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There is a charge of \$50 (including GST) to cover the cost of lunch, and to contribute towards administration costs.

Enrolment Application

Name:
Last First

Company/Affiliation

Address:
.....

Telephone:

Fax:

E-Mail:

Payment Method:

Cheque (made out to University of Canterbury)

Credit Card Visa ☐ Mastercard ☐

Card No

Name on card:

Expiry date: Signature:

*This registration form will become a tax invoice upon payment
(GST Reg No 11-131-859)*

This Workshop is an opportunity to explore opportunities for eucalypts ranging from carbon capture to substitution for tropical woods. The emphasis will be as much on your informal discussion, interpretation and application of ideas as on the presentation of technical material by the speakers. It is hoped that participants will capture practical benefits for their own commercial profit. At the same time the discussions will enable us to tune our own research goals to industry needs.

Registration will be in the Office of the School of Forestry, which is accessed via Forestry Road, off Creyke Road, on the Ilam Campus of the University of Canterbury. The registration pack will include a car parking sticker and a copy of the Workshop Notes.

The Workshop will be held in Lecture Theatre COM 101 of the Commerce Building.

Coffee, Lunch and Tea will be provided in the School of Forestry's Common Room.

There is designated day-long parking on campus. The closest is immediately adjacent to the Commerce Building – between there and Creyke Road.

We acknowledge the contributions of individual speakers and their companies in supporting this workshop, and the help provided through

- The Agricultural & Marketing Research & Development Trust (Agmardt);
- The Foundation for Research, Science & Technology (FRST);
- Future Forests Research Ltd (FFR); and
- The Neil Barr Farm Forestry Foundation

University of Canterbury



Wood Technology Research
Centre

Revisiting Eucalypts

WORKSHOP 2009

Thursday 12 February 2009

School of Forestry
Forestry Road
(off Creyke Road)
University of Canterbury
Christchurch

8.30	Barry Poole Hardwood Management Ltd	What have we learnt about eucalypts?	- Many eucalypts tested but few have long term potential. - With good matching of species to site, eucalypts can outperform pine volumetrically. - Eucalypts can make a substantial contribution to NZ fibre needs for pulp, LVL, timber and carbon sequestration.
9.00	Michael Henson State Forests New South Wales Coffs Harbour	Influence of site selection on wood properties and chemistry	- Collapse - Density - Growth stress - Shrinkage
9.30	Carolyn Raymond, M. Henson, M. Shepherd and T. Sexton Southern Cross University, NSW	Quantitative and molecular genetic control of wood properties and chemistry in <i>Eucalyptus pilularis</i>	- Structure of genetic variation - Heritability and correlations amongst wood properties and with tree growth - Associations of candidate genes with wood properties
10.00	Jose Gomide University of Viçosa Brazil	Wood quality characteristics and the Brazilian kraft pulp industry	- Selection for bleached kraft pulp - Characteristics and functional groups - Why this focus? - Variability and criteria/weightings in ranking clones
10.30	Coffee		
11.00	Ian Nicholas Scion	Alternative forest systems: carbon capture and other opportunities	- Emissions trading - Permanent forest sinks
11.30	Paul Millen Millen and Associates	The New Zealand Dryland Forest Initiative and market opportunities	- Durable species for drylands - Species selection and seed collection - Market opportunities for naturally durable timber
12.00	Denis Hocking Parewanui, RD 1, Bulls	Lessons on the sand country	- Success and failures of a magpie - Matching species to sites on sand country - The need to grow eucalypts more cheaply - The need for market development - Where is the tech transfer?
12.30	Lunch		
1.00	Luis Apiolaza School of Forestry	Don't delay: scale and early selection	- How early is early enough for selection? - How big should the population be? - Exploiting variability at different scales
1.30	Russell Washusen CSIRO Melbourne	Processing the influence of tree form, silviculture and management	- Processing problems: cause and effect - Tree form - Silviculture - Management
2.00	Dean Satchell	Shorter rotations and smaller logs for solid wood: prospects and possible processing options	- Rotation length, stocking and economics - Choice of species - Miling for high values and markets
2.30	Jose Gomide University of Viçosa Brazil	Quality characteristics of elite eucalyptus clones in Brazil	- Fiber characteristics - Wood chemical composition - Lignin and carbohydrates characteristics - Pulp quality
3.00	Tea		
3.30	Alfred Henrichs and Justin Nijdam Department of Chemical and Process Engineering	Rethinking drying	- Moisture variations on drying hardwood boards - Internal checks and washboarding - Non-uniformities introduced by the kiln - Evening out airflow in kilns
4.00	David Evison and Sarah Orton School of Forestry	The New Zealand vineyard market for roundwood	- Products used - Drivers of demand - Estimated future demand
4.30	Shakti Chauhan School of Forestry	Avoiding surprises: fast mass screening for unwanted effects	- Measurement of growth stress - Growth stress and bow - Variability in warp and collapse