casavecchia S., Pinzi M., Allegrezza M., Baldoni M. - Forest vegetation series and soil moisture in the Central-Northern Apennines . **C1**
- Biondi E., Bagella S.- Ephemeral pioneer vegetation of the La Maddalena Archipelago (North Sardinia, Italy) . **C1**
- Blasi C. - The vegetation series map of Italy . **A6**
- Blasi C., Capotorti G., Di Pietyro R., Ercole S., Filesi L., Filibeck G., Fortini P., Rosati L., Smiraglia D. - Map of the main Vegetation Series of Latium Region (1:250,000) . **A6**
- Blasi C., Smiraglia, Acosta, Carranza – Evaluation of a landscape conservation status with actual vs. potential natural vegetation. **B4**
- Blasi C., Michetti L.- Phytoclimatic Map of Italy (1:250,000) . **A6**
- Botta-Dukat Z. Rupprecht E. – Indication of water level changes by the vegetation in a complex of fen associations near Cluj Napoca. **A9**
- Brundu G., Camarda I., Carta L., Manca M. - Invasive alien plants in riparian ecosystems in Sardinia (Italy) . **C1**
- Brunila-Kovanen A. - The role of lichen cover in the frost hardiness of Scots pine (*Pinus sylvestris* L.) roots. **B11**
- Bukovinszky László, Major L. - Effects of Water Reservoirs on Biodiversity of Central Area in North-East Brasil . **A7**
- Burenina T.A.et al. – Water balance in forest ecosystems of Asia Russia **B11**
- Camarda Ignazio - Plants and water in the Central Sahara's desert: behaviour and adaptations in some species of Yaò oasis (N'Gamma, Borkou, Chad). **B10**
- Casas C. & Ninot J.M - Water availability and biomass dynamics relationship in submediterranean pastures . **B4**
- Casavecchia S., Giovannotti M., Caputo V., Biondi E. - Biodiversity in the wetlands of the mountain pastures of Montefeltro (northern Marche, Italy). **C1**
- Catorci A., R. Gatti, M. Raponi, Orsomando E. - evaluation of the Topino river's environmental quality on the basis of its flora (Umbria, central Italy) . **B2**

Cherifi Toufik, Dahmani-Megrerouche Malika, Moali A. - Biodiversity of Tamentit's oasis (Central Sahara, Algeria). B10

Cortini Pedrotti C., Pedrotti F., Russo - The flora and vegetation of springs and waterways of the Gargano Promontory (Southern Italy) C1

Crosti R., Laff P.G., Dixon K.W., - Seedling root growth under drying soil conditions - could it be a discriminating recruitment factor between trees species in a mediterranean-type climate? B3

Csecserits Anikò - Hungarian plant trait database – structure A3-4

Curreli F. - Reorganisation of the reclaimed land of the Colostrai lagoon (SE Sardinia - Italy) - Analysis of "Environmental Qualities" A6

Dahdouh F., van Hiel E., Chan J.C.W., Jayatissa L.P., Koedam Nico - IKONOS satellite imagery versus photography in the identification of mangrove assemblages . A6

Dahmani – Megrerouche Malika – Vegetation Response analysis to environmental constraints in arid areas (Saharian Atlas –Algeria) . B10

Degorski M., Roo-Zielinska, Solon J. – Relationship between climate humidity, soil moisture, composition and structure of vegetation . B11

Degorski M., Roo-Zielinska E., Solon J. - Vegetation response to soil structure and dynamics within a catchment: a Pinczów case study (S Poland) B8

De Lillis M. M. Lauteri, G. A. Alessio, C. Monteverdi, E. Brugnoli - Water source and water-use efficiency in Mediterranean coastal dune vegetation . B8

Dzwonko Z, Gawronski S. – Effect of weather on seedling recruitment in an oak-pine woodland. B3

*Exner Andreas - Floristic patterns of hygrophilous *Abies alba* and *Picea abies* forests in Europe. B11*

Fiala K., Tesarovà M., Holub P., Sedlakova I., Tuma I. - Structure, production, nutrient distribution and soil features of flood-plain meadows of the Dyje river affected by water control measures . B3

Fukushima T. et al. - 10-years changes in plant communities and water conditions in Tambara Moor, Gunma Pref. Japan. A9

Gajzer Bukovinszkyné Gy. - Activity of cellulose decomposition in different soils moisture region of grasslands . B3

Ghermandi L. et al. - Post fire Succession In North-Western Patagonia grasslands: Spatial occupation and water use strategies . A8

*Ghermandi L. et al. - Plant and shoot morphology of *Mullinum spinosum* growing in burned and unburned areas of the Patagonian steppe of Argentine. A8*

Gittins C., Ghermandi Luciana – Post-fire seed output in two grass species from Northwestern Patagonia steppe (Argentina) . A8

Godefroid S., Massant W., Koedam N. – Sensitivity of herbaceous species to soil compaction and soil moisture in a beech forest B3

Gonzalez et al. - Post-fire seed bank in relation to rainfall and temperature in Northwestern Patagonia grassland . A8

Halassy M. et al. - The effect of seed bank composition on the regeneration of sand grassland after drought . B3

Heikkinen O. et al. - Plant communities as indicators of the groundwater level on coastal dunes of Oregon, U.S.A. . B2

Heikkinen R., Toivonen H., Rintanen T. - Do minimum sets of complementary sites for helophytes, hydrophytes and aquatic mosses coincide in boreal lakes? . B11

*Hennenberg K. J., V. Minden, S. Porembski Forest island borders versus pure stands: spatial patterns of the tree *Anogeissus leiocarpus* (Combretaceae) in the Comoé National Park (NE Côte d'Ivoire) . A8*

Hölzel N, Donath T.W., Bissels S. & Otte A. - Restoration of flood-meadows along the northern Upper Rhine. B4

Ihaddaden A., Kadi-Hanifi H. - Relationships of the hydric and physico-chemical variables of the soil with the green oak vegetation in Algeria . B3

Ihaddaden A., Kadi-Hanifi H. - Study of climatic variation influence on the green oak groupings in Algeria B9

Isermann M. – Soil pH variability and species diversity in coastal dunes . A7

*Kadi-Hanifi Achour Halima - Typology and Desertification of the *Stipa tenacissima* L. formations*

In Algeria. **B10**

Kaligarić Mitja - Relation between vegetation cover and hydrological regime in the Dragonja river catchment (Slovenia) . **B11**

Kolb A., Diekmann M. – Forest plant species diversity in a fragmented landscape. **A7**

Komlószy Ildikó Szabóné – Vascular Plant Flora in the Surroundings of the Békésszentandras Dam (Hungary) . **B3**

Kotanska M. et al - Moisture properties of soils and plant communities. **B3**

Kutnar Lado - The plant species diversity along the mire margin as a result of water and soil conditions . **A7**

Lam A. Loomes R., Froend R. - Lake Nowergup: a Case Study of Wetland Vegetation Management on the Swan Coastal Plain, Western Australia. . **B4**

Lambertini C., Brix H., Speranza M.- Morphologic and genetic characterization of the common reed (*Phragmites australis*) populations in the Po Plain. **C1**

Langer J., Dierssen Klaus – Species diversity and hemerobic steps in Western Irish blanket bogs . **A9**

Lazareva V., Bananova V. - Contemporary state of the vegetation of the Russian Caspian shore under transgression . **B8**

Liberman Cruz M., Pedrotti F. - Deforestation and desertification in Camacho river basin (Bolivia) **A8**

Lluent Vallet A., Carrillo E. - Small-scale zonation and boundaries in Pyrenean snow bed communities . **B3**

Loomes, R. and Froend, R. - Determining water requirements of wetland vegetation on the Swan Coastal Plain, Western Australia. **B3**

Marozas Vitas - Edge effect in black alder forest. **B3**

Meguro S. – Miyawaki S. – Some tree species characters in Amazon comparing with tropical rainforest in SE-Asia **A8**

Molina J.A., Torres V. – Phytocoenological diversity and zonation . of a Pyrenean river along an altitudinal gradient **A7**

Olsvig-Whittaker L. – Long term vegetation monitoring in Galilee wetland nature reserves . **B4**

Orthmann B, Porembski S.- Potentialities for natural tree regeneration after selective logging of four tree species in different woodlands and savannas (Benin, West Africa) . **A8**

Pedrotti F. - Vegetation mapping in wet meadows of Inghiaie (Trentino, Central Alps) . **A6**

Pedrotti F. – Deforestation and desertification in Camacho River basin (Bolivia) . **A8**

Pedrotti F. - Vegetation changes in the Laghestel wetland basin (Trentino, Central Alps) from 1976 to 2001 . **A9**

Pedrotti F. – Structure and productivity of the meadows of Viotte on Monte Bondone near Trento (Central Alps – Italy) **A9**

Pedrotti F., Gafta D. – Phytogeographical approach to distinction of vegetation megasequences in the Alps of Trentino-Alto Adige (Italy) **C1**

Perez-Fernandez M.A., Ferrer-Castan D., Calvo-Magro E., David-Antonio C.E. - Drought Tolerance of Species with high Colonising Ability . **B3**

Perez-Haase A., Font X. & Ninot J.M. Biogeographic patterns in Catalan Pyrenean fens . **A9**

Rédei Tamás -The effect of an extreme dry year on the pattern and species composition of the Pannonian sand grassland **B11**

Roo-Zielinska E., Degórski M., Solon J. - Does spatial changeability of plant communities good reflect differentiation of abiotic conditions, specially the moisture of the soils. **B3**

Salamon Albert E. - Spatial specific vegetation patterns and derived habitat maps of a designated CORINE Biotop wetland onm Hungary **A6**

Samson R. - Sap flow through roots, stem and branches of hazel (*Corylus avellana* L.) . **B3**

Schwabe-Kratochwil A. – Biodiversity hot spots in flood plains? The case of restored wetland-dune complexes in Northwestern Germany . **B4**

Shoji Atsushi - Grazing effects on wet environment conservation in the Far Eastern pluvial semi-natural grasslands **B4**

Somodi I. – Botta-Dukát Z. - Determinants of floating island vegetation and succession in a recently flooded shallow lake. **B3**

Spada F., Venanzoni R., - Floating islands in Central Italy: neoformation or ancient bogs? **C1**

Stanisci A. Blasi C., Pelino G., Riggio L. – *The monitoring of high-mountain plant diversity in central Apennines (Italy)* **C1**

Tchebakova Nadejda - *Effects of water supply on vegetation distribution in Central Siberia in a warming climate.* **B9**

Testi A. et al. – *Soil water content as a discriminant factor in forest vegetation. Preliminary results on sub-coastal mixed oak woodlands in central-southern Latium (Central Italy)* **B3**

Tichy L. - *Similarity indices as an extension of vegetation classification* **A3/4**

Trofimova G., Korhunova V. – *Fodder plants of the Amudarya river delta under the varying hydrological conditions* **B8**

Tuma I.: *Impact of water control measures on the decomposition processes in flood-plain meadow ecosystems of the Dyje river.* **B11**

Venanzoni R., et al. – *Biodiversity and conservation status of aquatic and marshy habitat flora and vegetation in Central Italy* **A7**

Vygodskaya N.N., Varlagin A.V. – *Influence of soil moisture on the relationships between ecosystem's evaporation and temperature in the wet spruce forest of southern european taiga.* **B11**

Vygodskaya N.N., Varlagin A.V., Abrazjko V.I.– *Long-term variations of soil moisture and ecosystem's evaporation in the boreal spruce forest in southern european taiga.* **B11**

Vygodskaya N.N., Kurbatova J.A. Varlagin A.V., Abrazhko V. - *Water balance and their effect on the net ecosystem's co2 exchange in the wet spruce forest and the raised bog in the european southern taiga.* **B11**

Wiedemann Aldred M. Heikkinen, Kallio & Kempaala - *Plant communities as indicators of the groundwater level on coastal dunes of Oregon, USA* **C1**

Willner Wolfgang, Karner P., Franz W.R., Grabherr G - *Phytosociological revision of the deciduous wetland forests of Austria (Central Europe).* **B11**

Yoshikawa M., Hoshino Y. & Sakurai K. - *Regularity in the formation of stagnant water pools and vegetation development around the pools in the braided channel river, Central Japan.* **B11**

Zaki Hamzah Capt Mohd - *Vegetation composition of a riparian-lowland dipterocarp forest after harvesting in Negeri Sembilan, Malaysia.* **A8**

Zunzunegui et al. - *Empetrum rubrum: physiological and morphological sexual differences in harsh environment m.* **B3**

Poster Session I Thursday 12.6.2003 – 16.20 – 17.00

A-3/4. Databases and information systems for vegetation science

A-6. Water conditions of the substrate and vegetation mapping

A-7. Biodiversity of Wetlands

A-8. Water and vegetation in the tropical and austral zones – a multi-scale approach

A-9. Bog Vegetation

C-1. Vegetation of wet habitats in Italy and in the Mediterranean zone

Poster Session II Friday – 13.6.2003 - 12.00 – 13.00

B-2. Plant indicators

B-3. Vegetation of wet environments: a synecological approach

B-4. Wetland restoration – Re-greening to improve water balance and save water resources

B-8. Litoral vegetation and effects of salinity

B-9. Climate change

B-10. Desert vegetation

B-11. Water and vegetation in the temperate and boreal zones – a multi-scale approach