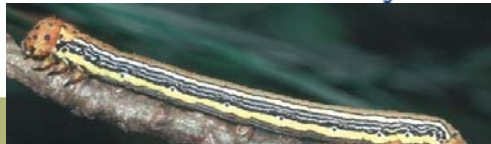




International Union of Forest Research Organizations



Newsletter: **IUFRO Research Group** **7.03.00, “Entomology”**

(Coordinator: Andrew Liebhold, US; Deputies:
Rene Alfaro, Canada; Alain Roques, France)

September, 2009



Upcoming IUFRO Entomology Meetings

- 27 September – 2 October, 2009 Jackson Hole, Wyoming, USA “Forest Insects and Environmental Change” (IUFRO Working Parties 7.03.05 Integrated Control of Scolytid Bark Beetles, 7.03.07 Population Dynamics of Forest Insects)
<http://www.usu.edu/beetle/IUFRO.htm> contact Barbara Bentz, bbentz@fs.fed.us, Diana Six, diana.six@umontana.edu
- 12-16 September, 2010, Eberswalde, Germany “Population dynamics, biological control, and integrated management of forest insects” (IUFRO working parties 7.03.06: Integrated management of forest defoliating insects 7.03.07 Population dynamics of forest insects, 7.03.13 Biological control of forest insects and pathogens - this is the inaugural event for the new 7.03.13 group) <http://www.forestinsects.org/iufro/eberswalde> contact Andreas Linde, alinde@fh-eberswalde.de
- 20-23 September, 2010 Baden-Württemberg, Freiburg/Breisgau, Germany, “Biotic Risks and Climate Change in Forests: Methodology of Forest Insect and Disease Survey in Central Europe” (IUFRO working party 7.03.10 – Methodology of forest insect and disease survey) Contact: Horst Delb, horst.delb@forst.bwl.de
- May 2011, Hammamet, Tunisia "Entomological Research in Mediterranean Forest Ecosystems" (7.03.14 "Entomological Research in Mediterranean Forest Ecosystems") contact Francois Lieutier francois.lieutier@univ-orleans.fr
- September, 2012, Palanga, Lithuania: Joint meeting of 7.03.01 "Cone and seed insects" WG and 7.03.04 "Diseases and insects in forest nurseries". Hosted by Rimvydas Vasaitis and Audrius Menkis, Lithuania. contact Michelle Cram, mgram@fs.fed.us, or Jean-Noel Candau, jean-noel.candau@avignon.inra.fr

- 2012, Melbourne, Australia (IUFRO Working Party 7.03.02) “Symposium on the Biology of Gall Inducing Arthropods” (more information to come...)

FORENT Connects Forest Entomologists



The FORENT listserv (email list) is a great tool for networking forest entomologists around the world. It is a place for announcing conferences, advertising graduate, postdoc and professional positions, recruiting collaborators, seeking specimens and a host of other uses. The listserv is open and free to all. FORENT is now hosted by IUFRO and information is at <http://lists.iufro.org/mailman/listinfo/rg70300-forent> ; there you can subscribe, unsubscribe, post messages and view archives. Please encourage your colleagues to subscribe so that they don't miss important information.

Upcoming IUFRO World Congress

The XXIII IUFRO World Congress “Forests for the Future: Sustaining Society and Environment” will be held 23-28 August 2010 in Seoul, Republic of Korea. Information about the Congress can be found at



<http://www.iufro2010.com> . At this site, you can submit an abstract, register for the Congress, make hotel reservations as well as perform other tasks. The IUFRO Scientist Assistance Program (SAP) offers delegates from developing countries financial assistance to participate in the IUFRO World Congress; applications can be filed at the Congress web site and are due 31 December, 2009.

In organizing the Congress in Korea, we are making a special attempt to elevate the scientific content of the meeting. This will not just be a meeting for research administrators, nor is it a compilation of IUFRO Working Party meetings; instead the Congress will focus on the exchange of cutting-edge research findings. To accomplish this, the Congress is organized into 9 “Themes”; we are very excited that one of the themes selected for the Congress focuses on our subject area, “Frontiers in Forest and Tree Health”. Under this theme, we have organized 19 sessions that focus on specific subjects of interest (listed below). You are invited to submit a title and abstract for an oral or poster presentation in any of these sessions, however we suggest that you contact the session organizer (listed below) before doing so. December 31, 2009 is the deadline for submitting abstracts.

G-01 Forest health in a changing environment

coordinators: Elena Paoletti (e.paoletti@ipp.cnr.it) & Mike Wingfield

G-02 New insights into roles of ophiostomatoid fungi in bark beetle-fungus symbioses

coordinators: Diana Six (diana.six@cfc.umt.edu) & Mike Wingfield

G-03 Effect of multiple ecosystem stressors on tree and forest ecosystem health

coordinator: Nancy Grulke (ngrulke@fs.fed.us)

G-04 The growing threat of Australian insect pests to world eucalyptus plantation forestry

coordinator: Simon Lawson (simon.lawson@dpi.qld.gov.au)

G-05 Synergy in forest threats: symbiotic interactions and invasives

- coordinator: Kier Klepzig (Kklepzig@fs.fed.us)
- G-06 Alien invasive pathogens: threats to forest ecosystem integrity and services
coordinators: Steve Woodward & Ned Klopfenstein (nklopfenstein@fs.fed.us)
- G-07 Impacts of interacting disturbances on forest health in the boreal zone
coordinator: Douglas McRae (DMcRae@NRCan.gc.ca)
- G-08 Invasive alien species: economic and environmental impacts on forest ecosystems
coordinator: David Langor (David.Langor@NRCan-RNCan.gc.ca)
- G-09 Semiochemical based monitoring of forest health
coordinator: Zhang Zhen (zhangzhen@caf.ac.cn)
- G-10 Trends in wood and bark borer invasions and effects of policy
coordinators: Eckehard Brockerhoff (Eckehard.Brockerhoff@scionresearch.com) & Robert Haack
- G-11 Molecular ecological and evolutionary perspectives on changing populations of forest insects and their symbionts
Session coordinator: Bernard Slippers (bernard.slippers@fabi.up.ac.za)
- G-12 Oak decline in the world
Session coordinator: Naoto Kamata (kamatan@uf.a.u-tokyo.ac.jp) & Kazuyoshi Futai
- G-13 Advances in exotic forest pest surveillance and monitoring
Session coordinator: Jon Sweeney (jsweeney@nrcan.gc.ca)
- G-14 Ecology and management of pine wood nematode in the face of climate change
Session coordinators: Yeong-jin (yjchung@foa.go.kr) Chung & Han Hyerim
- G-15 Cork Oak forest degradation causes and sustainable development in western Mediterranean countries
Session coordinators: Mohammed Nejib Rejeb (Rejeb.nejib@iresa.agrinet.tn), Abdelhamid Khaldi & Woo Su-Young
- G-16 Climate factors and tree susceptibility/resistance to insects and pathogens
Session coordinators: François Lieutier (francois.lieutier@univ-orleans.fr) & Dan Herms
- G-17 Managing cone and seed insects to preserve the regeneration of future forests
Session coordinator: Jean-Noël Candau (Jean-Noel.Candau@NRCan-RNCan.gc.ca)
- G-18 Diseases and insects in pines threatening global forest health in the 21st century
Session coordinators: Lee Kyung Joon (fraxinus@snu.ac.kr) & Kang Ho Duck
- G-19 Forest dieback caused by novel ambrosia beetle/Raffaelea pest complexes
Session coordinators: Kazuyoshi Futai (futai@kais.kyoto-u.ac.jp) & Naoto Kamata

Finally, plans are being made for a special 2-day post-conference forest health tour. As part of the tour, we would visit various forest stands for first-hand view of some of the important insect and disease problems in Korea. Additional information about the tour will be posted on the FORENT listserv.

Recent IUFRO Meetings:

30 August – 2 September, 2009, San Vito di Cadore - Cortina d'Ampezzo Dolomites, Italy. “Tree Resistance to Insects” (IUFRO Working Party 7.03.11). During the meeting, the “Varley Award” for outstanding contributions to forest entomology research was awarded to William Mattson of the USA.

9-14 August, 2009, Serra Do Cipó-MG, Brasil (“Symposium on the Biology of Gall Inducing Arthropods” http://www.icb.ufmg.br/big/leeb/galls/Gall_Workshop/Index.html (IUFRO Working Party 7.03.02)

12-17 July, 2009, Hilo Hawaii, USA – “Diseases and Insects in Forest Nurseries” (IUFRO Working Party 7.03.04 Diseases and Insects in Forest Nurseries)

16-20 March 2009 – “International Forest Biosecurity Conference” Rotorua, New Zealand <http://forestbiosecurity.com> (IUFRO Divisions 1, 7 and 8). Web site includes abstracts of each presentation. A special issue of the New Zealand Journal of Forestry Science will publish selected papers presented during the conference

15–19 September, 2008, Strbske Pleso (High Tatras), Slovakia, “Methodology of Forest Insect and Disease Survey in Central Europe”, (IUFRO working party 7.03.10 – “Methodology of Forest Insect and Disease Survey in Central Europe) <http://www.nlcsk.org/LOS/IUFRO2008.html>

1–3 December 2008, Kuala Lumpur, Malaysia “Forest Health in a Changing World” (IUFRO working party 7.03.08 – Forest protection in Northeast Asia) <http://apfisn.net/content/forest-health-changing-world-kuala-lumpur-malaysia-1-3-december-2008>



Field trip to a maritime pine stand destroyed by the pinewood nematode during the 7.03.14 conference "Entomological Research in Mediterranean Forest Ecosystems" in Portugal (29 April– 5 May, 2008).

25–28 August 2008, Umeå, Sweden "Adaptation of Forests and Forest Management to Climate Change with Emphasis on Forest Health – Review of Science, Policies, and Practices"(IUFRO Division 7 Forest Health) www.forestadaptation2008.net

30 June - 5 July, 2008, "Recent Advances in Forest Insect Science", Pretoria, South Africa <http://www.fabinet.up.ac.za/iufro703/index> (IUFRO Research Group 7.03.00, "Entomology") (this was a satellite meeting to the International Congress of Entomology)

5-9 May 2008 Estoril, Portugal, “Entomological Research in Mediterranean Forest Ecosystems” (7.03.14 "Entomological Research in Mediterranean Forest Ecosystems") A symposium on “Entomological Research in Mediterranean Forest Ecosystems” <http://www.iufro.org/download/file/2607/2682/70300-portugal08-report.doc>

26-30 May, 2008. Shepherdstown, West Virginia, USA "Alien Invasive Species and International Trade" (IUFRO working party 7.03.12 Alien Invasive Species and International Trade) <http://www.forestresearch.gov.uk/fr/INFD-7GVAZT>



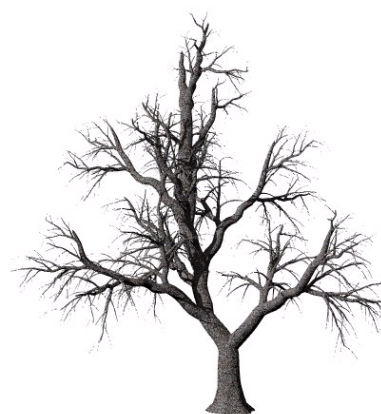
Professor Mike Wingfield lecturing to attendees in a *Eucalyptus* stand devastated by Cossid moths during the 7.03.00 conference "Recent Advances in Forest Insect Science", Pretoria, South Africa, 30 June - 5 July, 2008



Group photo from recent 7.03.04 meeting July, 2009, Hilo Hawaii, USA – “Diseases and Insects in Forest Nurseries”

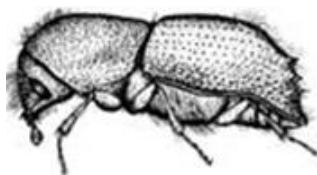
Online Photo Galleries

IUFRO Division 7 coordinator Mike Wingfield has established an online gallery of photos of forest entomologists and pathologists. The online gallery is hosted by the Forest and Agricultural Biotechnology Institute (FABI) server and can be viewed at <http://www.fabinet.up.ac.za/fpepg> If you have photos of forest entomologists or pathologists that you would like to share with others, please send them along to Mike.Wingfield@fabi.up.ac.za .



The site <http://www.forestpests.org> is an invaluable site for photographs of forest insects and diseases as well as their damage and control. This photo collection includes images of species from around the world; contributions of additional photos are welcome. The associated site <http://www.bugwoodnetwork.org> provides additional information for many of these species. For more information contact Keith Douce kdouce@uga.edu

Who we are



The International Union of Forest Research Organizations (IUFRO) is a non-profit, non-governmental international network of forest scientists. Its objective is to promote international cooperation in forestry and forest products research. It accomplishes this via a global network for forest science cooperation. IUFRO unites more than 15,000 scientists in almost 700 Member Organizations in over 110 countries. Scientists cooperate in IUFRO on a voluntary basis. Much of that cooperation takes the form of participation in IUFRO meetings.

IUFRO is organized into eight Divisions, one of those being Division 7, “Forest Health”. Within Division 7 are three Research Groups:

- 7.01.00, “Impacts of air pollution and climate change on forest ecosystems”
- 7.02.00, “Pathology”
- 7.03.00, “Entomology”

Within 7.03.00 are 11 Working Parties:

- 7.03.01 – “Cone and seed insects”
- 7.03.02 – “Gall-forming insects”
- 7.03.04 – “Diseases and insects in forest nurseries”
- 7.03.05 – “Integrated control of scolytid bark beetles”
- 7.03.06 – “Integrated management of forest defoliating insects”
- 7.03.07 – “Population dynamics of forest insects”
- 7.03.08 – “Forest protection in Northeast Asia”
- 7.03.09 – “Protection of forests in the tropics”
- 7.03.10 – “Methodology of forest insect and disease survey”
- 7.03.11 – “Resistance to insects”
- 7.03.12 – “Alien invasive species and international trade”
- 7.03.13 – “Biological control of forest insects and pathogens”
- 7.03.14 – “Entomological Research in Mediterranean Forest Ecosystems”

Working parties form the ‘heart’ of IUFRO because it is at working party meetings where most scientists participate in the organization. These meetings are typically small (20-100 attendees) allowing participants to directly interact in depth. Each meeting is unique, being held in a different country, addressing a different theme, and often sponsored by multiple working parties.

How can I participate in IUFRO?

Anybody may participate in IUFRO via attending and/or presenting at IUFRO meetings. Membership is not necessary. Most scientists that are members of IUFRO attain membership via the membership of their research institute though personal membership is also available. Information about IUFRO membership is available at <http://www.iufro.org/membership> . Institutions that are members of IUFRO receive IUFRO newsletters and other information that allows scientists to keep abreast of plans for future meetings. This information is also available from the IUFRO web pages.

