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Nota di contenuto	SESSION 1 GENOMICS AND PLANT- PATHOGEN INTERACTIONS -- The Heterobasidion irregulares genome project / A. Olson. A. Acrts, F.O. Asiegbu, L. Belbahri. O. Bouzid, A. Broberg. B. Canbdck, P.M. Coutinho. D. Cullen, K. Dalman, G. DeJlorio, L. 'LA. van Diepen. C. Dunantl, S. Duplessis. M. Durting. P. Gonthier, J. Grimwood. C.G. Fossdal. D. Llansson, B. Lletwissai, A.M. Hietala. K. Himmelstrand. D. HoJJmeister, N. Hogberg. T. Y. James. M. Karlsson. A. Kohler. U. Kites. Y.LI. Lee. Y.C. Lin M. L.ind. F. Lindquist, V. Lombard. S. Lucas. K. Lunden. LI Morin, C. Mural. J. Park. T. Raffaello. P. Rouze, A. Salamov. J. Schmulz, LI. Solheim, J. Slahlberg, II. Vetez. IIP. de fries. A. Wiebenga. S. Woodward. I. Yakovlev. M. Garbelolto. /•'. Martin. 1.1 ' . Grigoriev. J. Stenlid -- Molecular studies of the Heterobasidion annosum s.l. Norway spruce pathosystem: local and systemic host defense responses / C.G. Fossdal. N. Yaqoob, P. Krokene. A.M. Llietala. I. Yakovlev. LI. Solheim -- Gene expression and metabolism of phenolic compounds in Sitka spruce clones inoculated with Heterobasidion annosum / G. DeJlorio. G. Morgan. S. Woodward. C.G. Fossdal -- Resistance responses of Picea abies to Heterobasidion parviporum in Southern Finland / S.F. Kerio, M.

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hailstorm / G. Erigimelica -- Decay and associated fungi in *Alnus ghtlinosa* in Latvia / N. Arhipova. T. Gaitnieks, .1. Donis, J. Stenlid. R. Vasaitis -- Dynamics of Heterobasidion sporocarp formation on coarse woody debris retained on harvested *Picea abies* sites / D. Nitisa. IGaitnieks. B. Stivrina. J. Donis. K. Korhonen. R. Vasaitis -- Closure of *Picea abies* stem wounds: practical implications / R. Vasaitis, I. Vasiliauskaite, V. Lygis -- Resistance of *Pinus contorta* and *Pinus sylvestris* to *Heterobasidion annosum* / A. Zahtma, N. Arhipova, L. Sisenis, A. Jansons, I. Baumanis, T. Gaitnieks, 11 Vasaitis -- A comprehensive approach to investigate the invasion by *Heterobasidion irregulare* in Italy and its interaction with *H. annosum* / P. Gonthier, N. Anselmi. P. Capretti, F. Bussotti, M. Feducci, M. Garbelotto, L. Giordano, F. Guglielmo, T. Honorati, G. Lione, N. Luchi, V. Mancini, S. Micheloiti, M. Michelozzi. G. Nicolotti, B. Papparatti, M. Pollastrini, S. Speranza, A.M. Vettraino -- A diverse community of viruses inhabiting *Heterobasidion parviporum* at a spruce-dominated forest plot in southern Finland / E.J. Lainio, T. Piri, J. Plantula -- SESSION 4 POPULATION GENETICS -- Patterns of gene introgression between the invasive *Heterobasidion irregulare* and the native *H. annosum* in Italy / P. Gonthier, M. Garbetotto -- Determining the actual area of introduction and the dispersal potential of *Heterobasidion irregulare* in Italy through genetic analyses / W. Garbelotto, F. Guglielmo, S. Mascheretti, P. Gonthier -- Variation in *Heterobasidion occidentale* on different hosts in western Washington USA and growth at different temperatures / R.L Edmonds -- Genetic Structure of three French populations in *Armillaria ostoyae* / C. Dutech, A. Leymarie, A. Capdevielle, O. Fabreguettes, B. Lung-Escarmant -- Geographic population structure of *Armillaria cepistipes* in Switzerland / R. Heinzemann, D. Rigling, S. Prospero -- Field studies agree and extend greenhouse study results of host resistance trials of Douglas-fir to *Armillaria* root disease / A. J. Cruickshank and B. Jaquish -- *Heterobasidion* in conifer forests: genetic diversity across the Italian peninsula / V. Luchi, D. Paffetti, A. Sanlini, P. Capretti -- SESSION 5 AETIOLOGY AND EPIDEMIOLOGY -- Pathogenicity of virus infected and virus-free *Heterobasidion abietinum* isolates on *Abies* species / A.G. Aday, A. Lehtijarvi, E.J. Vainio, H.T. Dognut- Lehtijarvi, J. Hanttda -- Variation in pathogenicity and virulence of four ophiostomatoid fungi and *Heterobasidion irregulare* in *Pinus laeda* and *Pinus eliottii* / L. Eckhardt and G. Matusick -- Interaction of Norway spruce and *Heterobasidion parviporum* in xylem / A.M. hielala, N.E. Nagv. I. Yakovlev, C.G. Fossdatt. hi. Solheim -- Susceptibility of lodgepole pine to *Heterobasidion annosum* and *H. parviporum* in central Sweden. / J. Ronnberg and S. Svensson -- Distribution of *Heterobasidion parviporum* genets in Norway spruce forests in Serbia / N. Keca and L. Keca -- *Armillaria* root rot occurrence in Norway spruce (*Picea abies*) stands of Kolbudy Forest District / M. Mahka, A. Juiwiak -- Spread of *Heterobasidion irregulare* in eastern Canada towards northern natural forests of *Pinus banksiana* / G. Laflamme -- A first generation *Heterobasidion* hybrid discovered in *Larix laricina* in Montana / B. Lockman. S. Mascheretti. M. Garbelotto -- The length of decay column in Norway spruce stems infected by *Heterobasidion parviporum* / P. Lakomv, K. Elis, M. Gllira-Motinska -- Reaction zone and sapwood reduction in Norway spruce (*Picea abies*) attacked by *Heterobasidion annosum* / J. Otiva. J.J. Camarero, J. Stentid -- Spatial distribution of *Heterobasidion abietinum* genets on *Abies cilicica* in a mixed stand / A. Lehtijarvi, H.T. Dogmus-Lehtijarvi, A.G. Aday. F. Oskav -- *Armillaria ostoyae* associated with dying sixty-year-old Scots pines in northern Turkey / A. Lehtijarvi. H.T. Dogmas-Lehtijarvi, A.G. Aday. F. Oskav -- SESSION 6 DISEASE MANAGEMENT

AND CONTROL -- Immunofluorescence approach to distinguish Phlebiopsis gigantea hyphae from the conifer pathogen Heterobasidion annosum with confocal microscope / F.O. Asiegbu -- Effects of biocontrol agent (Phlebiopsis gigantea) against Heterobasidion annosum on the bacterial communities of Picea abies stumps / Sun. E. Terhonen, K. Koskinen, L. Paulin, R. Kascmen, F. O. Asiegbu -- A field trial testing Phlebiopsis gigantea as a biocontrol agent for Heterobasidion root disease in the southeastern United States / S. Covert, J. Brown, M. Cram -- Penicillium adametzii as a possible biological control agent against Armillaria and Heterobasidion / H. Kwasna, L. Sz wajkowska-Michalak, P. Lakomy, J. Perkowski -- Heterobasidion species in Turkey - occurrence, pathogenicity and control / H.T. Dogmwj-Lehtijarvi, A.G. Aday, F. Oskay, A. Lehtijarvi -- New ways of assessing H. annosum root inoculum / J.E. Pratt and L. Wang -- The registration of Phlebiopsis gigantea in the USA: the process / J.E. Pratt, S. Covert, M. Cram, M. Niemi -- Impact and Benefits from control of Heterobasidion parviporum in Norway spruce forest in Serbia / N. Kt'ca and L. Keca -- Survey on Heterobasidion species and perspectives of butt rot control in Germany / B. Mctzler, G. Longer, P. tleydeck, F. Peters, Scham, A. Renfer, E. Longer -- Relations between the area of root rot diseases occurrence (Heterobasidion annosum and Armillaria spp.) and selected weather components in last 35 years in Poland / O. Mykhayliv, M. Malecka -- Armillaria mellea, the causal agent of grapevine root rot, induces a set of defense genes in grapevine roots / A. Pczrazzoti, F. Bampi, S. Faccin, M. Moser, F. De Luca, A.M. Ciccotti, R. Vetasco, C. Gessler, I. Pertot, C. Moser -- Inoculum of Heterobasidion parviporum on stump-harvested sites / T. Piri -- Precommercial thinning stumps of Norway spruce; the influence of stump height on spore infection by Heterobasidion spp. and the efficacy of stump treatment with Phlebiopsis gigantea / A. Gunutf, R. Mc Carthv, J. Ronnberg -- Biological control against Heterobasidion annoswn root rot in coniferous stands in Hungary / A. Koltay, T. Lakatos, T. 'loth Z Andre -- Evaluation of presence of Phlebiopsis gigantea in Scots pine stumps after treatment with EU commercial preparations / Zolciak, M. Mateeka, Z. Sierola, K. Sikora -- Efficacy testing of Latvian Phlebiopsis gigantea strains / K. Kenigsvade, K. Korhonen, T. Gaitnieks -- Efficacy of Phlebiopsis gigantea against Heterobasidion spp. on hybrid larch stumps in situ / L. Wang, J. Ronnberg, E' Ek -- SESSION 7 NEW REPORTS, DIAGNOSTICS AND RESEARCH APPLICATIONS OF DIAGNOSTIC METHODS -- Invasive alien pathogens: new reports / A. Santini and L. Ghelardini -- Distribution, host preference and pathogenicity of Armillaria species on conifers in Japan / E. Hasegawa, Y. Ota, T. Hattori, N. Sahashi, T. Kikuchi -- Initial studies on the characterisation of Rigidoporis lignosits isolates from rubber tree plantations in Nigeria (West Africa) / A.O. Oghenekaro, V.I. Oniorusi G'.A. Evueh F.O. Asiegbu -- Basidiomycetes associated with wood decay in urban trees in Valencia (Spain) / A. Perez-Sierra, M. Leon, O. Martinez, V. De Ltca, J. Armengol -- Effect of Heterobasidion annosum s.l. root and butt rots on the stability of Norway spruce: an uprooting test / L. Giordano, G. I.ione, G. Nicolotti, P. Gonthier -- Incidence of root and butt rots is largely underestimated when assessment is based upon signs of the disease agent / L. Giordano, F. Gugtiehno, G. Nicototti, P. Gonthier -- The incidence of Heterobasidion annosum sensu stricto on young Alnus incana / P. Lakomy -- Notes on the genus Buchwaldoboletas, Basidiomycetes fungi related with forest trees / D. Migliorini and A. Saniini.

7.02.01 "Root and Butt Rot of Forest Trees" that was held in Italy from the 4th to the 10th of September 2011. The Conference started in Firenze than moved to FEM Research Centre, S. Michele all'Adige, Trento and continued in San Martino di Castrozza, Dolomite region. Root and Butt Rot of Forest Trees have a high biological and economic impact in forestry. The Proceedings were organized under seven headings: Genomics and Plant-Pathogen Interactions; Systematics, Taxonomy and Phylogeography; Ecology; Population Genetics; Etiology and Epidemiology; Disease Management and Control; New Reports, Diagnostics and Research on the Application of new Diagnostic Methods.
