



ΚΥΠΡΙΑΚΗ ΔΗΜΟΚΡΑΤΙΑ



phoenix



EUROPEAN FOREST INSTITUTE
MEDITERRANEAN REGIONAL OFFICE – EFIMED

COST FP0701 Training School

USE NATURAL OR ARTIFICIAL REGENERATION? A DILEMMA AFTER FOREST FIRES

First announcement and Provisional programme

Venue and Dates

Site: The Palm Beach Hotel & Bungalows, Larnaca (CYPRUS)

Date: 13-15 April 2011

Organizers

- Department of Forests, Cyprus
- COST Action FP0701 Post-fire Forest Management in Southern Europe (<http://uaeco.biol.uoa.gr/cost/>)
- PHOENIX Project Center – European Forest Institute (www.phoenixefi.org)
- EFIMED - European Forest Institute (www.efimed.efi.int)

Course Coordinator

Mr. Kostas Papageorgiou, Department of Forests, Forest Fire Protection Office, Cyprus

Local Host

Ministry of Agriculture, Natural Resources and Environment – Department of Forests

Background and Objectives of the Training School

After a forest fire, depending on the management objectives, the artificial regeneration of the burned areas is an often used management approach. Either through planting or seeding, there are important scientific and management challenges, related to improving the survival and growth of the introduced plants. On the other hand, and in spite of the often existing political pressure to reforestate burned lands, many Mediterranean species have the capacity to regenerate after fire, from seeds or through resprouting. If managers are able to take advantage of this natural regeneration of many Mediterranean trees, the restoration of burned areas may be achieved with higher success and less costs. The general aim of the school is presenting the most updated scientific and practical knowledge for forest managers and scientists regarding the use of natural or artificial regeneration after fires.

The specific objectives of the training school are:

- I. to review the plant species traits and regeneration strategies that limit the available post-fire management strategies and options for managers;
- II. to learn on the available scientific evidence on the pros and cons of using natural versus natural regeneration;
- III. to learn on the available scientific evidence on techniques for improving plant survival and growth after plantation and seeding;

- IV. to learn on the available scientific evidence on techniques for improving the management of natural regeneration.

Admission

The course is designed for a maximum of 13 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 include: gender balance, maximum of 2 participants per country, priority for researchers.

Lecturers

Margarita Arianoutsou (University of Athens - **UATHENS**, Greece)

Ramon Vallejo (Centro de Estudios Ambientales del Mediterraneo - **CEAM**, Spain)

Jorge de las Heras (University of Castilla-La-Mancha **UCLM**, Spain)

Andreas Christou (Department of Forests, Cyprus)

Programme of the training school

The course will consist of two days of lectures + 1 day practical works and field visits presenting the state of the art on the topic, as follows:

1st day – Larnaca. 13 April Wednesday

Morning:

- Ecosystem responses to fire and plant regeneration strategies. 2h theory -
Margarita Arianoustou, UATHENS, Greece
- Planning post-fire restoration: natural or artificial regeneration? 1h theory -
Ramon Vallejo – CEAM, Spain

Afternoon:

- Planning post-fire restoration: natural or artificial regeneration? (continued). 1h theory
- **Ramon Vallejo, CEAM, Spain**
- Improving the success of artificial regeneration. 3 h theory -
Ramon Vallejo, CEAM, Spain
 1. Species selection
 2. Nursery techniques
 3. Soil preparation techniques
 4. Micro-environmental conditioners (tree shelters, hydrogels ..)
 5. Post-fire restoration in the perspective of fire prevention

2nd day – Larnaca. 14 April Thursday

Morning:

- Improving the success of natural regeneration. 3h theory-
Jorge de las Heras, UCLM, Spain
 1. Managing post-fire forest stands: options and criteria
 2. Post-fire silviculture: main species and techniques focused to forest resilience
 3. Post-fire restoration in the perspective of fire prevention and C fixation

Afternoon:

- Restoration strategies for the 2007 Saitas fire: introduction to the field trip. 1h theory – **Andreas Christou, Department of Forests, Cyprus**
- Group discussion (participants share experience from their home countries/ make short presentations)

3rd day – Field trip Saittas (Troodos forest). 15 April Friday

Visit to the Saitas 2007 fire. The visit will include: visit different areas burned to see different types of vegetation responses; visit forest plantation and discuss with managers; visit area with natural regeneration; –

Andreas Christou & Kostas Papageorgiou, Department of Forests, Cyprus

Grant

COST will provide a maximum grant of 850 euros for the selected participants (350 euros for participants coming from Cyprus), to help covering the travel, accommodation and maintenance expenses in participating in this course. Travel and accommodation bookings are to be made directly by the participants. 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 alternatives

THE PALM BEACH HOTEL & BUNGALOWS, LARNACA (reduced prices, classroom within the hotel, 13km from Larnaca International Airport):

Euro 75,00 per single room per day on a Run of the House BB basis

Euro 90,00 per twin room per day on a Run of the House BB basis

(Run of the House is a combination of Front Sea View, Garden View rooms and Luxury Garden Studio Bungalows).

THE PALM BEACH HOTEL & BUNGALOWS, LARNACA

Larnaka - Dekelia Road

Email: reservations@palmbeachhotel.com

Website: <http://www.palmbeachhotel.com>

Applications

Applicants should send their CV to Kostas Papageorgiou: kostasp@cytanet.com.cy

Please write in the e-mail subject: “Application to COST FP0701 Training School”

Deadline for applications: **15 February 2011.**

The applications will be evaluated by the COST Action FP0701 Steering Committee and outcomes will be announced on the **1 March 2011.**

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

Further details will be provided to the selected participants.