

Program		
Tuesday, 15th Oct. 2013 Opening Ceremony		
08:45 - 10:00	Registration; Forum of the Thünen-Institute	
10:00 - 10:15	<i>T. Schröder</i>	Welcome by the coordinator of IUFRO unit 7.02.10 Pine Wilt Disease
10:15 - 10:35	<i>G. Backhaus</i>	Welcome and opening of the conference by the President of the Julius Kühn-Institut (JKI)
10:35 - 10:45	<i>F. Feldmann</i>	Welcome by the managing director of The German Scientific Society for Plant Protection and Plant Health
10:45 - 10:55	<i>H. Evans</i>	Welcome by the coordinator of the European Union Research Project "REPHRAME"
10:55 - 11:05	<i>T. Schröder</i>	Introduction in Conference and organizing issues
11:05 – 11:30	Group Photo and Coffee Break	
Session 1: Insect Vector		
Chairperson: Thomas Schröder		
11:30 – 11:50	<u><i>Martin SCHROEDER</i></u>	Sampling strategies for <i>Monochamus sutor</i> – a potential vector of the pine wood nematode (103)
11:50 – 12:10	<u><i>Julien HARAN,</i></u> <i>Alain ROQUES,</i> <i>Géraldine ROUX</i>	Assessing potential expansion of the Pine Wood nematode (<i>Bursaphelenchus xylophilus</i>) from the spatial genetic structure of the vector (<i>Monochamus galloprovincialis</i>) (107)
12:10 – 12:30	<u><i>Gonzalo ÁLVAREZ,</i></u> <i>Estela SÁNCHEZ,</i> <i>Iñaki ETXEBESTE,</i> <i>Diego GALLEGO,</i> <i>Juan PAJARES</i>	Effective traps for live trapping of PWN vectors <i>Monochamus</i> spp. (134)
12:30 – 12:50	<u><i>Hervé JACTEL</i></u>	Effective attraction radius of pheromone traps for <i>Monochamus galloprovincialis</i> (172)
12:50 – 14:00	Lunch	

Continue Tuesday 15th Oct. 2013		
Session 1: Insect Vector		
Chairperson: Juan Pajares		
14:00 – 14:20	<u>Iñaki ETXEBESTE</u> , Gonzalo ÁLVAREZ, Estela SÁNCHEZ, Juan PAJARES	<i>Monochamus galloprovincialis</i> dispersal and the effective sampling area of operational traps (123)
14:20 – 14:40	<u>Guillaume DAVID</u> , Hervé JACTEL, Dominique PIOU, Pedro NAVES, Edmundo de SOUSA	Flight performances of <i>Monochamus galloprovincialis</i> , insect vector of the Pine Wood nematode (149)
14:40 – 15:00	<u>Christelle ROBINET</u> , Guillaume DAVID, Dominique PIOU, Alain ROQUES, Hervé JACTEL	Simulating the dispersal of <i>Monochamus galloprovincialis</i> based on its flight mill performance and testing several management scenarios (110)
15:00 – 15:20	H. MAS, R. HERNÁNDEZ, M. VILLAROYA, <u>G. SÁNCHEZ</u> <i>et. al</i>	Dispersal behavior and long distance flight capacity of <i>Monochamus galloprovincialis</i> (Olivier 1795) (170)
15:20 – 15:40	<u>Fabio CHINELLATO</u> , Mauro SIMONATO, Andrea BATTISTI, Massimo FACCOLI, Scott HARDWICK, Max SUCKLING	Smart-traps combined with molecular on-site detection to monitor <i>Monochamus</i> spp. and associated pine wood nematode (152)
15:40 – 16:00	Coffee Break	
Session 1: Insect Vector		
Chairperson: Hervé Jactel		
16:00 – 16:20	<u>E. Sanchez HUSILLOS</u> , Iñaki Etxebeste, G. Alvarez BAZ, Juan PAJARES	Physiological development of <i>Monochamus galloprovincialis</i> immature adults through shoot feeding (133)
16:20 – 16:40	<u>Celia K BOONE</u> , Jean-C. GRÉGOIRE, Nick BERKVENS, Hans CASTEELS, Nicole VIAENE	Detection of exotic <i>Monochamus</i> spp. in Belgium - testing the tools in the areas of origin (130)
16:40 – 17:00	<u>Mehmet DAYI</u> , Süleyman AKBULUT	Preliminary results of potential vector species of <i>Bursaphelenchus</i> spp. (Nematoda:Parasitaphelenchidae) in Turkey (125)

Continue Tuesday 15th Oct. 2013	
Session 1: Insect Vector	
Chairperson: Hervé Jactel	
17:00 – 17:20	Final Discussion Insect Vector
17:30	Bus transfer to hotel
19:00	Guided Tour Braunschweig Start from Tourist Information Address: Vor der Burg 1 (in front of the cathedral) Distance: 10 min from “Best Western Hotel”; 1 min from “Deutsches Haus”

Wednesday 16th October 2013	
Field trip National Park Harz	
07:30	Departure Hotel by bus
09:00	Field Trip National Park Harz <ul style="list-style-type: none"> • Silvicultural concept in the National Park • Forest Protection • Game Management <i>Sabine MANÉ¹</i> <i>Christian LUX¹</i> <i>Michael HABERMANN²</i> <i>Melanie KIRCHHÖFER²</i>
12:00 – 13:30	Lunch at „Bavaria Alm“
13:30 – 16:00	Continue Field Trip <ul style="list-style-type: none"> • “Strolling-through-the-forest”-path! • continental raised bog <i>Sabine MANÉ¹</i> <i>Christian LUX¹</i> <i>Michael HABERMANN</i> <i>Melanie KIRCHHÖFER²</i>
16:00 – 17:00	Bus transfer to city of Goslar
17:00 – 18:30	Guided tour in the world heritage site city of Goslar
18:30 – 22:00	Dinner in the Kennel of Goslar

¹ Mangament Nationalpark Harz; <http://www.nationalpark-harz.de/en/>

² North-West-German Forest Research Center, Department Forest Protection
(<http://www.nw-fva.de/>)

Thursday 17th Oct. 2013		
Session 2: Systematic and diagnostics		
Chairperson: Géraldine Roux		
09:00 – 09:20	<u>Anne-Marie CHAPPE,</u> <u>Géraldine ANTHOINE</u>	Validation of a real time PCR assay for the detection of <i>Bursaphelenchus xylophilus</i> in targeted matrices in the framework of national survey (114)
09:20 -09:40	<u>Renske LANDEWEERT,</u> <u>Paul MOOIJMAN,</u> <u>Winfried MULDER,</u> <u>Sven VAN DEN ELSEN,</u> <u>Johannes HELDER,</u>	Molecular detection of <i>B. xylophilus</i> in complex DNA backgrounds (112)
09:40 – 10:00	<u>Ye, WEIMIN,</u> <u>Robin M. GIBLIN-DAVIS</u>	Pine-Wood nematode assay and development of real-time PCR for species identification in North Carolina department of agriculture & consumer services (159)
10:00 – 10:20	<u>Isabel LEAL,</u> <u>Eric ALLEN,</u> <u>Jennifer ANEMA,</u> <u>Brett FOORD,</u> <u>Caralyn REISLE,</u> <u>Adnan UZUNOVIC,</u> <u>Aniko VARGA,</u> <u>Delano JAMES</u>	Development of a reverse transcription loop-mediated isothermal amplification (RT-LAMP) method to detect living pinewood nematode, <i>Bursaphelenchus xylophilus</i> , in wood (100)
10:20 – 10:40	<u>Géraldine ANTHOINE</u>	EUPHRESCO project - <i>Bursaphelenchus xylophilus</i> , early detection methods (115)
10:40 – 11:00	Coffee Break	
Session 3: PWN in international trade, pathways and phytosanitary treatments		
Chairperson: Hugh Evans		
11:00 – 11:20	<u>Simone PROSPERO,</u> <u>Janina POLOMSKI,</u> <u>Daniel RIGLING</u>	Occurrence and distribution of <i>Bursaphelenchus</i> species in Switzerland (119)
11:20 – 11:40	<u>Luís FONSECA,</u> <u>José SANTOS,</u> <u>Hartmut NESTLER,</u> <u>Joaquim VERDASCA,</u> <u>Rui OLIVEIRA,</u> <u>Isabel ABRANTES,</u> <u>Clara SERRA</u>	Coniferous bark hot steam treatment for the elimination of the pinewood nematode (146)
11:40 – 12:00	<u>Andrea HOPE,</u> <u>Thomas SCHRÖDER</u>	Non vector spread of <i>Bursaphelenchus xylophilus</i> via wood chips (155)

Continue Thursday 17th Oct. 2013		
Session 3: PWN in international trade, pathways and phytosanitary treatments		
Chairperson: Hugh Evans		
12:00 – 12:20	<i>L. BONIFÁCIO, M. L. INÁCIO, E. SOUSA, S. BUCKLEY E. M. THOMS</i>	Complementary studies to validate the proposed fumigation schedules of sulfuryl fluoride for inclusion in ISPM No. 15 for the eradication of pine wood nematode (<i>Bursaphelenchus xylophilus</i>) from wood packaging material (135)
12:20 – 12:40	<i>Thomas SCHRÖDER, Johannes WELLING, C. Aukamp-TIMMRECK</i>	Efficacy of kiln drying as phytosanitary treatment against wood borne nematodes (156)
12:40 – 13:40	Lunch	
Session 4: PWN interactions with bacteria		
Chairperson: Manuel Mota		
13:40 – 14:00	<i>O.A. KULINICH, E.N.ARBUZOVA, U.Sh. MAGOMEDOV, N.I.KOZYREVA, E.S. MAZURIN, M.S. KOLYCHIKHINA, A.Yu RYSS.</i>	Recent Research on Pine Wilt Disease in Russia (116)
14:00 – 14:20	<i>Jiajin TAN, Hongye Qu, Dejun HAO, Fengmao CHEN</i>	Inoculation Effects of <i>Pinus thunbergii</i> with <i>Bursaphelenchus xylophilus</i> and Two Bacterium Strains of <i>Bacillus firmus</i> (141)
14:20 – 14:40	<i>Cláudia S. L. VICENTE, Yoriko IKUYO, Manuel MOTA, Koichi HASEGAWA</i>	<i>Bursaphelenchus xylophilus</i> and associated bacteria under oxidative stress conditions (104)
14:40 – 15:00	<i>Paula V. MORAIS, Diogo Neves PROENÇA, Gabriel PAIVA, Romeu FRANCISCO, Paula VERISSIMO, Luís FONSECA Isabel M.O. ABRANTES</i>	Diversity and in vitro nematicidal activity of bacteria associated to pinewood nematode (161)

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Session 4: PWN interactions with bacteria	
Chairperson: Manuel Mota	
15:00 – 15:20	<p><i>Cláudia S. L. VICENTE,</i> <i>F. X. NASCIMENTO,</i> <i>Margarida ESPADA,</i> <i>Pedro BARBOSA,</i> <i>Koichi HASEGAWA,</i> <i>Manuel MOTA,</i> <i>Solange OLIVEIRA</i></p> <p>Natural bacterial communities associated with the pine sawyer beetle <i>Monochamus galloprovincialis</i> (105)</p>
15:20 – 15:40	Final Discussion
15:40 – 16:00	Coffee break
Postersession and side events	
Conference banquet	
16:00 – 19:00	Poster session
16:00 – 17:00	<i>Thomas SCHRÖDER</i> IUFRO unit PWD management meeting
17:00 – 18:00	<i>Geraldine ANTHOINE</i> EUPHRESCO meeting
19:00 – 21:00	Conference banquet
21:10	Departure by bus to hotel

Friday 18th Oct. 2013		
Session 5: PWD management and contingency planning		
Chairperson: Edmundo Sousa		
09:00 – 09:20	<u>Katsunori NAKAMURA</u> , Noritoshi MAEHARA, Takuya AIKAWA, Yu ICHIHARA, Hajime KOSAKA, Etsuko KAGAYA, Hisahsi SUGITA, Takashi MASAKI, Koki KIMURA, Jun-ichi KON, Tomonori KANEKO	A research project to develop strategic action plan in the pine-wilt-disease unaffected area in northern Japan (118)
09:20 - 09:40	<u>Xu FUYUAN</u> , Zheng HUAYING, Xu MING	Study on the techniques of sustainable control of pine wood nematode disease (<i>Bursaphelenchus xylophilus</i>) (136)
09:40 – 10:00	<u>P. NAVES</u> , M. VIEIRA, E. SOUSA	New Strategies for pine wilt disease (PWD) management in Portugal: preventive methods to reduce the spread of the disease to new areas (158)
Session 6: PWN Biology, Population dynamics, Epidemiology, Modelling		
Chairperson: Edmundo Sousa & Christer Magnusson		
10:00 – 10:20	<u>Marek TOMALAK</u> , Anna FILIPIAK	Inter-specific competition of <i>Bursaphelenchus xylophilus</i> with native populations of <i>B. mucronatus</i> in pine (121)
10:20 – 10:40	<u>Han ZHENGMIN</u> , Ben AILING, Guo YE, Cao DONGXIA	Interspecific hybridization between <i>Bursaphelenchus xylophilus</i> and <i>Bursaphelenchus mucronatus</i> (102)
10:40 – 11:00	Coffee break	
11:00 – 11:20	<u>Tetsuro KATO</u> , Akira KANEKO, Ryoji SHINYA, Kazuyoshi FUTAI, Yuko TAKEUCHI	Phenotypic and genotypic traits of recombinant inbred lines of pine wood nematode, <i>Bursaphelenchus xylophilus</i> (113)
11:20 – 11:40	<u>Lihua ZHU</u> , Lin HUANG, Jianren YE	Pathogenicity, reproduction and survival of axenic <i>Bursaphelenchus xylophilus</i> (128)

Continue Friday 18th Oct. 2013		
Session 6: PWN Biology, Population dynamics, Epidemiology, Modeling		
Chairperson: Christer Magnusson		
11:40 – 12:00	<u>Rui-he GAO</u> , Juan SHI, You-qing LUO	Influence of pine wood nematode invasion on typical Masson pine ecosystem in Three Gorges Reservoir Region of China (151)
12:00 – 12:20	Hannah GRUFFUDD, <u>Hugh EVANS</u> , Tom JENKINS	Using an evapo-transpiration model to predict the current and future range and severity of pine wilt disease caused by pine wood nematode, <i>Bursaphelenchus xylophilus</i> in Europe (124)
12:20 – 12:40	<u>Ruifen HUANG</u> , Juan SHI, Youqing LUO	Cold-tolerance and adaption of Pine wood nematode in China (153)
12:40 – 13:40	Lunch	
Chairperson: Gernot Hoch & Thomas Schröder		
13:40 – 14:00	<u>Zheng HUAYING</u> , Xu MING, Xu FUYUAN	A comparative proteomics analysis on resistant provenance of <i>Pinus massoniana</i> inoculated with <i>Bursaphelenchus xylophilus</i> (137)
14:00 – 14:20	<u>Francisco LEISICO</u> , Paula GOMES, Miguel PINHEIRO, Luís FONSECA, Isabel ABRANTES, Conceição EGAS	Comparative transcriptomics to understand the molecular basis of <i>Bursaphelenchus xylophilus</i> pathogenicity (154)
14:20 – 14:40	<u>Lin HUANG</u> , Minqi TIAN, Xiuwen QIU, Yi ZHANG, Xiaoqin WU, Jianren YE	The Function of Major Sperm Proteins (MSPs) in reproduction of pine wood nematode, <i>Bursaphelenchus xylophilus</i> (129)
14:40 – 15:00	Coffee break	
15:00 – 15:20	<u>Claudia SL VICENTE</u> , Yoriko IKUYO, Manuel MOTA, Koichi HASEGAWA	Exploring the relation between virulence and oxidative stress response of <i>Bursaphelenchus xylophilus</i> and <i>Bursaphelenchus mucronatus</i> (157)
15:20 – 17:00	Final Discussion and conclusions End of conference	
17:00	Departure to hotel by bus	