



COST FP0701 Training School

POST-FIRE REHABILITATION

Final Programme

Venue and dates

UIMP – Palacio Pineda, Plaza del Carmen 4. Valencia (Spain)

Dates: 13-16 April 2010

Organizers

COST Action FP0701 Post-fire Forest Management in Southern Europe

(uaeco.biol.uoa.gr/cost/)

CEAM Foundation (www.ceam.es)

PHOENIX Project Center (www.phoenixefi.org/)

EFIMED - European Forest Institute (www.efimed.efi.int)

Course coordinator

Dr. V. Ramon Vallejo, CEAM, Spain

Support: **Ms. Pilar Zamora**, CEAM, Spain

Local host: UIMP, CIEF (Regional Government of Valencia, Regional Ministry of Environment), and CEAM.

Background and objectives of the training school

Forest fires may contribute to land degradation and desertification in the Mediterranean. Sound and timely post-fire management is required to minimise post-fire damages in human beings, structures, and ecosystems. In recent years, post-fire management strategies and techniques have achieved important advances on the basis of various European Commission research and innovative demonstration projects, and on national/regional initiatives. Cost Action FP0701 on “Post-fire forest management in Southern Europe” is also contributing to gathering and evaluating successful post-fire management actions in Europe. Planning post-fire rehabilitation should be based in the diagnostic of fire impacts. Rehabilitation strategies and techniques should be effective in preventing onsite and offsite impacts, and recovering burned forests. The general aim of the school is presenting the most updated theoretical and practical knowledge for forest managers and scientists to address post-fire rehabilitation at all relevant time and spatial scales, considering all steps in the rehabilitation process, namely

from the diagnostic of fire impacts, the evaluation of the necessity of implementing rehabilitation actions, short-term mitigation measures and medium/long term forest restoration and management.

Specific aims of the School are

- (i) to learn on the criteria for post fire rehabilitation planning; and
- (ii) to learn on the need and efficiency of emergency actions to prevent soil erosion and flooding in the short-term after fire; and
- (iii) to review the technology of post-fire restoration in the long-term, from nursery cultivation of seedlings to plantation techniques, and
- (iv) to learn on post-plantation forest management and fire prevention criteria in post-fire restoration; and
- (v) to introduce the landscape perspective in post-fire restoration.

The training programme combines theoretical lectures with field trips, taking advantage of the variety of field experiments and forest research and management facilities available in the Region of Valencia. The School programme will encourage the active participation of students through practical exercises and through discussions in the field visits.

Admission

The course is designed for a maximum of 20 participants, which can be Master or PhD students working on forest fires, or forest managers working in land restoration or fire management in the Mediterranean region.

A good knowledge of English language is a pre-requisite.

Specific selection criteria: gender balance, priority to forest managers, balanced distribution by countries, lower priority for Spanish candidates, higher priority for Southeastern European countries.

Contents of the school

The course will consist of four days of lectures, practical works and field visits presenting the latest development of knowledge. Provisional programme and invited lecturers:

1st day – Valencia. 13 April Tuesday

9:00-10:00 h Ecosystems vulnerability to wildfires: Planning post-fire restoration. **Ramon Vallejo –CEAM Spain**

10.00-11.00 h Short-term post-fire rehabilitation: Emergency actions– **Lee MacDonald, Dept. of Forest, Rangeland, and Watershed Stewardship Colorado State University, Fort Collins CO, USA**

11.00-11:30 h coffee break

11:30-13:30 h Short-term post-fire rehabilitation: Emergency actions (con't)– **Lee MacDonald**

13:30-15:00 lunch

15:00-16:30 h Long-term post-fire restoration 1 **Jordi Cortina – University of Alicante Spain**

- Species selection
- Nursery techniques
- Soil preparation techniques
- Micro-environmental conditioners (tree shelters, hydrogels ..)

16:30-17:00 h coffee break

17:00-18:30 h Long-term post-fire restoration 1 (con't) **Jordi Cortina**

2nd day – Valencia, 14 April Wednesday

8:00-13:00 h Field trip to visit contour branches for mitigating soil erosion (Calderona, near Valencia) **Lee MacDonald & Ramon Vallejo–CEAM**

15:00-17:00 h Long-term post-fire restoration 2 . Silvicultural treatments **Jorge de las Heras & Daniel Moya, UCLM Spain**

17:00-17:30 h coffee break

17:30-19:30 h Planning restoration in the landscape: Forest restoration for fire prevention. **Francisco Moreira – CEABN-ISA Portugal**

3d day – Valencia, 15 April Thursday

9:00-13:00 h visit to the Forest Seed Bank Service and Nursery

15:00-17:00 h Practical exercise: Elaboration of post-fire strategy for a study case by the students, in working groups (including FARSITE simulations exercise) - **Ramon Vallejo & Beatriz Duguay – CEAM Spain**

17:00-17:30 h coffee break

17:30- 19:30 h Practical exercise: Elaboration of post-fire strategy for a study case by the students, in working groups (con't) - **Ramon Vallejo & Beatriz Duguay – CEAM Spain**

4th day – Field trip Ayora (Valencia province), 16 April Friday

8:00- 19:00 h Visit experimental fire, clearing+plantation experiment, fog collection + plantation experiment, hardwood plantation under mature pine. **Alejandro Valdecantos - CEAM Spain**

5th day – Departure, 17 April Saturday

Practical issues:

- COST Action will provide a fixed grant of 700 € for the selected participants, to help covering the travel, accommodation and maintenance expenses in participating in this course. The process of grant payment procedure will be clarified latter by the COST office. This amount will be paid only AFTER the course, and there is no need to deliver any justification of expenses.

Recommended accommodation: Hotel Venecia (reduced prices, at foot distance from venue)

Single use

With breakfast 61,63 euro

Without breakfast 56,34 euro

Double room

With breakfast 74,00 euro

Without breakfast 64,00 euro

(prices include VAT)

HOTEL RESIDENCIA VENECIA

C/En Llop, 5 (pedestrian)

Next to Plaza del Ayuntamiento

Telf. + 34 963524267

Fax. + 34 963524421

email: reservas@hotelvenecia.com

www.hotelvenecia.com

Applications

Applicants should send their CV to:

pilarz@ceam.es

please write in the e-mail subject: **application to COST FP0701 Training School**

Deadline for applications: 19 February 2010

The applications will be evaluated by the COST Action FP0701 Steering Committee and outcomes will be announced on the 24 February.

EFIMED will grant participants from non-COST countries in North Africa and Near East. Call will be published on EFIMED website on late February (www.efimed.efi.int)