IRG 31 – SECTION PROGRAMMES

SCIENTIFIC PROGRAMME FOR SECTION 1
BIOLOGY

Keynote:
Monday 15th May. 10.00-11.00,

IRG/WP 00-10339 (Keynote)
The influence of Building Design on Wood Decay
W W Wilcox

Main session
Thursday May 18th . 08.00 – 09.30
Chairlady: Dr. Anne-Christine Ritschkoff
Vice chairman: Mr. Robin Wakeling

IRG/WP 00-10367
The Effect of Low Molecular Weight Chelators on Iron Chelation and Free Radical Generation as Studied by ESR Measurement
Y Qian, B Goodell:

IRG/WP 00-10371
What can DNA fingerprinting, aggression tests and morphometry contribute to the identification of colonies of the Formosan subterranean termite?
C Husseneder, J K Grace

IRG/WP 00-10355
Changes of EPR spectra of wood, impregnated with copper based preservatives, during exposure to *Antrodia vaillantii*
M Humar, M Petric, F Pohleven, M Sentjurc:

IRG/WP 00-10365
Monitoring the potential biological control agent Cartapip™
S Schroeder, K Sterflinger, S H Kim, C Breuil

IRG/WP 00-10344
Site Characteristics Impacting Historic Waterlogged Wood: A Review
B A Jordan, E L Schmidt

WP 1.1 Physiology of decay
Tuesday May 16th . 15.30-17.00
Convenor: Dr. Frederick Green III

IRG/WP 00-10340
Lignin degradation by a non-enzymatic system supposed to be active in white-rot fungi
P Lamaipis, W Gindl, T Watanabe, K Messner

IRG/WP 00-10363
Chelator production and cellobiose dehydrogenase activity of wood inhabiting fungi
W Qi, J Jellison

IRG/WP 00-10364
The effect of stilbenes on decay fungi of birch and aspen
L Syrjälä, K v Weissenberg, A Pappinen, L Paajanen

IRG/WP 00-20202
The effect of malt and agar trademarks on growth, decay and stilbene resistance of fungi
L Syrjylä, L Paajanen, A Pappinen

IRG/WP 00-10356
Micromorphology of Oak Wood Degraded by Brown Rot Fungus *Coniophora puteana*
Y S Kim, S-G Wi, K-H Lee

WP 1.2 Soft-rot and bacterial degradation
Monday May 15th . 17.00 – 18.00
Convenor: Prof. Dr. Shuichi Doi

IRG/WP 00-10378
Enzyme systems of bacterial isolates from ponded logs – Potentials of pectin and/or starch degradation
S Doi, S Ohta

WP 1.3 Bluestain
Tuesday May 16th . 10.00 – 12.00
Convenor: Mr. Robin Wakeling

IRG/WP 00-10329
Colonisation and Detection of New Zealand Sapstain fungi
J M Thwaites, R L Farrell:

IRG/WP 00-10333
Validation of the Sapstain Danger Index
P Cooper, S Downs, R Farrell

IRG/WP 00-10334
Variation in infection rates of blue-stain, mould and white rot tropical fungi on mixed light Malaysian woods
A H H Wong, S Ahmad

IRG/WP 00-10343
Fumigation of red beech in New Zealand for prevention of graystain
E L Schmidt, B Kreber

IRG/WP 00-10346
Mold and stain fungi associated with radiata pine logs imported from New Zealand
J-J Kim, G-H Kim

RG/WP 00-10347
Detection of semi-quantitative and qualitative enzymatic activities of blue-stain fungi
M T Troya, F Llinares, D Muñoz-Mingarro, M J Pozuelo, N Acero, C Rodríguez-Borrajo, A Navarrete

IRG/WP 00-10358
Sapstain Development on Jack Pine Logs in Eastern Canada
D Q Yang, R Beauregard

WP 1.4 Biocontrol
Monday May 15th . 15.30 – 17.00
Convenor: Dr. Alan Bruce

IRG/WP 00-10331
Effect of volatiles from bacteria and yeast on the growth and pigmentation of sap-stain fungi
A Bruce, R E Wheatley, S Verrall

IRG/WP 00-10332
The effect of *Trichoderma* Volatiles on the Growth and Enzyme Production of *Serpula Lacrymans*
S N Humphris, A Bruce, R E Wheatley

IRG/WP 00-10349
Evaluation of White-Rot Fungal Growth on Southern Yellow Pine Wood Chips Pretreated with Blue-Stain Fungi
S C Croan

IRG/WP 00-10360
Biological Control of Wood Decay Fungi. II Effects of Exogenous Nitrogen on Effectiveness
E A Canessa, J J Morrell

IRG/WP 00-10362
The yeast *Pichia* sp. as a short-term biological control agent to fungal spoilage of sawn softwood timber
C Payne, H Staines, A Bruce

Joint WP 1.5 Biology of Insects and WP2.5 Insect Test Methodology
Thursday May 18th . 13.30 – 15.00 and 15.30 – 17.00
Convenor: Mr. Jim Creffield / Prof. Dr. Ken Grace

IRG/WP 00-10335
Yeasts Associated with the Infrabuccal Pocket and Colonies of the Carpenter Ant *Camponotus vicinus*
M E Mankowski, J J Morrell

IRG/WP 00-10352
Substrate Preferences in adult *Pselactus spadix* (Herbst)
P Oevering, A J Pitman

IRG/WP 00-10354
Inhibition of termite damage by N'N-napthaloylhydroxyamine (NHA): *Reticulotermes flavipes* (Kollar) vs. *Coptotermes formosanus* Shiraki
F Green III, S Lebow, T Yoshimura

IRG/WP 00-10359
Biocontrol of *Reticulitermes santonensis* by entomopathogenic fungi. Improvement of the contamination process
I Le Bayon, D Ansard, C Brunet, S Girardi, I Paulmier

IRG/WP 00-10370
Termite Attack on Susceptible Lumber Above Naturally Durable Support Posts
J K Grace

IRG/WP 00-10372
Controlling *Coptotermes* (Isoptera: Rhinotermitidae) infestations in buildings with bait boxes
J R J French and T Boschma

IRG/WP 00-10374
Experimental real building evaluation of termite attack. Effect of the space between the mat foundation and the thermal insulation
K Suzuki, K Hagio, Y Tanaka

IRG/WP 00-10376
Techniques for field assessment of particulate termite barriers
D McG Ewart, E R Rawlinson

IRG/WP 00-10381
Feasibility of Termite Control Using Crushed Cement-Stabilized Sludge (Polynite) as a Physical Barrier and Acoustic Emission (AE) Monitoring
Y Yanase, M Shibata, Y Fujii, S Okumura, K Iwamoto, T Nogiwa, T Yoshimura, Y Imamu

IRG/WP 00-20192
Laboratory termite testing of copper boron tebuconazole
R F Fox, E A Pasek, J Patel

WP 1.7 Natural durability
Monday May 15th . 17.00 – 18.00
Convenor: Dr. Hannu Viitanen

IRG/WP 00-30221
Effect of origin and orientation of radiata pine substrates on the development of fungal degrade
B Kreber, D Eden, C Chittenden, B Carpenter, J van der Waals

IRG/WP 00-10369
Ability of heartwood extractives to inhibit the growth of a bacterial symbiont of *Teredo navalis*
C S Love, A R Sipe, S C Cary, J J Morrell

IRG/WP 00-10350
Decay resistance of Siberian larch wood against brown rot fungus. Part 3. The variation between plus trees and their grafted clones
H Viitanen, L Paajanen, M Ven

SCIENTIFIC PROGRAMME FOR SECTION 2
TEST METHODOLOGY AND ASSESSMENT

Keynote:
Monday 15th May. 11.00-12.00

IRG/WP 00-20190 (Keynote)
Incorporating insect behavior in standard tests of wood preservatives – a possible way to reduce pesticide loadings
H. Hertel, R. Plarre

Main Session
Tuesday 16th May. 08.00-09.30
Chairman: Dr. Paul Morris
Vice Chairlady: Dr. Ina Stephan

IRG/WP 00-20203
Methodology challenges in developing a transfer of natural durability from sawmill residues, illustrated by experiences with white cypress (*Callitris glaucophylla*)
M J Kennedy, M A Powell

IRG/WP 00-20212
Increased biological durability differs for traditional wood preservation and new non-biocidal systems (NBS)
J Van Acker, M Stevens

IRG/WP 00-20210
Serviceability modelling – Predicting and extending the useful service life of FRT-plywood roof sheathing
J E Winandy

IRG/WP 00-20214
New approaches to practical evaluation method of biodegradation of wooden construction. Non-destructive detection of defects using radar technique
Y Fujii, Y Komatsu, Y Yanase, S Okumura, Y Imamura, M Tarumi, H Takiuchi, A Inai

WP 2.1 Topical Issue – Natural Weathering and Laboratory Tests
Monday May 15th. 15.30 – 17.00
Convenor: Dr. Ina Stephan

IRG/WP 00-20185
Short term preconditioning of preservative-treated wood in soil contact in relation to performance in field trials?
S Molnar, D Dickinson

H Hertel, R Plarre
IRG/WP 00-20191
Durability of plywood made from soft- and hardwoods assessed according to ENV 12038 after artificial and natural ageing
H Leithoff, R-D Peek

IRG/WP 00-20193
Assessing the importance of degradation mechanisms on the loss of effectiveness of wood preservatives
E D Suttie, R J Orsler, T Dearling

IRG/WP 00-40153
Characterization of checks and cracks on the surface of weathered wood
D P Kamdem, J Zhang

WP 2.2 Microbiological Test Methodology
Wednesday May 17th, 10.00-12.00
Convenor: Prof. Dr. Shuichi Doi

IRG/WP 00-20204
Natural durability transfer from sawmill residues of white cypress (*Callitris glaucophylla*); 2: Laboratory fungal bioassays
M A Powell, L M Stephens, L Francis, M J Kennedy

IRG/WP 00-20184
Effect of mini-block test conditions on activity of *Coniophora puteana*
F Pohleven, M Petric, J Zupin

IRG/WP 00-20200
An experimental method to simulate incipient decay of wood by basidiomycete fungi
S Curling, J E Winandy, C A Clausen

IRG/WP 00-20205
The Ground Proximity Decay Test Method
A Preston, P Walcheski, K Archer, A Zahora, L Jin

IRG/WP 00-20199
Attempt for developing a new method for above ground field testing of wood durability
N Terziev, M-L Edlund

IRG/WP 00-10336
Soluble Nutrient Content in Wood and its Susceptibility to Fungal Discoloration and Decay in Above Ground and Ground tests
O M Caballero, N Terziev

IRG/WP 00-20188
Comparison of three methods of quantitative evaluation of sapstain in rubberwood
A J Ashari, J W Palfreyman, A H H Wong

WP 2.3 Chemical Analysis
Tuesday May 16th, 10.00-12.00
Convenor: Dr. Michael Kennedy / Dr. Ed Suttie

IRG/WP 00-20186
The Use of ESR Spectroscopy to Assess the Photostabilising Effects of Wood Preservatives
S Schmidt, R D Webster, P D Evans

IRG/WP 00-20198
Determination of ethanolamine in impregnated wood
M Humar, M Petric

IRG/WP 00-20201
Determination of N-cyclohexyl-diazeniumdioxide (HDO) containing compounds in treated wood using GC-MS
P Jüngel, J Wittenzellner, E Melcher

IRG/WP 00-20215
Natural durability transfer from sawmill residues of white cypress (*Callitris glaucophylla*); 4: Analysis of extracts and treated wood for active components
H Jiang, M J Kennedy, L M Stephens

IRG/WP 00-20189
New method to find out the volatile organic compounds (VOC) of wooden material
H Viitanen, K Villberg, K Saarela

IRG/WP 00-40176
Analysis of Water Repellents in Wood Treated with Water Borne Formulations using FTIR
P Walcheski, L Jin

IRG/WP 00-20187
A simple field apparatus for measuring relative gaff penetration and assessing the effect of additives for improving pole climbability
A Zahora

WP 2.4 International Standardisation
Monday May 15th. 17.00 – 18.00
Convenor: Dr. Mick Hedley

IRG/WP 00-20194
Conforming to European standards for preservative-treated timber: Specifying with confidence
E D Suttie, R J Orsler

IRG/WP 00-20206
Work programme of CEN/TC 38 (March 2000) and European Publications
R Hüe

IRG/WP 00-20207
Draft business plan of CEN/TC 38 – Durability of wood and wood-based products
R Hüe

IRG/WP 00-20196
International standards and the biocide debate. Potential contribution
G Ozanne

SCIENTIFIC PROGRAMME FOR SECTION 3
WOOD PROTECTING CHEMICALS

Main Session
Monday May 15th . 13.30 – 15.00
Chairman : Dr Bryan Hegarty
Vice Chairman: Dr Gareth Williams

IRG/WP 00-30234
Effect of soil parameters on biocide depletion: laboratory and field studies of water- and emulsion-borne preservatives
T P Schultz, D D Nicholas, D E Pettry, M G Kim

IRG/WP 00-30244
The influence of carrier fluid type on the efficacy of a wood preservative against cavity forming soft rot
P A Hodges

IRG/WP 00-30245
Laboratory tests on light organic solvent preservatives for use in Australia. Part 6. Soft rot resistance of three fully formulated preservatives on different timber substrates
G C Johnson, M A Tighe, J D Thornton

IRG/WP 00-30242
Copper naphthenate-treated Southern pine pole stubs in field exposure: Part I – Gradient & biodeterioration analysis 12 years after treatment
H M Barnes, M H Freeman

IRG/WP 00-30246
Copper Naphthenate-Treated Southern Pine Pole Stubs in Field Exposure. Part II: Chemical Characterization of Full Size Pole Stubs 12 Years After Treatment
H M Barnes, D P Kamdem, M H Freeman

Working Party: 3.1 Diffusible preservatives
Tuesday May 16th. 10.00 – 12.00
Convenor: Dr Jeff Lloyd

IRG/WP 00-30225
Ten Year Performance of L-joints Made From Borate Diffusion Treated Wood
P I Morris

IRG/WP 00-20208
The long-term performance of boron treated joinery in service – a case study
D J Dickinson, R J Murphy

IRG/WP 00-40171
Preservative Treatments of Window Components with a Water-Based Borate Formulation
J Jermer, J D Lloyd

IRG/WP 00-30227
A Comparison of the Diffusion of Boron from two types of Solid Preservative Rods into the Heartwood of 3 Eucalypt Pole Species
P J Beutel, P D Evans

IRG/WP 00-30236
Termite Resistance of Borate-treated Lumber in a Three-year Above-ground Field Test in Hawaii
J K Grace, R J Oshiro, T Byrne, P I Morris, K Tsunoda

IRG/WP 00-30239
Resistance of borate-treated lumber to subterranean termites under protected, above-ground conditions
K Tsunoda, A Adachi, T Yoshimura, T Byrne, P I Morris, J K Grace

IRG/WP 00-10353
Acceleration of boric acid uptake into the subterranean termite, *Coptotermes formosanus* Shiraki using steamed larch wood
W Ohmura, S Doi, S Ohara

IRG/WP 00-30237
Biological Performance of Gypsum Products Containing Borates
J L Fogel, J D Lloyd

IRG/WP 00-30235
The effect of glycol additives on diffusion of boron through Douglas-fir
C M Freitag, R Rhatigan, J J Morrell

Working Party: 3.2 In ground field trials
Wednesday May 17th . 10.00 – 12.00
Convenor: Dr David J Dickinson

IRG/WP 00-30217
Comparison of the in-ground performance of pigment emulsified creosote (PEC) and high temperature creosote (HTC)
J W Creffield, H Greaves, N Chew, N-K Nguyen

IRG/WP 00-30228
Evaluation of New Creosote Formulations after Extended Exposures in Fungal Cellar Tests and Field Plot Tests
D M Crawford, P K Lebow, R C DeGroot

IRG/WP 00-30223
Long term performance of CCA preservatives in ground contact
M Hedley, D Page, B Patterson

IRG/WP 00-20213
Variation in field test performance of untreated and CCA-treated lesser-known Surinamese wood species
J Van Acker, M Stevens, L Comvalius

IRG/WP 00-30240
The performance of metal-chromium-arsenic formulations after 32 to 38 years' in-ground exposure in Australia
G C Johnson, J D Thornton, J Beesley

IRG/WP 00-30219
Termite and fungal resistance of *in situ* polymerised tributyltin acrylate and acetylated Indonesian and USA wood
R E Ibach, Y S Hadi, D Nandika, S Yusuf, Y Indrayani

IRG/WP 00-30241
An Australian test of wood preservatives. IV. The condition, after 35 years' exposure, of stakes treated with creosote oils and oilborne preservatives
G C Johnson, J D Thornton

IRG/WP 00-30243
Comparative performance of pentachlorophenol and copper naphthenate in a long term field stake test
D D Nicholas, M H Freeman

IRG/WP 00-30247
Performance of treated and untreated sawn fence posts of Scots pine and Norway spruce
Ö Bergman

Working Party: 3.3 New Wood Protecting Chemicals
Monday May 15th. 15.30 – 17.00
Convenor: Dr Gareth R Williams

IRG/WP 00-30220
Laboratory trial to identify potential in-forest treatments to control fungal pre-infections of radiata pine logs
D Eden, B Kreber, R Wakeling, J van der Waals, C Chittenden

IRG/WP 00-30226
Efficacy of triflumuron dust against *Schedorhinotermes intermedius* (Isoptera: Rhinotermitidae) activity
W Madden, P Hadlington, M Hill

IRG/WP 00-30238
Natural durability transfer from sawmill residues of white cypress (*Callitris glaucophylla*); 1: Optimisation of the extraction conditions
M J Kennedy, H Jiang, L M Stephens

IRG/WP 00-30218
Anti-Fungal Properties of Pyrolytic Oils Derived from Softwood Bark
D Mourant, D-Q Yang, X Lu, C Roy

IRG/WP 00-10380
Preliminary Field and Laboratory Findings Regarding the Efficacy of a Novel Anti-Marine Wood Borer Agent
A Praël, S M Cragg, R A Eaton

Working Party: 3.4 Preservative performance
Thursday May 18th . 13.30-15.00 and 15.30 – 17.00
Convenor: Dr Kevin J Archer

IRG/WP 00-30213
Comparative performance of copper azole and copper-chrome-arsenate treated rubber wood in Australian, Malaysian and New Zealand test sites
J A Drysdale, M E Hedley, E Loh, L T Hong

IRG/WP 00-30214
Serviceability of copper naphthenate-treated poles
H M Barnes, M H Freeman, J A Brient, C N Kerr Jr.

IRG/WP 00-30215
Copper naphthenate performance. A new way to look at old data
C R McIntyre

IRG/WP 00-30224
Copper Naphthenate: An Analysis of the Materials Found in the Worldwide Marketplace Using A New Analytical Technique
J A Brient, R E Moyer, M H Freeman, H Jiang

IRG/WP 00-30222
Performance of Tebbacop in laboratory, fungus cellar and field tests
M Hedley, D Page, B Patterson

IRG/WP 00-30216
Contribution of Wood Components on the Absorption of Copper Amine
D P Kamdem, J Zhang

IRG/WP 00-30229
Effectiveness of a Newly Registered Antisapstain Preservative in Preventing Stain of Eucalypt Timber in Australia
J Snow, P Cobham, N Ryan

IRG/WP 00-30230
"XYLOPHENE™ ANTI-TERMITES": A complete range of treatment products against termites
L Cubizolles, E Wozniak

IRG/WP 00-30231
Water Repellency of Wood Treated with Alkylammonium Compounds and Chromated Copper Arsenate
D D Nicholas, A Kabir, A D Williams, A F Preston

IRG/WP 00-30233
A comparison of the leaching resistance of copper 2-ethanolamine and copper ethylenediamine treated scots pine
X Jiang, J N R Ruddick

IRG/WP 00-10368
Marine performance of preservative treated southern pine panels Part 1: Exposure in Newport, Oregon
R G Rhatigan, J J Morrell, A R Zahora

IRG/WP 00-10337
Marine performance of preservative treated southern pine panels. Part 2: Exposure at Mourilyan Harbour, Queensland, Australia
A R Zahora, A Preston, K Archer, S Kleinschmidt

SCIENTIFIC PROGRAMME FOR SECTION 4
PROCESSES AND PROPERTIES

Main Session
Tuesday May 16th. 13.30 – 15.00
Chairman: Prof. H. Michael Barnes
Vice-Chairman: Mr. Joris Van Acker

IRG/WP 00-40163
A Fixation Model, Based on the Temperature Dependence of CCA-C Fixation
P Cooper, F Kazi, J Chen, T Ung

IRG/WP 00-40165
Surface Checking of CCA-treated Radiata Pine Decking Timber Exposed to Natural Weathering
P D Evans, P J Beutel, C Donnelly, R Cunningham

IRG/WP 00-40167
Natural durability transfer from sawmill residues of white cypress (Callitris glaucophylla); 3: Full penetration of the refractory sapwood of white cypress
M J Kennedy, L M Stephens, M A Powell

IRG/WP 00-40169
The distribution of introduced acetyl groups and a linseed oil model substance in wood examined by microautoradiography and ESEM
M Rosenqvist

IRG/WP 00-40175
Development of pressure and deformation in oriented strandboard during supercritical fluid impregnation
G Oberdorfer, P E Humphrey, R J Leichti, and J J Morrell

WP 4.1 Extending Service Life
Thursday May 18th . 10.00 – 12.00
Converner: Dr. Andrew Zahora

IRG/WP 00-20211
Evaluation of the corrosivity of the treated wood – Laboratory vs field test methodologies
L Jin, A Preston

IRG/WP 00-40159
Long-term performance of a “wax” type additive for use with water-borne pressure preservative treatments
A Zahora

IRG/WP 00-20209
Effect of humidity and temperature on fastener withdrawal resistance from CCA and ACZA treated Douglas-fir
S-M Kang, J J Morrell

IRG/WP 00-50158
The effect of water-repellent additives on the leaching of CCA from simulated SYP decks
F Cui and P Walcheski

IRG/WP 00-40155
Weathering of copper-amine treated wood
J Zhang, D P Kamdem

IRG/WP 00-40168
Effect of a water repellent additive on the performance of ACQ-treated stakes
F Cui and A Zahora

WP 4.2 Substitute Modification & Non-biocidal Treatment
Thursday May 18th. 10.00 – 12.00
Convenor: Prof. Dr. Holger Militz

IRG/WP 00-10348
On the resistance of consolidated ancient wood against Serpula lacrymans (Wulfen: Fr.) Schroeter
W Unger, A Unger, U Schiessl

IRG/WP 00-40160
Durability aspects of (hydro)thermal treated wood
B F Tjeerdsma, M Stevens, H Militz

IRG/WP 00-40158
Heat treated timber in Finland
T Syrjänen, E Kangas

IRG/WP 00-40154
Preliminary Investigation on the Natural Durability of Guayule (Parthenium argentatum)-Based Wood Products
F S Nakayama, P Chow, D S Bajwa, J A Youngquist, J H Muehl, A M Krzysik

IRG/WP 00-40157
Moisture content of logs under sprinklers
M C Rose, A M Briones, M Fernández

IRG/WP 00-40166
Screening of the technical performance and aquatic toxicity of N-methylolacrylamide treated wood
V Rijckaert, S De Geyter, J Van Acker, M Stevens

WP 4.3 Wood Composites
Wednesday May 17th . 10.00 – 12.00
Convenor: Mr. Joris Van Acker

IRG/WP 00-40161
The durability of wood polymer composites against fungi and insects
G Labat, I Le Bayon, J Gerard, F Amin

IRG/WP 00-10338
Resistance of two commercial cement-bonded rubberwood particle composites to decay and termites
A H H Wong

IRG/WP 00-40152
Effect of point of preservative addition on the mechanical and physical properties of strandboard treated with Tanalith 3485
G J Goroyias, M D Hale

IRG/WP 00-40174
Properties of plywood and oriented standboard manufactured with an organic insecticide incorporated in the adhesive formulation.
D P Kamdem, A. Jermannaud, and J Hope

IRG/WP 00-40178
Treatment of particleboard with isocyanate resin to impart dimensional stability and water repellency
K M Filcock and P Vinden

IRG/WP 40180
The hydrolysis of organo-boron compounds in treated particleboard
K M Filcock and P Vinden

IRG/WP 40179
The emission of boron compounds from treated particleboard
K M Filcock & P Vinden

WP 4.4 Treatment Processes,
Tuesday May 16h . 17.00 – 18.00
Convenor: Prof. Peter Vinden

IRG/WP 00-40162
Improved resistance of Scots pine and spruce by application of an oil-heat treatment
M Sailer, A O Rapp, H Leithoff

IRG/WP 00-40172 (poster)
Innovations in the Treatment of Southern Yellow Pine Heartwood
M. G. Sanders, T. L. Amburgey, and H. M. Barnes

WP 4.5 Treatability of Timber
Tuesday May 16th. 15.30 – 17.00
Convenor: Prof. Peter Vinden

IRG/WP 00-20197
Comparison of cubic and plug samples for preparation and data assembly in permeability study
I Usta

IRG/WP 00-40156
The effects of density on vertical variation of permeability of Sitka spruce within tree
I Usta

IRG/WP 00-40164
Studies of the ray parenchyma cell ends on the radial flow of Sitka spruce (Picea sitchensis)
I Usta

IRG/WP 00-40173
Analysing the characteristic role of moisture content for drying and fluid flow in Sitka spruce
I Usta

IRG/WP 00-40170
Treatability and natural durability of some lesser used or unused wood species of Bangladesh
K Akhter, M Younusuzzaman, M H Chowdhury

IRG/WP 00-40181
Microwave modification of wood properties: Improvements in wood permeability
G Torgovnikov, P Vinden

SCIENTIFIC PROGRAMME FOR SECTION 5
ENVIRONMENTAL ASPECTS

Main session
Wednesday May 17th. 08.00 – 09.30
Chairman : Mr. Antti Nurmi
Vice chairman: Dr. Gerard Deroubaix

IRG/WP 00-20195
Wood Durability in the Light of Recent Trends and Research on the Durability of Building Materials and Components
K Ödeen

IRG/WP 00-50xxx
Environmental Exposure to Wood Preservatives
R-D Peek (late paper, will be distributed later)

IRG/WP 00-50154
Waste management of wood products in Life Cycle Assessment
P Esser, P Eggels, A Voss

IRG/WP 00-50155
Management Strategies for the Disposal of CCA-treated wood
H M Solo-Gabriele, T Townsend

Joint WP 5:1 Life cycle assessment & WP 5:3 Waste management
Tuesday May 16th. 15.30 – 17.00
Convenor : Dr. Gerard Deroubaix

IRG/WP 00-50145
Bioprocessing Preservative-Treated Waste Wood
B L Illman, V W Yang, L Ferge

IRG/WP 00-50146
Properties of particleboard made from recycled CCA-treated wood
C A Clausen, S N Kartal, J Muehl

IRG/WP 00-50153
Leaching of Chromium and Other CCA Components from Wood-Cement Composites Made with Spent CCA-Treated Wood
D Qi, P A Cooper

WP 5:2 Leaching of wood preservatives and interactions with soil
Thursday May 18th. 13.30-15.00 and 15.30 – 17.00
Convenor : Prof. Dr. Rolf Peek

IRG/WP 00-30232
Effect of Compression Wood on Leaching of Chromium, Copper and Arsenic From CCA-C Treated Red Pine (*Pinus resinosa* Ait.)
S N Kartal, S Lebow

IRG/WP 00-50147
Changes of copper and chromium content after leaching in wood impregnated with the CCB and CB preservatives
B Mazela

IRG/WP00-50149
Leaching of copper, chromium and arsenic from CCA-treated Scots pine exposed in sea water
C J Brown, R A Eaton

IRG/WP 00-50150
Copper leaching from Kemwood ACQ and Embalit CBC treated wood products
P Esser, W Suitela, H Trompetter

IRG/WP 00-50151
Effect of humic acid on leaching of CCA from treated wood
P A Cooper, D Jeremic, J L Taylor, Y T Ung

IRG/WP 00-50152
Residual CCA levels in CCA treated poles removed from service
P Cooper, D Jeremic, J Taylor

IRG/WP 00-50157
Laboratory simulation of leaching from creosote treated wood in aquatic exposures
Y Xiao, J Simonsen, J J Morrell

IRG/WP 00-50159
The remaining concentration of inorganic wood preservative components in EN 252 stakes after ground contact
E Melcher, H-W Wegen

IRG/WP 00-50160
Leaching amount of wood preservatives from treated wood in different size during outdoor exposure for 6 months
K Yamamoto, S Motegi, A Inai

WP 5:4 Assessment of the impact of wood preservative use
Thursday May 18th . 10.00 – 12.00
Convenor : Prof. Dr. Rolf Peek

IRG/WP 00-50144
Ecotoxicological risks of anti-sapstain preservatives washed off from treated timber
G Aschacher, R Gründlinger

IRG/WP00-50148
Environmental situation on wood preservation industries in Bangladesh
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The difficult choice of the preservation industry when changing to more environmentally acceptable products
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Alternative methodology for the environmental impact assessment of treated wood: the wood emissions ecotoxicology
P Marchal, H W Wegen, J Van Acker, E Melcher, R D Peek, W J Homan, D Aston, D Rudolph, E Baines

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Environmental risk assessment of treated timber in service: an Environment focus group approach
G Deroubaix, G Labat, I Le Bayon, S Legay, P Marchal, C Yrieix, E Melcher, R-D Peek, S De Geyter, J Van Acker, W J Homan, D J Dickinson, R J Murphy, E D Suttie, A Nurmi, A-C Ritschkoff, D Rudolph, I Stephan, D Aston, E Baines, J B Simonin

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The proposal for the method of testing the phytotoxic effect of wood preservatives
J Wazny, P Witomski