



## IUFRO Work Group 7.03.13

### Biological Control of Forest Insect Pests and Pathogens

(all activities at Future Africa, unless indicated otherwise)

<b>5 November</b>	
17:00 - 18:00	<b>Registration</b>
18:00 - 21:00	Welcome Reception
<b>6 November</b>	
	<b>Breakfast served from 07:00</b>
08:00 - 08:30	<b>Registration and tea/coffee</b>
08:30 - 08:45	<b>Welcome and arrangements</b> <u>Brett Hurley</u> , Organizer
08:45 - 09:00	<b>Introduction to IUFRO</b> <u>Marc Kenis</u> , Organizer
09:00 - 09h25	<b>Introduction to your hosts: FABI and Future Africa</b> <u>Bernard Slippers</u> , Director: FABI & Founding Director: Future Africa
09h25 - 09h50	<b>Forestry and forest research in South Africa</b> <u>Michael Peter</u> , Forestry South Africa
09h50 - 10h30	<b>Keynote address</b> <u>Tim Paine</u> , University of California-Riverside: <i>Successes, failures, and economics of biological control of invasive insects in California urban forests</i>
10:30 - 11h00	<b>Tea/coffee</b>

11:00 - 13:00	<p><b>Technical session – Classical biological control</b></p> <ul style="list-style-type: none"> <li>• <u>Juan Corley</u>: <i>Forest insect population ecology and classical biological control</i></li> <li>• <u>Lukas Seehausen</u>: <i>Factors affecting the success of biological control introductions in Europe</i></li> <li>• <u>Peter Kiwuso</u>: <i>Biological control of key insect pests of forestry importance in Uganda</i></li> <li>• <u>Gonzalo Martinez</u>: <i>The long way of biological control of forestry insect pests in Uruguay</i></li> <li>• <u>Carlos Wilcken</u>: <i>Leptocybe invasa biological control program in Brazil: An update</i></li> <li>• <u>Caitlin Gevers</u>: <i>Understanding the parasitoid community of the gall wasp Leptocybe invasa (Hymenoptera: Eulophidae) in South Africa</i></li> </ul>
13:00 - 14:00	<p><b>Lunch</b></p>
14:00 - 15:40	<p><b>Technical session – Classical biological control (foll.)</b></p> <ul style="list-style-type: none"> <li>• <u>Leonardo Barbosa</u>: <i>Thaumastocoris peregrinus biocontrol in Brazil: Achievements and new challenges</i></li> <li>• <u>Ngoc Hoan</u>: <i>An under-recognised achievement of Australian parasitoids: New data confirms occurrence of Megastigmus zvimendeli in China, India, Israel and Kenya</i></li> <li>• <u>Catarina Afonso</u>: <i>Enhancing control of Gonipterus platensis in Portugal: first steps towards a classical biological control program with a larval parasitoid</i></li> <li>• <u>Dimitrios Avtzis</u>: <i>Invasion of the Giant pine scale in Australia – how far away is the answer to this problem?</i></li> <li>• <u>Mathias Justesen</u>: <i>Biological control of the Christmas tree adelgid Dreyfusia nordmanniana in Denmark</i></li> </ul>
15:40 - 16:00	<p><b>Tea/coffee</b></p>
16:00 - 18:00	<p><b>Tour of FABI</b></p>
18:00 - late	<p><b>Dinner @ FABI</b></p>
<b>7 November</b>	
	<p>Breakfast served from 07:00</p>
08:30 - 09:10	<p><b>Keynote address</b>  Maartje Klapwijk, SLU: <i>On the interplay between direct interactions and associational effects; Embedding ecology in forest management</i></p>

09:10 - 10:30	<p><b>Technical session - Forest and tree pests in Africa</b></p> <ul style="list-style-type: none"> <li>• <u>Ignazio Graziosi</u>: <i>Pests and diseases of trees in Africa: A review of a growing emergency</i></li> <li>• <u>Paul Bosu</u>: <i>Status, trends and impacts of forest and tree pests in West and Central Africa</i></li> <li>• <u>Eston Mutitu</u>: <i>Seasonal variation and population dynamics of the winter bronze bug in Kenya's Eucalyptus planted forests</i></li> <li>• <u>Privilege Makunde</u>: <i>A review on the threat of lerp psyllids to eucalypt plantations in South Africa</i></li> </ul>
10:30 - 11:00	<p><b>Tea/coffee</b></p>
11:00 - 13:00	<p><b>Technical session – Entomopathogens, nematodes and insects as augmentative biological control</b></p> <ul style="list-style-type: none"> <li>• <u>Agil Katumanyane</u>: <i>Entomopathogenic nematodes for the biocontrol of white grubs in forestry and sugarcane plantations</i></li> <li>• <u>Katrin Fitz</u>: <i>From exploring to utilizing the global genetic diversity of the biological control agent Deladenus siricidicola</i></li> <li>• <u>Firehiwot Eshetu</u>: <i>Unravelling the population genetic diversity, structure and introduction history of the biocontrol nematode Deladenus siricidicola in Australia and New Zealand</i></li> <li>• <u>Brett Hurley</u>: <i>Long-term dissections reveal drivers of biocontrol nematode parasitism in the European woodwasp, Sirex noctilio</i></li> <li>• <u>Michelle Schröder</u>: <i>Development of release methods for augmentative biological control of Anaphes nitens</i></li> <li>• <u>Wondafrash Mesfin</u>: <i>Parasitoid assemblage associated with a North American pine weevil in South Africa</i></li> </ul>
13:00 - 14:00	<p><b>Lunch</b></p>
14:00 - 15:30	<p><b>Tour of FABI Biocontrol Centre</b></p>
15:30 - 16:00	<p><b>Tea/coffee</b></p>
16:00 - 17:00	<p><b>Technical session – Biological control of pathogens and nematodes</b></p> <ul style="list-style-type: none"> <li>• <u>Alberto Santini</u>: <i>Is it possible to control Dutch elm disease?</i></li> <li>• <u>Simone Prospero</u>: <i>Artificial biological control of Chestnut blight – Experiences from Switzerland</i></li> <li>• <u>Yong-Xia Li</u>: <i>Pine wilt disease in China</i></li> </ul>
18:00 - late	<p><b>Banquet Dinner @Future Africa</b></p>

## 8 November

	<b>Breakfast served from 07:00</b>
08:30 - 10:10	<b>Technical session – Future of biological control</b> <ul style="list-style-type: none"><li>• <u>Bernard Slippers</u>: <i>The influence of genetic diversity on biological control</i></li><li>• <u>Joséphine Queffelec</u>: <i>The bacterial symbiont, Wolbachia, and its potential as biocontrol agent against the invasive wasp, Sirex noctilio</i></li><li>• <u>Nicholas Kagimu</u>: <i>The potential of using metabolites of entomopathogenic nematode associated bacteria Xenorhabdus and Photorhabdus for the control of forest insect pests</i></li><li>• <u>Jeremy Allison</u>: <i>Considerations of the interface of chemical ecology and biological control</i></li><li>• <u>Marc Kenis</u>: <i>Not a single talk on conservation biological control. What have we missed?</i></li></ul>
10:10 - 10:30	<b>Closing of meeting</b> Brett Hurley
10:30 - 11:00	<b>Tea/coffee</b>
11:00	<b>Post-meeting field trip departs (optional)</b>



Keeping Trees Healthy!