



VEGETATIVE PROPAGATION & DEPLOYMENT OF VARIETIES – THE SCOPE FOR EUROPE

21, 22 & 23 April 2009

The Liner Hotel, Lord Nelson Street, Liverpool, L3 5QB
(www.theliner.co.uk)

This Workshop is open to all interested parties. It is being hosted by Forest Research as part of the EU co-ordination action contract, 'TreeBreedEx'.

Join tree breeders and foresters from across Europe and beyond in what promises to be *the* definitive workshop considering the state of play of clonal forestry currently being practiced around the world. Some of the leading practitioners in their field from New Zealand, Canada, USA and at home in Europe - working on both conifer and hardwood species - will outline what they do to make clonal forestry work. The workshop will consider what is necessary to make clonal forestry profitable in Europe. Time has been built in to allow lively discussion following each presentation as the audience considers the European context. The in-door meeting will be held over 3 days. Days 1 and 2 are directed more at forest managers, policy makers and students of tree breeding. Day 3 is directed more at members of EU contract TreeBreedEx although non-members are also welcome. There will be a visit to Delamere Nursery on day 2 to see large scale production of rooted cuttings from selected full-sibling families.

If you would like to attend this event please complete and return the form below to Evelyn Hall, Conference Organiser, Forest Research, Northern Research Station, Roslin, Midlothian, EH25 9SY, UK (evelyn.hall@forestry.gsi.gov.uk) no later than 10 April 2008.

ALL PAYMENTS MUST BE RECEIVED BY 10 APRIL 2009
[Secure Internet Site]



Scientific Committee:

Steve Lee (Chair) [FR, Great Britain]; Marie-Anne Lelu-Walters [INRA, France]
Michel Verger [INRA, France]; David Thompson [Coillte, Ireland]
Gerry Douglas [Teagasc, Ireland]; Berholt Heinz [BFW, Austria]



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BOOKING FORM

Personal Details (please complete in BLOCK CAPITALS)

| | | |
|---|--|---------------------------|
| Surname: | | Title: |
| First name(s): | | Country: |
| Organisation: | | |
| Full Postal Address: | | |
| | | Postal code: (zip) |
| | | |
| Email Address: | | |
| TreeBreedEx Members Only – Partner number: | | |

| BOOKING FEES | | Mon 20th | Tue 21st | Wed 22nd | Thu 23rd |
|---|--|--|--------------------------------|--------------------------------|--------------------------------|
| Conference Fee & Day Delegate Rate | <i>£70.00 per person per day (please indicate days you are attending). Includes teas/coffees; lunch and attendance at the Workshop for the day. Does not include dinner.</i> | | | | |
| Accommodation | <i>£100.00 per night B&B (please indicate nights required)* *Conference negotiated deal, includes dinner on Tuesday & Wednesday evening also.</i> | | | | |
| Field Trip | <i>Visit to Delamere Nursery on Wednesday 22nd April (Day 2) to see large scale production of rooted cuttings from selected full-sibling families</i> | <i>£20.00 Yes/No [please indicate]</i> | | | |

| | |
|-----------------------------|--|
| Dietary Requirements | <i>Please indicate below whether or not you have any special dietary requirements:</i> |
|-----------------------------|--|

Please make all bookings via Evelyn Hall. Do not contact the hotel direct as you will be charged a higher rate.



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Method of Payment
(Please Indicate)

*Preferred method of payment is Credit Card – please note we do have a
secure internet site.*

1. I wish to pay by Credit Card

| | | |
|---|-------------------------------|-------------------------------------|
| Credit Card: | <input type="checkbox"/> Visa | <input type="checkbox"/> MasterCard |
| Credit Card Holder Name: | | |
| Credit Card Number: | Start Date: | |
| Security Code: (last 3 digits on reverse of card) | Expiry Date: | |

2. I wish to pay by Bank Transfer

For payment via bank transfer – please quote “Treebreedex & Your name” on bank transaction as an indicator – thanks.

The account information is:

Sterling Account Branch Identification Code (BIC) No.: MIDLGBL2112U

Bank Address: HSBC Bank Plc
 33 The Borough
 Farnham
 Surrey
 GU9 7NJ

IBAN No. for Sterling/Euro Account is: GB66MIDL40210511413392

Total to be forwarded: £

PROGRAMME

| | |
|--------------|--|
| Day 1 | Tuesday 21st April |
| 0830-0900 | Tea/Coffee |
| 0900-0915 | <i>Welcome</i> Steve Lee, Forest Research, GB |
| 0915-0930 | <i>Introduction to the meeting and the promise of clonal forestry</i> James Pendlebury, Chief Executive Officer of FR, GB |
| 0930-1030 | <i>Will clonal forestry ever deliver? A review</i> David Thompson, Coillte, Ireland |
| 1030-1045 | Tea/Coffee |
| 1045-1145 | <i>Clonal forestry in Norway – Tried it once. Could it work now?</i> Øystein Johnsen, NFLI, Norway |
| 1145-1230 | <i>Clonal forestry? Why bother?</i> Steve Lee of Forest Research, GB |
| 1230-1245 | Summary of the morning |
| 1245-1330 | Lunch |
| 1330-1430 | <i>Industrial implementation of Multi-varietal Forestry for spruces in New Brunswick</i> Yill-Sung Park, New Brunswick, Canada |
| 1430-1530 | <i>Towards large-scale clonal forestry in Québec: Integrating research and nursery practices for mass cutting propagation and somatic embryogenesis</i> Denise Tousignant, Ministry of Natural Resources and Wildlife Québec. Canada. |
| 1530-1545 | Tea/Coffee |
| 1545-1645 | <i>Clonal forestry of radiata pine. Lessons for Europe</i> Mike Carson of Forest Genetics, New Zealand |
| 1645-1715 | Summary of the afternoon Close for day |
| Evening | Conference dinner in Hotel |

Day 2 **Wednesday 22st April**

- 0830-0930 *Clonal forestry of Eucalyptus – in Europe and South America*
Gabriel Dehon of RIAZ (Portugal)
- 0930-1030 Clonal forestry of cherry and chestnut:
 i. *Vegetative propagation of wild cherry*
 Colleagues from INRS (France).
 ii. *Clonal Forestry of chestnut in Northern Spain*
 Fina Fernandez of CINAM, Spain
- 1030-1045 Tea/Coffee
- 1045-1145 *The economics of clonal forestry*
David South of Auburn University, USA
- 1145-1230 *Social aspects.*
Mariella Marzano, FR, GB
- 1230-1300 Further discussion on whole workshop
- 1300-1345 Lunch
- 1345 Bus leaves for Delamere Nursery courtesy of Forestry Commission.
This unit produces over 4 million rooted cuttings per year for the
forestry state sector and has over 15 years rooted-cutting experience.
- 1730 Return to hotel in Liverpool. End of open meeting.
- Optional visits to places of interest in Liverpool, e.g. places made
famous by the “Beatles” (Penny Lane) or pubs, or the ferry across the
River Mersey.

Day 3 Thursday 22st April

This day will be more suitable for members of EU contract TreeBreedEx although this session will again be open to anybody who wishes to attend.

0830-1230 Posters and presentation on more scientific aspects of clonal forestry in particular:

Clonal replication to assist breeding

Keynote Speaker: Bo Karlsson, Skogforsk, Sweden

Other Papers

In vitro establishment of juvenile and adult black alder (Alnus glutinosa (L.) Gaertn.) clones for resistance studies.

Gisela Naujoks, Irmtraut Zaspel and Lisa Krüge, Germany.

Selection, vegetative propagation, clonal field trials and deployment of varieties of valuable broadleaved species.

Andreas Meier-Dinkel, Germany

Gibberellin in vitro research for vegetative propagation of aspen.

Jonas Ziauka

Report on the vegetative propagation meeting at Punkaharju, Finland.

Tuija Aronen, Metla, Finland.

1230-1330 Lunch & Depart

Confirmed speakers

| Speaker | Topic |
|--|--|
| James Pendlebury, Chief Executive Forest Research (UK) | Clonal Forestry: Even if it works, do we want it? |
| David Thompson from Coillte (Ireland) | General Introductory paper to clonal forestry: Where is it working; where are we now; what will it take to make it work? |
| Denise Tousigant and colleagues, Ministry of Natural Resources and Wildlife, Québec (Canada) | Towards large-scale clonal forestry in Québec: Integrating research and nursery practices for mass cutting propagation and somatic embryogenesis |
| Mike Carson of Forest Genetics (New Zealand) | Clonal forestry of radiata pine. Lessons for Europe. |
| Gabriel Dehon of RIAZ (Portugal) | Clonal forestry of Eucalyptus – in Europe and South America |
| Steve Lee of Forest Research | Clonal forestry? Why bother? |
| David South of Auburn University (USA) | The economics of clonal forestry |
| Øystein Johnsen (Norway) | Clonal forestry in Norway – Tried it once. Could it work now? |
| Bo Karlsson (Sweden) | Clonal replication to assist breeding |
| Fina Fernandez of CINAM (Spain) | Clonal Forestry of chestnut in Northern Spain |
| Dr Yill-Sung Park (New Brunswick, Canada) | Industrial implementation of Multi-varietal Forestry for spruces in New Brunswick |
| Mariella Marzano | Social aspects |