

organizing committee

► IUFRO Conference

María Teresa Cervera (INIA)
Carmen Díaz-Sala (UAH)
Santiago C. González-Martínez (INIA)
Salustiano Iglesias (DGB)
Álvaro Soto (UPM)
Miguel Verdú (CSIC)

► COST Action E-28

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Carmen Díaz-Sala (UAH)
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scientific committee

► IUFRO Conference

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Luis Gil (Spain)
Olivier J. Hardy (Belgium)
Antoine Kremer (France)
Andrew Lowe (Australia)
David B. Neale (USA)
Christophe Plomion (France)
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congress secretariat

Fundación General Universidad de Alcalá

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Office hours

Monday to Thursday, from 9:00 a.m to 14:00 p.m and 16:00 p.m to 18:00 p.m.
Friday, from 9:00 a.m to 14:00 p.m

Organizing Institutions



COST is supported by the EU Framework Programme

ESF provides the scientific, technical and administrative secretariat for the COST



Population Genetics and Genomics of Forest Trees: from Gene Function to Evolutionary Dynamics and Conservation

A joint conference of IUFRO Working Groups 2.04.01 (Population, ecological and conservation genetics) and 2.04.10 (Genomics), and COST Action E-28 (Genosilva: European Forest Genomics Network)

October 1-6, 2006
Alcalá de Henares, Madrid. Spain



introduction

Forest genetics has experienced a significant revolution in recent years. The development of forest genomics and high-throughput genotyping methods, together with new and refined statistical approaches for population analysis, have brought extraordinary advances in the study of evolutionary processes in the wild. Tree species, such as pine, spruce, poplar or eucalyptus, are nowadays considered non-classical models for population, evolutionary and ecological studies. Genetic diversity of forest trees is recognised to have ecosystem-wide importance. Multidisciplinary approaches, bringing together ecologists, geneticists and physiologists, amongst others, are now combined to understand the genetic determinism of adaptive traits and to study the patterns of adaptive variation at landscape level.

In this spirit, an IUFRO Conference will be held in the exceptional venue of Alcalá de Henares (Madrid, Spain), in the line with previous IUFRO Working Group meetings on Population, Ecological and Conservation Genetics (2.04.01) and Genomics (2.04.10). The IUFRO Conference will be organised jointly with the EU COST Action E-28 final meeting (Genosilva: European Forest Genomics Network), effectively merging genomics and population and ecological genetic approaches. A selection of invited speakers from different disciplines and the organization of thematic workshops will contribute to cutting-edge discussions, while enjoying the charming environment of the town of Alcalá de Henares. Multiple manifestations of Spanish history, from Romans to the Renaissance, are found in its churches, monuments and charming streets, which witnessed the birth of Miguel de Cervantes in 1547. The University, one of the oldest in Spain, became a model for other centres of learning in Europe and America after its foundation in 1499, which gave way to a process of urban renewal that transformed Alcalá into a university city built in accordance with the canons of classical architecture. UNESCO recognised the city and the University of Alcalá as a World Heritage Site in 1998.

programme

SUNDAY, OCTOBER 1

- 18:00** Conference **check-in**
19:00 Welcome cocktail

MONDAY, OCTOBER 2

► IUFRO Plenary Sessions

- 08:30** Conference opening
09:15 Invited speaker
 Dr. Philip W. Hedrick
 (Arizona State University, USA)
10:00 Coffee break
10:30 **Session I.** Gene diversity, phylogeography and population genomics
12:30 Lunch
14:00 **Session II.** Conservation genetics
16:00 Coffee break
16:30 **Session II** (cont.)
17:15 Presentation of EVOLTREE NoE
 Dr. Antoine Kremer
 (INRA, France)
18:00 Poster Session I

TUESDAY, OCTOBER 3

► IUFRO Plenary Sessions

- 08:30** Invited speaker
 Dr. Christian Lexer
 (Royal Botanic Gardens, Kew, UK)
09:15 **Session III.** Gene flow, spatial structure and hybridization
10:00 Coffee break
10:30 **Session III** (cont.)
12:30 Lunch
14:00 **Session IV.** Quantitative genetics, QTL studies and adaptation
16:00 Coffee break
16:30 **Session IV** (cont.)
18:00 Poster Session II

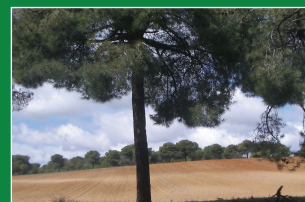
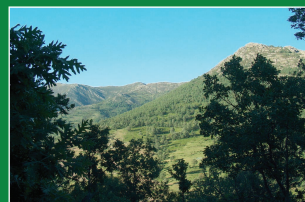
WEDNESDAY, OCTOBER 4

- 08:30** **Parallel Workshops**
(organized freely by workshop leaders)
from 8:30 to 12:30

Workshops

- A. *Association mapping in forest trees*
Organized by: David B. Neale (University of California, USA) and Santiago C. González-Martínez (CIFOR, INIA, Spain)
- B. *Simulation models of tree population genetics: integrating mating systems, demography, ecology and selective traits*
Organized by: John R. Pannell (University of Oxford, UK), Juan José Robledo-Arnuncio (Université de Montpellier 2, France), Miguel Verdú (CIDE, CSIC-UV, Spain) and Frédéric Austerlitz (Université Paris-Sud, France)
- C. *Development, adaptation and phenotypic plasticity*
Organized by: Fernando Valladares (CCMA, CSIC, Spain) and José Climent (CIFOR, INIA, Spain)

- 10:00** Coffee break
10:30 **Workshops** (cont.)
12:30 Lunch
14:00 **Conference visits**
 A) Tourist visit around Alcalá de Henares
 B) Field trip I (conifer forest)
 C) Field trip II (oak forest)



THURSDAY, OCTOBER, 5

► Cost Action E-28

- 08:30** Invited Speaker
 Dr. Roberto Tuberosa
 (University of Bologna, Italy)
09:15 **Session I.** Functional genomics of tree health
10:00 Coffee break
10:30 **Session I** (cont.)
12:30 Lunch
14:00 **Session II.** Functional genomics of tree maturation and reproduction
16:00 Coffee break
16:30 **Session II** (cont.)
20:00 Conference dinner

FRIDAY, OCTOBER 6

► Cost Action E-28

- 08:30** **Session III.** Functional genomics of wood formation
10:00 Coffee break
10:30 **Session III** (cont.)
11:45 Invited speaker
 Dr. Yves Birot
 Chairman COST DC Forest and Forestry Products
12:30 Wrap-up of the Conference
12:45 Lunch
14:00 COST Management Committee Meeting

Parallel activities:

Photo exhibition "The Last Iberian Elms: a Door Open to Hope"

Presentation of the Marcus Wallenberg Prize 2006

general information

► Congress Venue

University of Alcalá.
 Alcalá de Henares. Madrid. Spain
 October 1-6, 2006

► Congress Secretariat

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► Accomodation

Visit the website or contact the Congress Secretariat.

► Oral and Poster Presentation

Visit the website or contact the Congress Secretariat.

registration fees

	Before 31/08/06		After 31/08/06	
	Normal	Students	Normal	Students
• IUFRO & COST (5 days)	345 €	210 €	395 €	280 €
• IUFRO (3 days)	225 €	125 €	275 €	175 €
• COST (2 days)	245 €	130 €	295 €	180 €

• Lunch, Conference Dinner and Conference Visits included.