



12th MEETING OF THE FAO-CIHEAM SUB-NETWORK ON
MEDITERRANEAN PASTURES AND FODDER CROPS
"Sustainable Mediterranean Grasslands and their Multi-Functions"
Elvas, Portugal, 9-12 April 2008



PRESENTATIONS OF THE MEETING IN PDF

Introductory Conference: "Pastures and fodder crops as part of high natural value farm systems at Mediterranean dry land agro-ecosystems". E. Sequeira (Nature Protection League-Portugal)

Session 1: "Multi-functional role of grassland systems"

Chairperson: C. Batello (FAO-Italy)

Main presentation. "Multi-functional role of grasslands". M. Bugalho (CEABN-Portugal)

Short oral presentations

- "Restoring semi-arid rangelands on a Greek Aegean island". I. Hadjigeorgiu et al. (Agricultural University of Athens-Greece)
- "Rehabilitation of degraded *espinales* in the Mediterranean zone of Chile using annual legumes and multipurpose trees." C. Ovalle et al. (Instituto de Investigaciones Agropecuarias-Chile)
- "The dynamics of soil organic matter accumulation in Portuguese grassland soils". R. Teixeira et al. (IST-Portugal)
- "Browsing in Mediterranean woodlands - Impact on landscape structure and plant community". O. Gabay et al. (Ministry of Agriculture -ARO, The Volcani Center-Israel)
- "Selection of spontaneous genotypes with high pastoral value and for multiuse systems" M. Vargiu et al. (Agris-Italy)

Posters synthesis

Session 2: "The role of perennial grasses in rainfed farming systems"

Chairperson: A. Abdelguerfi (INRA-Algeria)

Main Presentation: "Current and potential roles of perennial grasses in Mediterranean farming systems?". F. Lelièvre (INRA-France)

Short Oral presentations

- "Eco physiological survey of some perennial grass cultivars in the semi-arid region of Sétif". M. Mefti et al. (University of M'Sila-Algeria)
- "Pure stands vs four-species mixtures: agronomic and ecological implications in Mediterranean rainfed conditions". C. Porqueddu et al. (CNR-ISPAAM-Italy)
- "Forage species for long duration artificial mixtures characterised by different complexity". N. Staglianò et al. (University of Florence-Italy)
- "System approach to grazing in a desert ecosystem: a case study in Saudi Arabia". M.M. Mirreh (FAO Regional Office for the Near East-Egypt)
- "Qualitative changes in the fodder obtained from forage legumes and *Lolium multiflorum* in the ecological conditions of Eastern Europe". L. Cojocariu et al. (University of Agricultural Sciences and Veterinary Medicine of Banat from Timisoara-Romania)
- "Determination of yields and agricultural characters of some perennial forage grass in Samsun ecological conditions" Z. Acar et al. (University of Ondokuz Mayıs-Turkey)

Poster synthesis

Mid field trip presentation. The role of biodiverse legume-rich pastures in the sustainable improvement of the multi-functional agro-forestry system Montado/Dehesa/Pascolo Arbolato/Azaghar.
D. Gomes Crespo (Fertiprado Ltd.)

Session 3: "Ecophysiological strategies to overcome water deficit"

Chairperson: F. Volaire (INRA-France)

Main Presentation: "Ecophysiological strategies to overcome water deficit in herbaceous species under Mediterranean conditions". J. Cifre (UIB-Spain)

Short oral presentations

- "Water stress Effects on perennial grasses growth and behaviour". R. Kallida et al. (INRA- Morocco)
- "Water Use Efficiency in mild season and water cost of summer survival of perennial forage grasses in Mediterranean areas". F. Lelièvre et al. (INRA Montpellier, UMR-SYSTEM-France)
- "Behaviour and use of the water of some cultivars of perennial Alfalfa in a semi arid area in Algeria". D. Bellague et al. (Université de CHLEF/INRA-Algeria)
- "A model to simulate tiller dynamics of forage grasses under severe Mediterranean drought". S. Satger et al. (INRA UMR-SYSTEM-France)
- "Modelling growth responses of annual legumes to water shortage". M. Vrahnakis et al. (Technological Educational Institute-Greece)

- "Effect of the interaction between elevated CO₂, temperature and drought during re-growth of nodulated alfalfa plants". G. Erice et al. (Universidad de Navarra-Spain)

Poster synthesis

Session 4: "Selection for sustainable forage crops and pastures"

Chairperson: M. M. Tavares de Sousa (ENMP-Portugal)

Main Presentation: "Domestication of new annual pasture legumes for resilient Mediterranean farming systems". A. Loi (DAFWA-, Australia)

Short oral presentations

- "Effect of seeding rate on yield components and regeneration of a local cultivar's of *Scorpiurus muricatus* L. in semi-arid conditions of Tunisia". A. Zoghalmi Khélil et al. (INRAT-Tunisie)
- "Seed production of *Bituminaria bituminosa*: size, production, retention and germination capacity of the legumes". E. Correal et al. (IMIDA-Spain)
- "Phenological variation within several Algerian populations of Sulla (*Hedysarum coronarium* L., Fabaceae)". R. Issolah et al. (INRAA-Algeria)
- "Ecological studies on coastal sand dunes rangeland on North West of Egypt". M. S. Abbas et al. (Institute of African Research and Studies-Egypt)
- "Characterization of native populations of *Trifolium* spp". R. Tuttobene et al.(Dipart. di Scienze Agronomiche, Agrochimiche e delle Produzioni Animali-Italy)
- "Studies on plant cover in Wadi Umm El-Rakham in the north-western coast of Egypt". M. H. M. El-Morsy et al. (Desert Research Center-Cairo-Egypt)

Poster synthesis

Final Session

Future programme of the FAO-CIHEAM Sub-Network on Mediterranean Forage Resources. C. Porqueddu (FAO/CIHEAMSub-NetworkCoordinator)