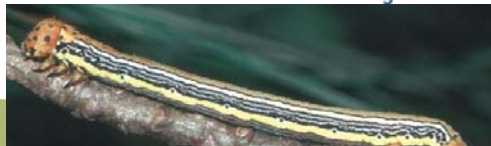




International Union of Forest Research Organizations



Newsletter: **IUFRO Research Group** **7.03.00, "Entomology"**

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

July, 2007



FORENT email list



We encourage all forest entomologists to subscribe to the forest entomology listserv, FORENT because this is where all IUFRO meetings and other matters are announced. Subscription to FORENT and FORPATH is open to all and can be obtained by emailing a request to Dale Berghdahl at dale.berghdahl@uvm.edu. Include the following information in your request: name, mailing address, telephone number, fax number, e-mail address. The location and format of FORENT will likely change sometime in the next few years so stay tuned for updates.

Upcoming IUFRO Entomology Meetings

- 9 - 14 September, 2007 – "Forest insects, bark beetles and their natural enemies: from individual to populations" (IUFRO 7.03.05, 7.03.06 and 7.03.07), Vienna, Austria
<http://www.wabo.boku.ac.at/7512.html?&L=1> Contact: Rudolf Wegensteiner, rudolf.wegensteiner@boku.ac.at
- 20 - 25 September, 2007, "International Workshop on Biological Control of Invasive Species of Forests in the United States and P. R. China", Beijing, China, (IUFRO 7.03.08),
<http://svinetfc2.fs.fed.us/biocontrol> Contact: Zhong-qi Yang, yangzq@caf.ac.cn, or Yun Wu, [yuwu@fs.fed.us](mailto:ywu@fs.fed.us)
- May 26-30, 2008. Shepherdstown, West Virginia, USA "Alien Invasive Species and International Trade" (7.03.12) contact: Kerry Britton, kbritton01@fs.fed.us
- 30 June - 5 July, 2008, "Recent Advances in Forest Insect Science" (IUFRO Research Group 7.03.00, "Entomology"), Pretoria, South Africa
<http://www.fs.fed.us/ne/morgantown/4557/iufro> (this is a satellite meeting to the

International Congress of Entomology) contact: Mike Wingfield (mike.wingfield@fabi.up.ac.za), Bernard Slippers (bernard.slippers@fabi.up.ac.za), or Andrew Liebhold (aliebhold@fs.fed.us)

- 25 - 28 Aug, 2008, IUFRO Inter-Divisional meeting, - “Adaptation of Forests and Forest Management to Climate Change”, Umeå, Sweden - organizers: IUFRO Division 1, Swedish University of Agricultural Sciences (SLU), contact Björn Hånell, bjorn.hanell@sso.slu.se
- 15 – 19 September, 2008, Meeting of IUFRO Unit 7.03.10 – “Methodology of Forest Insect and Disease Survey in Central Europe”, Strbske Pleso (High Tatras), Slovakia, Contact persons: Andrej Kunca - kunca@nlcsk.org and coordinators of the IUFRO Unit 7.03.10
- September, 2009, Italy. meeting of 7.03.11 “Resistance to Insects” (precise date and location to be determined)

International Congress of Entomology

The International Congress of Entomology will be held 6 - 12 July, 2008 in Durban, South Africa. Nine symposia have been organized under the Forest Entomology section and they are listed below. Also, a special pre-conference forest entomology satellite meeting will be held in Pretoria the week prior to the meeting. See

<http://www.fs.fed.us/ne/morgantown/4557/iufro> for

information and please fill-out and submit an information card to receive more information. We encourage you to

attend both the ICE and IUFRO meetings which will provide

unique opportunities to meet and network with the international forest entomology community.



SECTION 4		FOREST ENTOMOLOGY	
Convenors		Andrew Liebhold, USDA Forest Service, USA Michael J. Wingfield, Forestry and Agricultural Research Institute (FABI), RSA Dan Robison, North Carolina State University, USA	
Symposium Organisers		No.	Symposium Titles
Daniel Doucet (Canada) & Qili Feng (China)		4.1	Forest entomology in the era of genomics and post-genomics
Diana Six (USA) & Bernard Slippers (RSA)		4.2a	Consequences of environmental change and globalization on insect-microbe symbioses: anthropogenic effects on symbioses
Naoto Kamata (Japan).& Jean-Claude Grégoire (Belguim)		4.2b	Consequences of environmental change and globalization on insect-microbe symbioses: ambrosia beetles as affected by environmental factors
Francois Lieutier (France) Timothy Paine (USA) & Kier Klepzig (USA)		4.3	Mediation of tree-insect interactions by micro-organisms
Joseph Elkinton (USA), Nancy Gillette (USA) & Bernard Slippers (RSA)		4.4	Use of molecular techniques to identify and to trace the origin and spread of invasive forest insects
John Spence (Canada), Jari Niemelä (Finland) & Johan Kotze (RSA).		4.5	Ecological and conservation implications of linkage between arthropod biodiversity and forestry practices
Patrick Tobin (USA), Brian Aukema (Canada) & Hugh Evans, United Kingdom, Jean-Claude Grégoire (Belguim)		4.6	Insect invasion dynamics in forest ecosystems
Lynne Rieske-Kinney (USA).		4.7	Interacting roles of silviculture and genetically based resistance in forest insect outbreaks
Fred Stephen (USA) & Robert Coulson (USA)		4.8	Impacts of insects on forest landscapes: implications for forest health management

Recent IUFRO Meetings:

- 3-7 July, 2006 -, "Alien Invasive Species and International Trade" Radom, Poland – (7.03.12) <http://www.forestresearch.gov.uk/fr/INFD-6J7FHC>
- 11-14 September, 2006, - "Methodology of Forest Insect and Disease Survey in Central Europe" (7.03.10) Ort/Gmunden, Austria
- 21 September, 2006 – “Symposium on Tree Resistance to Insects and Related Pathogens” (7.0.3.11), European Congress of Entomology Izmir, Turkey.
- 21 September, 2006 – “Symposium on Cone and Seed Insects” (7.03.01), European Congress of Entomology Izmir, Turkey
- 23-27 October, 2006 – “Forest Health” / “Sanidad Forestal” (7.02.00, 7.03.00), during “II Congreso Latinoamericano IUFRO: Bosques – La Creciente importancia de sus funciones ambientales, sociales y economicas”, La Serena, Chile
<http://www.iufro.org/science/divisions/division-6/60000/60300/60304/activities/segundo-congreso>



Field trip to aforestation site during II Congreso Latinoamericano IUFRO, Chile

- 9-16 May 2007 “International *Sirex* Woodwasp Symposium and Workshop”, Pretoria and Pietermaritzburg, South Africa
<http://www.fabinet.up.ac.za/sirex/index>

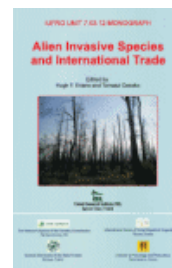




Recent group photo from International *Sirex* Symposium in South Africa

Recent proceedings (contact WP leaders for a copy):

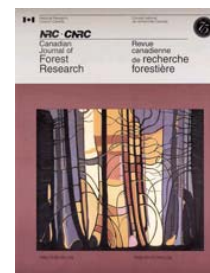
- Evans, H.F. and T. Oszako, editors. 2007. Alien Invasive Species and International Trade. Polish Forest Research Institute, Warsaw, Poland. [http://www.forestresearch.gov.uk/pdf/IUFRO_0706_programme.pdf/\\$FILE/IUFRO_0706_programme.pdf](http://www.forestresearch.gov.uk/pdf/IUFRO_0706_programme.pdf/$FILE/IUFRO_0706_programme.pdf)
- Cobbinah, J.R., D.A. Ofori, and P.P. Bosu. 2006. Pest Management in Tropical Plantations: International Workshop Proceedings (Powerpoint presentations) (7.03.09) University Printing Press, KNUST, Kumasi, Ghana
- N. Kamata, N., A.M. Liebhold, D.T. Quiring, and K.M. Clancy. 2006. Proceedings: "Forest Insect Population Dynamics and Host Influences", Joint meeting of IUFRO working groups 7.01.02 Tree Resistance to Insects, 7.03.06 Integrated management of forest defoliating insects and 7.03.07 Population dynamics of forest insects, September 2003, Kanazawa, Japan. Published by Kanazawa University. Also available on the internet at: <http://kamatan.uf.a.u-tokyo.ac.jp/symp/iufro2003kanazawa/proceedings>
- Csóka, György, G., A. Hika and A. Koltay. 2006. "Biotic damage in forests" meeting of IUFRO WP 7.03.10, Matrafured, Hungary, Sept., 2004. Published as CD by Hungarian Forest Research Institute ISBN 963 7349 31 6.
- J.R. Cobbinah, D.A. Ofori and P.P. Bosu (2006). Proceedings: Pests Management in Tropical Plantations. Joint meeting of WP 7-03-09 (Protection of Forests in the Tropics) and WP 7.03-11 (Resistance to Insects). July 21-23, 2004. Published by Kwame Nkrumah University of Science and Technology.
- Lilja, A. J.R. Sutherland, M. Poteri and C. Mohanan (eds.) 2005. Diseases and insects in forest nurseries –Proceedings of the Fifth Meeting of IUFRO Working Party WP 7.03.04, May 6-8, 2003, at Peechi, Kerala, India. Working papers of the Finnish Forest Research



Institute web site: Working Papers of the Finnish Forest Research Institute 11. 93 p. ISBN 951-40-1965-2.

<http://www.metla.fi/julkaisut/workingpapers/2005/mwp011.htm>

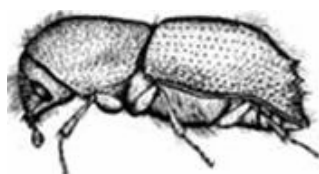
- Brockerhoff, E.G., A.M. Liebhold, H. Jactel, editors. "The Ecology of Forest Insect Invasions and Advances in Their Management" Special Section, *Canadian Journal of Forest Research* Vol. 36, No. 2, pages 263-375. http://pubs.nrc-cnrc.gc.ca/cgi-bin/rp/rp2_tocs_e?cjfr_cjfr2-06_36



Recent Policy recommendation on invasive species developed by 7.03.12

At its inaugural meeting in Poland in July 2006, IUFRO Unit 7.03.12, Alien Invasive Species and International Trade", endorsed a pathway approach for providing the scientific background and advice to regulators concerned with preventing movement of pests with live plants. This approach is similar to the regulations on wood packaging material recently adopted by the International Plant Protection Convention (IPPC). Best management practices effective at preventing known pests will significantly reduce the risk of introducing unknown pests as well. A committee formed within 7.03.12 outlined these recommendations in a recent concept paper: "Recommendation of a Pathway Approach for Regulation of Plants for Planting" at [http://www.forestresearch.gov.uk/pdf/IUFRO_Plants_for_Planting_Concept_Paper.pdf/\\$FILE/IUFRO_Plants_for_Planting_Concept_Paper.pdf](http://www.forestresearch.gov.uk/pdf/IUFRO_Plants_for_Planting_Concept_Paper.pdf/$FILE/IUFRO_Plants_for_Planting_Concept_Paper.pdf)

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"

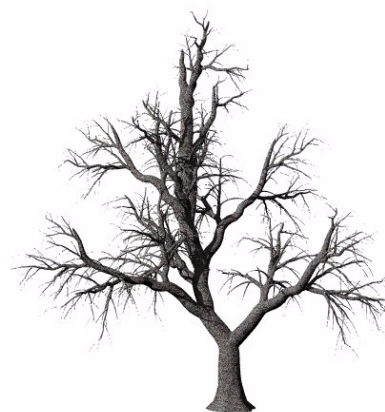
Within 7.03.00 are 11 Working Parties:

- 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"

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 working party meeting is unique, being held in a different country, focusing on a different theme, and often sponsored by multiple working parties. (see section at the end of this newsletter on how to contact working party leaders).

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.



Leaders of IUFRO Entomology Research Group

7.03.00 - Entomology

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7.03.05 – Integrated control of scolytid bark beetles

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7.03.06 – Integrated management of forest defoliating insects

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7.03.07 – Population dynamics of forest insects

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7.03.08 – Forest protection in Northeast Asia

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7.03.09 – Protection of forests in the tropics

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7.03.11 – Resistance to insectsCoordinator:

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