

Management strategies for climate change adaptation of mixed subhumid Mediterranean forests in Umbria and Tuscany

23-25 September 2019

Organizers:



In collaboration with:



OBJECTIVE

Put in common and discuss the implementation of close-to-nature silviculture and single-tree oriented silviculture principles in the adaptive management of mixed subhumid Mediterranean forests, with emphasis on:

- advantages and constraints of the practical application of the above mentioned silvicultural practices, including tree marking principles
- impact of the management in the climate change adaptation capacity of mixed forests
- evaluation of the management impact in other forest ecosystem services, particularly, biodiversity conservation and valuable timber production.

The events will be developed in both Italian and Spanish, with a translation service available.

For further information and registration (until 20th September 2019) please contact Pro Silva Italy: mauro@frattegiani.it



Pornello's forests (Umbria). Photos: Mauro Frattegiani



Monday 23 September

Workshop in Palazzo dei Congressi – Sala dei Quattrocento - Orvieto (TR)

15.00-15.30 – Registration

15.30-19.00 – Seminar (10 min presentations):

- Welcome greetings. *Comune di Orvieto.*
- Presentation of the workshop.
Andrea Barbagallo – Federazione dottori Agronomi e dottori Forestali Umbria
- Presentation of Pro Silva Italy activities in mixed forests of Mediterranean area in Italy.
Mauro Frattegiani – Pro Silva Italia
- Forests and silviculture in Umbria Region.
Francesco Grohmann – Regione Umbria
- Forests and silviculture in Tuscany Region.
Elisabetta Gavano – Regione Toscana
- Management strategies in mixed subhumid Mediterranean forests in Umbria and Tuscany. Coppices and high forests.
Paolo Mori – Compagnia delle foreste.
- New management approaches for coppice forests: the SUMMACOP project.
Paola Savini – Regione Umbria
- New management approaches in forests with sporadic tree species: the PPROSPOT project.
Francesco Pelleri – CREA
- Good practices for forest management in Italy: the GOPROFOR project.
Marcello Miozzo – DREAM Italia

Coffee break (17.15 h)

- Presentation of MixForChange Project: management of mixed Subhumid Mediterranean Forests. Silvicultural models and technical prescriptions developed in the Project.
Miriam Piqué and Mario Beltrán, Multifunctional Forest Management Program, CTFC.
- Mixed forests and adaptation to climate change.
Lluís Coll. Lleida University (UdL) and Multifunctional Forest Management Program, CTFC
- Field protocol to assess standing timber quality of oak, ash, maple, cherry and chestnut.
Jaime Coello. Multifunctional Forest Management Program, CTFC

- Practicalities and overall assessment of the field implementation of MixForChange management models in *Pinus*, *Quercus* and *Castanea* mixed forests.
Lidia Guitart, Forest Owners Association of Montnegre i Corredor (APMC); **Jordi Vigué**, Forest Owners Association of Serra de Bellmunt-Collsabra (APFSBE) and **Teresa Baiges and Noemí Palero**, Forest Ownership Center of Catalonia (CPF)
- Managing mixed forests: technical and economical evaluation of the silviculture implemented and lessons learned.
Lidia Guitart and Martí Rosell. Forest Owners Association of Montnegre i Corredor (APMC)

19.15-19.30 – Workshop conclusions

Tuesday 24 September

Visits and discussions at Monte Peglia forests

8:30 - Departure from Orvieto - Piazzale Caen and transfer to Monte Peglia

- PRODO
 - Traditional coppices.
- PORNELLO (SUMMACOP project area)
 - Coppices with groups of standards of different age.
 - Coppices implemented with gaps.

Lunch at Ristorante Bivio del Moro

- Coppices conversion to high forests.
- Localized interventions in coppices in order to enhance timber quality and vitality of sporadic tree species.

17.00 – Conclusion of the Monte Peglia forests visits.

Wednesday 25 September

Visits and discussions in Colline Metallifere forests

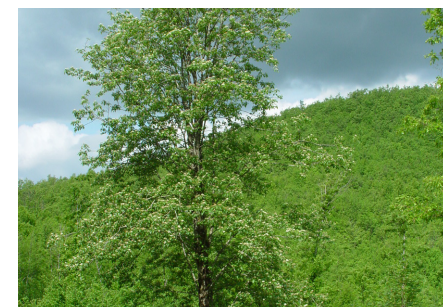
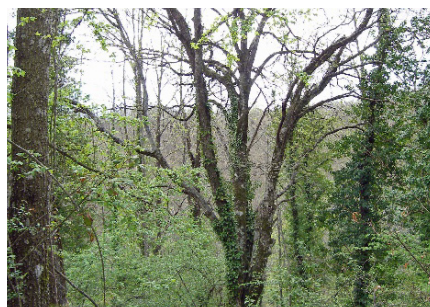
8:30 - Departure from Montieri - Hotel Rifugio Prategiano and transfer to Colline Metallifere.

- “Troscone”
 - *Quercus cerris* forests with the application of single-tree oriented silviculture
 - *Quercus cerris* coppices with sporadic species valorisation.
 - Long rotation Chestnut coppices: stand silviculture vs single tree silviculture
- Demonstrative stand of PPROSPOTT project “Fontalcinaldo”
 - *Quercus cerris* coppices in conversion to high forest.
 - Experimental coppices with different density and methodologies of standard reservation

Lunch in Ristorante “da Motosega”

- Application of MixForChange protocol for the assessment of standing timber quality

17.30 - Conclusion of the Colline Metallifere forests visits.



Collino metallifere's forest (Toscana). Tree single silviculture around *Sorbus torminalis* species. Wild cherry in chestnut coppice (bottom right).
Photos: Francesco Pelleri

www.mixforchange.eu

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