

### Forest Research and Knowledge Exchange: April 1 – September 30 2015

Category	Description	Number
1	Book and book chapters	2
2	Peer-reviewed article	11 (and a further 5 under review/in prep)
3	FC and/or FR publication	4
4	Reports for non-FC customers (published and unpublished)	4
5	Trade journal and newsletter articles	14
6	Web pages	0
7	Scientific conferences: presentations or posters given	22
8	Other meetings	25
9	Media	41
10	Software and associated manuals	0
11	Other audiences and other delivery channels	4

## CATEGORY 1 - Book and book chapters (2 records)

- Record ID 4010919  
**Title:** **Site preparation techniques for forest restoration.**  
Other titles: In: Restoration of Boreal and Temperature Forests  
Author: Löf, M.  
Co-author: Ersson, B.T.; Hjältén, J.; Nordfjell T.; Oliet, J.A.; Willoughby, I.  
Edition: Second  
Imprint: CRC Press, 2015  
Description: Book chapter  
Main subject: RESTORATION  
Subjects: FCRA AUTHORS; 2016-FR-CAT-1  
Notes: Ed. Stanturf, J.A.  
Abstract: There is a pressing global requirement to combat the conversion of natural habitats into agricultural land or degradation of forests, which threatens biodiversity and erodes environmental services, and contributes to climate change...
- Class: Electronic resource  
WWW: [www.crcpress.com](http://www.crcpress.com)  
ISBN: 978-1-4822-1196-2  
eBook 978-1-4822-1197-9.
- Country: uk  
Bib type: M  
GMD: Chapter  
Entered: 13/08/2015 B00000115
- Record ID 4010920  
**Title:** **A hundred years of woodland restoration in Great Britain: changes in the drivers that influenced the increase in woodland cover.**  
Other titles: In: Restoration of Boreal and Temperature Forests  
Author: Harmer, R.  
Co-author: Watts, K.; Ray, D.  
Edition: Second  
Imprint: CRC Press, 2015  
Description: Book chapter  
Main subject: RESTORATION  
Subjects: FCRA AUTHORS; 2016-FR-CAT-1  
Notes: Ed. Stanturf, J.A.  
Abstract: Since the last ice age, Great Britain has lost most of its forest cover but a determined restoration effort over the last 100 years has managed to increase both the cover and productivity of woodlands.
- Class: Electronic resource  
WWW: [www.crcpress.com](http://www.crcpress.com)  
ISBN: 978-1-4822-1196-2  
eBook 978-1-4822-1197-9.
- Country: uk  
Bib type: M  
GMD: Chapter  
Entered: 13/08/2015 B00000115

## CATEGORY 2 - Peer-reviewed journal articles (16 records)

Record ID 4010892  
**Title:** **Wildlife and conservation in community woods: business as usual?**  
Author: Van der Jagt, A.  
Co-author: Ambrose-Oji, B.; Lawrence, A.  
Imprint: 2015  
Source: ECOS  
Reference: 36-43  
Main subject: WILDLIFE CONSERVATION  
Subjects: FCRA AUTHORS; 2016-FR-CAT-2  
Abstract: Social and community enterprise projects in woodland management are on the rise in Britain. In this article scientists from Forest Research reflect upon the conservation and wildlife impacts of such ventures, looking at a range of business models.  
Class: Electronic resource  
Bib type: A  
GMD: Periodical article  
Entered: 16/06/2015 B00000115

Record ID 4010905  
**Title:** **Mixed provenance and mixed species trials: Informing the debate on how to prepare native tree species for climate change in England.**  
Author: Barsoum, N.  
Imprint: The Royal Forestry Society, 2015  
Source: Quarterly Journal of Forestry  
Reference: 201-207  
Main subject: CLIMATE CHANGE  
Subjects: FCRA AUTHOR; 2016-FR-CAT-2  
Abstract: Nadia Barsoum describes the important research being carried out to identify the most appropriate trees to plant to give our woodland the best chance of a sustainable future.  
Class: Electronic resource  
WWW: <http://www.rfs.org.uk>  
Bib type: A  
GMD: Periodical article  
Entered: 30/07/2015 B00000115

Record ID 4010912  
**Title:** **Exceedance of critical loads and of critical limits impacts tree nutrition across Europe.**  
Author: Waldner, P.  
Co-author: Thimonier, A.; Benham, S.; Vanguelova, E.  
Imprint: Springer Paris, 2015  
Source: Annals of Forest Science  
Reference: Online June 2015; doi: 10.1007/s13595-015-0489-2  
Print ISBN 1286-4560  
Online ISBN 1297-966X  
Main subject: TREE HEALTH  
Subjects: TREE NUTRITION; ICP FORESTS; FOLIAGE; FCRA AUTHORS; 2016-FR-CAT-2  
Abstract: Exceedance of critical limits in soil solution samples was more frequent in intensively monitored forest plots across Europe with critical loads for acidity and eutrophication exceeded compared to other plots from the same network. Elevated inorganic nitrogen concentrations in soil solution tended to be related to less favourable nutritional status.  
Class: Electronic resource  
WWW: <http://link.springer.com/article/10.1007%2Fs13595-015-0489-2#>

Bib type: A  
GMD: Periodical article  
Entered: 31/07/2015 B00000115

Record ID 4010915  
**Title: A multi-species modelling approach to examine the impact of alternative climate change adaptation strategies on range shifting ability in a fragmented landscape.**

Author: Synes, N.  
Co-author: Watts, K.; Palmer, S.C.F.; Bodedi, G.; Barton, K.A.; Osborne, P.E.; Travis, J.M.J.  
Imprint: Elsevier, 2015  
Source: Science Direct  
Reference: Available online 25th June 2015  
Main subject: CLIMATE CHANGE  
Subjects: ECOLOGICAL NETWORKS; CONNECTIVITY; HABITAT RESTORATION; POPULATION DYNAMICS; DISPERSAL; RANGESHIFTER; 2016-FR-CAT-2

Abstract: An individual-based model of animal dispersal and population dynamics was used to test the effects of different climate change adaptation strategies on species range shifting ability, namely the improvement of existing habitat, restoration of low quality habitat and creation of new habitat. These strategies were implemented on a landscape typical of fragmentation in the United Kingdom using spatial rules to differentiate between the allocation of strategies adjacent to or away from existing habitat patches...

Class: Electronic resource  
WWW: <http://www.sciencedirect.com/science/article/pii/S1574954115000941>  
Bib type: A  
GMD: Periodical article  
Entered: 03/08/2015 B00000115

Record ID 4010916  
**Title: New climate change information modifies frames and decisions of decision makers: an exploratory study in forest planning.**

Author: Petr, M.  
Co-author: Boerboom, L.; Ray, D.; van der Veen, A.  
Imprint: Springer, 2015  
Source: Regional Environmental Change  
Published online July 2015  
Reference: 10.1007/s10113-015-0827-9  
Main subject: CLIMATE CHANGE  
Subjects: UNCERTAINTY; AMBIGUITY; FRAMING; DECISION-MAKING; INFORMATION; CLIMATE CHANGE ADAPTATION; FCRA AUTHOR; 2016-FR-CAT-2

Abstract: Information helps decision makers to address and to decide about environmental problems. In the context of climate change adaptation, often knowledge is missing on how the available information from impact models affects the decision-making process. The main aim of this study was to explore the extent of ambiguity and how new climate change information influenced decision of forest planners. We investigated changes in decisions of planners about forestry actions representing species choice and forest tourism and expiry dates of these actions leading to environmental constraints in the provision of ecosystem services...

Class: Electronic resource  
WWW: <http://link.springer.com/article/10.1007/s10113-015-0827-9?>  
ISSN: Print 1436-3798  
Online 1436-378X  
Bib type: A  
GMD: Periodical article  
Entered: 03/08/2015 B00000115

Record ID 4010917

**Title:** Comparing the costs and revenues of transformation to continuous cover forestry for sitka spruce in Great Britain.  
**Author:** Davies, O.  
**Co-author:** Kerr, G.  
**Imprint:** 2015  
**Source:** Forests  
**Reference:** 2424-2449  
doi: 10.3390/f6072424  
**Main subject:** FORESTRY  
**Subjects:** CONTINUOUS COVER FORESTRY; ECONOMICS; TRANSFORMATION; FCRA AUTHOR; 2016-FR-CAT-2  
**Abstract:** Recently continuous cover forestry (CCF) has become an accepted approach to forest management in Britain, but uncertainty about its economic consequences may be a barrier to its wider use. A study was carried out to examine the costs and revenues of transforming a stand of Sitka spruce (*Picea sitchensis* (Bong.) Carr.) to CCF...  
**Class:** Electronic resource  
**WWW:** <http://www.mdpi.com/1999-4907/6/7/2424/pdf>  
**Bib type:** A  
**GMD:** Periodical article  
**Entered:** 03/08/2015 B00000115

**Record ID** 4010926  
**Title:** The match and mismatch between photosynthesis and land surface phenology of deciduous forests.

**Parent Item:** Agricultural and Forest Meteorology  
**Author:** D'Odorico, P.  
**Co-author:** Gonsamo, A.; Gough, C.M.; Bohrer, G.; ; Morison, J.; Wilkinson, M.; Hanson, P.J.; Gianelle, D.; Fuents, J.D.; Buchmann, N.  
**Imprint:** Amsterdam : Elsevier, 2015  
**Source:** Agricultural and Forest Meteorology 214–215  
**Reference:** 25–38 ill. refs.  
<http://dx.doi.org/10.1016/j.agrformet.2015.07.005>  
**Main subject:** CLIMATOLOGY  
**Subjects:** CLIMATOLOGY; FLUXNET; ECOSYSTEM PRODUCTIVITY; ECOSYSTEM; MODIS; NDVI; PHENOLOGY INDEX; CLIMATE CHANGE; REMOTE SENSING; EVI; FCRA AUTHORS; 2016-FR-CAT-2  
**Abstract:** Plant phenology is a key indicator of the terrestrial biosphere's response to climate change, as well as a driver of global climate through changes in the carbon, energy and water cycles. Remote sensing observations of seasonal canopy greenness dynamics represent a valuable means to study land surface phenology (LSP) at scales relevant for comparison with regional climate information as well as ecosystem-level CO<sub>2</sub> fluxes. We explore relationships among key LSP dates at the start and end of the season captured by three remote sensing products (i.e., NDVI: Normalized Difference Vegetation Index; PI: Phenology Index; MODIS Land Cover Dynamics Product based on the Enhanced Vegetation Index, EVI) over 19 deciduous broadleaf and mixed forest sites in the northern hemisphere for 2000–2012, and compare these estimates to estimates of start and end of photosynthesis phenology extracted from gross primary productivity (GPP) from CO<sub>2</sub> flux measurements. To derive phenological transition dates, we use analytical solutions of various derivatives from the fitted logistic curves. LSP dates estimated by the three remote sensing products were not equivalent and differed in their sign and magnitude of lags with photosynthesis phenology dates. NDVI-derived phenology was characterized by shorter growing seasons, while EVI prolonged it by about two weeks compared to the photosynthesis phenology season length. PI start and end of season dates more closely matched the start ( $r^2 = 0.84$ , RMSE = 7.61) and end ( $r^2 = 0.61$ , RMSE = 8.57) of photosynthesis phenology as estimated by GPP time series. PI was also found agreeing best with LSP estimates from highly spatially resolved ground digital camera

observations, available for about half of the investigated FLUXNET sites. Although there were strong relationships between remotely sensed LSP and photosynthesis phenology, the relationships were not consistent across deciduous forest ecosystems implying that the vegetative and photosynthetic timing do not always follow each other in the same direction.

Class: Electronic resource  
WWW: <http://www.sciencedirect.com/science/article/pii/S0168192315002129>  
Bib type: A  
GMD: Periodical article  
Entered: 20/08/2015 b00000317

Record ID 4010928

**Title:** **Genomic analysis of bacteria associated with acute oak decline. In Preparation.**

Author: Doonan, J.

Co-author: Denman, S.; Pachebat, J.; Golyshin, P.N.; McDonald, J.E.

Imprint: 2015

Main subject: TREE HEALTH

Subjects: GENOMICS; BACTERIA; FCRA AUTHORS; 2016-FR-CAT-2

**Abstract:** Both species of native oak trees in the UK (*Quercus robur* and *Quercus petraea*) are affected by a Decline syndrome termed Acute Oak Decline (AOD). Black weeping patches on the stems of mature trees are the primary symptom of AOD and indicate the presence of necrotic lesions in the underlying tissue. Two newly described bacterial species, *Gibbsiella quercinecans* and *Brenneria goodwinii* are consistently isolated from necrotic lesions. The aim of this investigation is to identify the presence of genes associated with bacterial pathogenicity. This study used the Illumina MiSeq second generation and Pacific Bioscience third generation sequencing platforms, for the de novo assembly of *Gibbsiella quercinecans* and *Brenneria goodwinii*. This genomic analysis has revealed a number of potential virulence factors. These include Plant Cell Wall Degrading Enzymes (PCWDE) and assorted secretion systems. Similar studies of bacterial associated plant pathogens have indicated that the synchronous relationship of these genes in for example *Pectobacterium carotovorum* leads to maceration of host cell tissue. The annotated genes encompass a suite of virulence factors providing *G. quercinecans* and *B. goodwinii* with the tools to compromise oak tree health. A combination of second and third generation sequencing analysis has provided substantial evidence implicating *Gibbsiella quercinecans* and *Brenneria goodwinii* as potential pathogenic contributors to the Acute Oak Decline syndrome.

Bib type: A  
GMD: Periodical article  
Entered: 21/08/2015 B00000115

Record ID 4010934

**Title:** ***Gibbsiella papilionis* Kim et al. 2013 is a later heterotypic synonym of *Gibbsiella dentisursi* Saito et al. 2012.**

Author: Brady, C.

Co-author: Irisawa, T.; Iino, T.; Ohkuma, M.; Arnold, D.; Denman, S.

Imprint: 2015

Source: International Journal of Systematic and Evolutionary Microbiology

Reference: UNDER REVIEW

Subjects: ENTEROBACTERIACEAE; FCRA AUTHOR; 2016-FR-CAT-2

**Abstract:** Synonymy of *Gibbsiella dentisursi* DSM 23818T (= NUM 1720T) and *Gibbsiella papilionis* JCM 18389T (= LEN 33T) was suspected following multilocus sequence analysis (MLSA) of both type strains in a previous classification study, where they were found to share >99.6 % gene sequence similarity. The taxonomic relationship between these two strains was re-examined here using a polyphasic approach. A DNA-DNA similarity value of 98 % confirmed that the two type strains belong to a single taxon, while the phenotypic profiles

were found to be nearly identical. Therefore we propose *Gibbsiella papilionis* as a later heterotypic synonym of *Gibbsiella dentisursi*.

Bib type: A  
GMD: Periodical article  
Entered: 24/08/2015 B00000115  
Updated: 25/08/2015 B00000115

Record ID 4010950  
**Title: Spatial and temporal patterns in symptom expression within woodland affected by Acute Oak Decline. IN REVIEW**

Author: Brown, N.  
Co-author: Jeger, M.; Kirk, S.; Williams, D.; Xu, X.; Denman, S.  
Imprint: 2015  
Source: Forest Ecology and Management  
Main subject: TREE HEALTH  
Subjects: FCRA AUTHORS; 2016-FR-CAT-2  
Bib type: A  
GMD: Periodical article  
Entered: 25/08/2015 B00000115

Record ID 4010951  
**Title: Acute oak decline and agrilus biguttatus: the relationship between stem bleeding and D-shaped exit holes at eight sites in the United Kingdom. IN REVIEW**

Author: Brown, N.  
Co-author: Jeger, M.; Kirk, S.; Williams, D.; Xu, X.; Denman, S.  
Imprint: 2015  
Source: Agricultural and Forest Entomology  
Main subject: TREE HEALTH  
Subjects: FCRA AUTHORS; 2016-FR-CAT-2  
Bib type: A  
GMD: Periodical article  
Entered: 25/08/2015 B00000115

Record ID 4010966  
**Title: Responses of the two-spotted oak buprestid, *Agilus biguttatus*, to host tree volatiles (Coleoptera: Buprestidae). IN PREP.**

Author: Vuts, J.  
Co-author: Woodcock, C.M.; Sumner, M.; Reed, K.; Denman, S.; Pickett, J.A.; Caulfield, J.C.; Inward, D.J.G.; Birkett, A.  
Imprint: 2015  
Source: IN PREP.  
Main subject: TREE HEALTH  
Subjects: FCRA AUTHORS; 2016-FR-CAT-2  
Bib type: A  
GMD: Periodical article  
Entered: 11/09/2015 B00000115

Record ID 4010968  
**Title: Do non-native conifer plantations provide benefits for a native forest specialist, the wood ant *Formica lugubris*?**

Author: Procter, D.S.  
Co-author: Cottrell, J.; Watts, K.; Robinson, E.J.H.  
Imprint: 2015  
Source: Forest Ecology and Management  
Reference: 22-32  
doi:10.1016/j.foreco.2015.07.034

Main subject: FORESTRY  
Subjects: AFFORESTATION; PLANTATION FORESTRY; RED WOOD ANTS; COLONISATION LAG; NON NATIVE CONIFERS; LAND COVER CHANGE; FCRA AUTHORS; 2016-FR-CAT-2  
Abstract: Recent increases in plantation forestry are starting to reverse the global decline in forest cover, in some areas of the world. Britain has practiced afforestation, primarily with non-native conifers, for over a century. It is unclear whether these new plantations have the potential to support native forest species.  
Class: Electronic resource  
WWW: <http://www.sciencedirect.com/science/article/pii/S0378112715004156>  
Bib type: A  
GMD: Periodical article  
Entered: 11/09/2015 B00000115

Record ID 4011040  
**Title:** **Dieback and mortality of Nothofagus in Britain: ecology, pathogenicity and sporulation potential of the causal agent Phytophthora pseudosyringae.**  
Author: Scanu, B.  
Co-author: Webber J.F.  
Imprint: 2015  
Source: Plant Pathology  
doi: DOI: 10.1111/ppa.12399  
Reference: Online from 25th May 2015  
Main subject: TREE HEALTH  
Subjects: AERIAL SPORULATION;; BLEEDING CANKERS; FOLIAR NECROSIS; OOMYCETES; FCRA AUTHOR; 2016-FR-CAT-2  
Abstract: Since 2009 extensive dieback and mortality of *Nothofagus obliqua*, associated with bleeding cankers on stems and branches, has been observed in the UK. The causal agent was identified as *Phytophthora pseudosyringae*, based on morphological and analysis of the internal transcribed spacer (ITS) sequences. Between 2011 and 2013, a survey assessed the frequency and nature of these *P. pseudosyringae* infections...  
Class: Electronic resource  
WWW: <http://onlinelibrary.wiley.com/doi/10.1111/ppa.12399/abstract>  
Bib type: A  
GMD: Periodical article  
Entered: 08/10/2015 B00000115

Record ID 4011050  
**Title:** **Part of the solution? Stakeholder awareness, information and engagement in tree health issues.**  
Author: Marzano, M.  
Co-author: Dandy, N.; Bayliss, H.R.; Porth, E.; Potter, C.  
Imprint: 2015  
Source: Biological Conservation  
Reference: doi: 10.1007/s10530-015-0850-2  
Main subject: TREE HEALTH  
Subjects: FCRA AUTHORS; 2016-FR-CAT-2  
Class: Electronic resource  
Bib type: A  
GMD: Periodical article  
Entered: 09/10/2015 B00000115

Record ID 4011052  
**Title:** **Phytosanitary inspection of woody plants for planting at European Union entry points: a practical enquiry.**  
Author: Eschen, R.



Co-author: Rigaux, L.; Sukovata, L.; Vettraino, A.M.; Marzano, M. and Gregoire, J-M  
Imprint: 2015  
Source: Biological Invasions  
Reference: doi: 10.1007/s10530-015-0883-6  
Main subject: BIOLOGICAL CONTROL  
Subjects: FCRA AUTHOR; 2016-FR-CAT-2  
Class: Electronic resource  
Bib type: A  
GMD: Periodical article  
Entered: 09/10/2015 B00000115

### CATEGORY 3 - FC and/or FR publications (4 records)

- Record ID 4010875  
**Title:** **Forestry Commission Research Report: Shake in oak: an evidence review.**  
Other titles: Understanding the causes of shake defects in oak trees  
Author: Price, A.  
Company: Corporate Forestry Services  
Imprint: Forestry Commission Scotland, 2015  
Description: FC Report  
Main subject: TREE HEALTH  
Subjects: TIMBER; DEFECT; DAMAGE; EARLYWOOD; VESSEL; GROWTH RING; GEOLOGY; SOIL; NUTRITION STRESSES; FCRA AUTHOR; 2016-FR-CAT-3
- Notes: 36 pp  
Abstract: Shake is believed to affect about 20% of British oaks. Shake may appear on any site. No fully reliable method exists to identify the defect in standing trees, or predict vulnerable sites without local and historical knowledge. This review seeks to enable risky sites to be identified and avoided for new planting and to help lower risk sites be managed to minimise risk. The following factors will predispose a tree to shake: large earlywood vessel diameter, wounding to the main stem, and abrupt changes in ring width. Predispositions will not lead to shake without an additional aggravating factor or 'trigger' such as poor soil nutrition, poor rooting conditions, drought or waterlogging, and severe external or internal stresses.
- Class: Electronic resource  
<http://www.forestry.gov.uk/website/publications.nsf/searchpub/?SearchView&Query=%28FCRP024%29&count=999&SearchOrder=4&SearchMax=0&SearchWV=TRUE&SearchThesaurus=TRUE>  
<http://www.forestry.gov.uk/fr/hcou-4u4jeq>
- ISBN: 978-0-85538-925-3  
Country: uk  
Bib type: M  
GMD: Reports  
Entered: 07/05/2015 B00000115
- Record ID 4010974  
**Title:** **Ecosystem services and forest management**  
Author: Sing, L.  
Co-author: Ray, D.; Watts, K.  
Company: Forest Research  
Imprint: Forestry Commission, September 2015  
Description: 9 pages, ill. refs.  
Series: Research Note  
Main subject: ECOSYSTEM MANAGEMENT  
Subjects: ECOSYSTEM; ECOSYSTEM MANAGEMENT; ECOSYSTEM SERVICES; FOREST ECOSYSTEMS; FOREST MANAGEMENT; POLICY; POLICY MAKING; CLIMATE CHANGE; SUSTAINABLE FOREST MANAGEMENT; UK FORESTRY STANDARD; TIMBER PRODUCTION; CARBON SEQUESTRATION; FLOOD MANAGEMENT; WATER QUALITY; HEALTH; RECREATION; BIODIVERSITY; BRITAIN; UK; FCRA AUTHORS; 2016-FR-CAT-3
- Abstract: The ecosystem services concept helps describe the benefits which humans receive from nature and natural processes in a way that can influence policy and management decision making. The ability of trees, woodlands and forests to provide a wide range of ecosystem services is very much dependent on where they are located and how they are managed. Characterising, assessing and valuing ecosystem services can support forest management in a number of ways. These include demonstrating the human and societal

goods and services which trees, woodlands and forests provide; supporting the prioritisation of management activities by articulating forest management outcomes as trade-offs in ecosystem services; and considering whether the configuration and management of woodlands is sufficiently robust to meet potential changes in the future demand for ecosystem services, and is resilient to projected climate change. This Research Note provides an introduction to the ecosystem services framework by explaining the concepts of characterisation, assessment and valuation, and the links to sustainable forest management through the UK Forestry Standard. It presents the findings of a series of workshops, held by Forest Research during 2011, which identified the priority ecosystem services for policy and practice from trees, woodlands and forests as timber and fuel production, carbon sequestration, flood mitigation, water quality, health and recreation, and biodiversity.

<http://www.forestry.gov.uk/website/publications.nsf/searchpub/?SearchView&Query=%28FCRN020%29&count=999&SearchOrder=4&SearchMax=0&SearchWV=TRUE&SearchThesaurus=TRUE>

ISBN: 9780855389291  
Country: uk  
Bib type: M  
GMD: FR Publication  
Entered: 17/09/2015 b00000317  
Updated: 17/09/2015 b00000317

Record ID 4010975  
**Title:** **Xylella fastidiosa**  
Company: Forest Research  
Imprint: Forestry Commission, September 2015  
Description: 2 pages, ills.  
Series: Pest Alert  
Main subject: PESTS

Subjects: XYLELLA FASTIDIOSA; PEST MANAGEMENT; PESTS; WOODY PLANTS; BROADLEAVED TREES; LEAFHOPPERS; XYLEM; SYMPTOMS; TREE DISEASE; TREE DISEASES; CENTRAL AMERICA; NORTH AMERICA; EUROPE; UK; FCRA; 2016-FR-CAT-3

Abstract: *Xylella fastidiosa* is a disease causing bacterium that affects a wide range of important woody plants and broadleaved trees. It invades the xylem vessels that transport water throughout plants and causes symptoms that range from leaf scorch to tree dieback and death. In the natural environment it is transmitted by xylem-fluid feeding insects such as leafhoppers. Until recently the bacterium was only known in the Americas and Taiwan, but an outbreak on olive trees in southern Italy was confirmed in 2013. Affected shrubs were also found in France in 2015. In Italy, the bacterium is apparently causing the rapid decline of olive trees over a large area and is under emergency measures. It has not yet been found in the UK and measures are in place to protect our trees.

WWW: <http://www.forestry.gov.uk/website/publications.nsf/searchpub/?SearchView&Query=%28FCPH-XF%29&count=999&SearchOrder=4&SearchMax=0&SearchWV=TRUE&SearchThesaurus=TRUE>

ISBN: 9780855389338  
Country: uk  
Bib type: M  
GMD: FR Publication  
Entered: 17/09/2015 b00000317  
Updated: 17/09/2015 b00000317

Record ID 4010976  
**Title:** **Plane Wilt (canker stain disease)**  
Company: Forest Research  
Imprint: UK: Forestry Commission, September 2015  
Description: 2 pages, ills.  
Series: Pest Alert  
Main subject: PESTS  
Subjects: PEST; PEST DIAGNOSIS; PEST MANAGEMENT; PLANE WILT; CANKER STAIN DISEASE; PLANE TREES; PLANE WILT; CERATOCYSTIS PLATANI; CERATOCYSTIS PLATANI; FUNGUS; TREE ALERT; TREE DISEASES; TREE DISEASE; AMERICAN SYCAMORE; ORIENTAL PLANE; LONDON PLANE; PLATANUS ACERIFOLIA; PLATANUS ORIENTALIS; PLATANUS OCCIDENTALIS; UNITED STATES; EUROPE; UK; FCRA; 2016-FR-CAT-3

Abstract: Plane wilt, also known as canker stain disease, is a serious disorder of plane trees, which are important amenity trees in the parks and avenues of many European cities. The disease is caused by the fungus *Ceratocystis platani*, which is present in the USA and Europe, but considered to be indigenous only to North America. It is thought to have been introduced into Europe in the Naples area of southern Italy during World War II, possibly arriving in infected wood from the USA used to package military supplies. Since then plane wilt has gradually spread to other European countries. In 2014 the UK became a Protected Zone to provide extra safeguards against accidental introduction of this disease on imported trees or the wood of plane.  
<http://www.forestry.gov.uk/website/publications.nsf/searchpub/?SearchView&Query=%28FCPH-PW%29&count=999&SearchOrder=4&SearchMax=0&SearchWV=TRUE&SearchThesaurus=TRUE>

ISBN: 9780855389345  
Country: uk  
Bib type: M  
GMD: FC Publication  
Entered: 17/09/2015 b00000317

**CATEGORY 4 - Contract reports for non-FC customers (4 records)**  
(Published and unpublished)

Record ID 4010783  
**Title:** **EU FP7 GREEN SURGE PROJECT 2013-2017**  
Other titles: Local Learning Alliances and Corresponding Advisory Boards Established in Five Urban Learning Labs. Stakeholder composition and structure for the establishment of local Learning Alliances of the ULLs  
Author: Smith, M.  
Co-author: Van der Jagt, A.; Ambrose-Oji, B.  
Company: EU; Forest Research  
Imprint: 2015  
Description: EU FP7 (ENV.2013.6.2-5-603567)  
Main subject: URBAN PLANNING  
Subjects: FCRA AUTHOR; 2016-FR-CAT-4  
Abstract: This report outlines the process of identifying stakeholder composition and structure for the establishment of local Learning Alliances (LAs) of the Urban Learning Labs (ULLs), Task 7.1 within GREEN SURGE (GREEN SURGE), an EU FP7 collaborative project, FP7-ENV.2013.6.2-5-603567 (2013-2017). The overarching aim of Work Package 7 (WP7) is to facilitate collaborative learning and knowledge production between practitioners, policy makers, researchers and other stakeholders who collaborate with each other under the umbrella of a LA. Through a range of different learning processes, top-down and research-led knowledge comes together with, and is tested against, bottom up stakeholder knowledge through a series of activities in each of the 5 ULLs: Bari, Berlin, Edinburgh, Ljubljana and Malmö.  
Class: Electronic resource  
WWW: <http://greensurge.eu/>  
Country: uk  
Bib type: M  
GMD: Reports  
Entered: 17/04/2015 B00000115

Record ID 4010784  
**Title:** **EU FP7 GREEN SURGE PROJECT 2013-2017**  
Other titles: Assessment Framework for Urban Green Space Governance Arrangements Milestone 40  
Author: Buijs, A.  
Co-author: Mattijssen, T.; Elands, B.; Ambrose-Oji, B.; van der Jagt, A.; Delshammar, T.; Santos, A.; Fors, H.; Gerohazi, E.; Tomic, I.; Vierikko, K.; Hansen, R.; Nastran, M.  
Company: EU; Forest Research  
Imprint: 2015  
Description: EU FP7 (ENV.2013.6.2-5-603567)  
Main subject: URBAN PLANNING  
Subjects: FCRA AUTHOR; 2016-FR-CAT-4  
Abstract: Work Package 6 of the GREEN SURGE project focuses on participatory governance (of urban green spaces), defined here as arrangements in which citizens, entrepreneurs, NGOs and other nongovernmental parties develop and manage networks of urban green spaces at different levels, with or without the involvement of formal authorities. These arrangements might contribute to the Urban Green Infrastructure (UGI), but do not necessarily do so. UGI can generally be considered as the product of the hierarchical view on planning typical of the government-dominated paradigm. For that reason, UGI is at the core of attention of WP5.

Class: Electronic resource  
 WWW: <http://greensurge.eu/working-packages/wp6/>  
[http://greensurge.eu/working-packages/wp6/files/MS40\\_-\\_WP6\\_Tier\\_2\\_Methodology\\_and\\_research\\_questions\\_FINAL.pdf](http://greensurge.eu/working-packages/wp6/files/MS40_-_WP6_Tier_2_Methodology_and_research_questions_FINAL.pdf)  
 Country: uk  
 Bib type: M  
 GMD: Reports  
 Entered: 17/04/2015 B00000115

Record ID 4010882  
**Title: Technical Report: Greensurge Deliverable 6.2, Work Package 6.**  
 Other titles: Local Learning Alliances and Corresponding Advisory Boards Established in Five Urban Learning Labs.  
 Author: Smith, M.  
 Co-author: Van der Jagt, A.; Ambrose-Oji, B.  
 Imprint: 2015  
 Main subject: URBAN AREAS  
 Subjects: FCRA AUTHORS; 2016-FR-CAT-4  
 Notes: p 34  
 Abstract: Stakeholder composition and structure for the establishment of local Learning Alliances of the ULLs. Forest Research report as part of the EU FP7 (ENV.2013.6.2-5-603567) GREEN SURGE project (2013-2017).

Class: Electronic resource  
 WWW: <http://greensurge.eu/>  
 Country: uk  
 Bib type: M  
 GMD: Reports  
 Entered: 08/05/2015 B00000115

Record ID 4010883  
**Title: Technical Report: Greensurge Deliverable 6.2, Work Package 6.**  
 Other titles: Research questions and methodology for Tier 2  
 Author: Buijs, A.  
 Co-author: Mattijssen, T., Elands, B., Ambrose-Oji, B., van der Jagt, A., Delshammar, T., Santos, A., Fors, H., Gerohazi, E., Tomic, I., Vierikko, K., Hansen, R., Nastran, M.  
 Imprint: 2015  
 Main subject: URBAN AREAS  
 Subjects: FCRA AUTHORS; 2016-FR-CAT-4  
 Abstract: Assessment Framework for Urban Green Space Governance Arrangements Milestone 40, Collaborative report as part of the EU FP7 (ENV.2013.6.2-5-603567) GREEN SURGE project (2013-2017).

Class: Electronic resource  
 WWW: <http://greensurge.eu/working-packages/wp6/>  
[http://greensurge.eu/working-packages/wp6/files/MS40\\_-\\_WP6\\_Tier\\_2\\_Methodology\\_and\\_research\\_questions\\_FINAL.pdf](http://greensurge.eu/working-packages/wp6/files/MS40_-_WP6_Tier_2_Methodology_and_research_questions_FINAL.pdf)  
 Country: uk  
 Bib type: M  
 GMD: Reports  
 Entered: 08/05/2015 B00000115

## CATEGORY 5 - Trade journal and newsletter articles (14 records)

Record ID 4010893  
**Title:** Exploring the potential for short rotation forestry in Scotland.  
Author: Stokes, V.  
Co-author: Martin, P.  
Imprint: Forestry and Timber News, 2015  
Description: Trade journal publication  
Source: Forestry and Timber News, June 2015,16-17.  
Main subject: FORESTRY  
Subjects: FCRA AUTHOR; 2016-FR-CAT-5  
Abstract: Woodfuel has an important role in meeting climate change and renewable energy targets. The UK aims to produce 15% of its energy from renewable sources (including woodfuel) by 2020, and in Scotland targets are to meet an equivalent of 100% demand for electricity and 11% of heat from renewable sources by 2020...  
Country: uk  
Bib type: A  
GMD: Periodical article  
Entered: 23/06/2015 B00000115  
Updated: 23/07/2015 0000008b

Record ID 4010906  
**Title:** Observatree early warning system for tree health.  
Author: Penny, S.  
Company: Forest Research  
Edition: Issue 83  
Imprint: SCRR, 2015  
Description: SCRR Newsletter Summer 2015  
Main subject: TREE HEALTH  
Subjects: FCRA AUTHOR; 2016-FR-CAT-5  
Abstract: SCRR, formerly the Edinburgh Consortium for Rural Research, is a consortium of organisations active in research into land, freshwater, coastal and marine resources, and their uses – including farming, forestry, aquaculture and recreation.  
Class: Electronic resource  
WWW: <http://www.scr.ac.uk/downloads/scr-news-83.pdf>  
Country: uk  
Bib type: M  
GMD: Leaflet  
Entered: 30/07/2015 B00000115  
Updated: 30/07/2015 B00000115

Record ID 4010907  
**Title:** Behavioural policy nudges to encourage woodland creation.  
Author: Penny, S.  
Company: Forest Research  
Edition: Issue 82  
Imprint: SCRR, 2015  
Description: SCRR Newsletter Spring 2015  
Main subject: TREE HEALTH  
Subjects: FCRA AUTHOR; 2016-FR-CAT-5  
Abstract: SCRR formerly the Edinburgh Consortium for Rural Research, is a consortium of organisations active in research into land, freshwater, coastal and marine resources, and their uses - including farming, forestry, aquaculture and recreation.  
Class: Electronic resource

WWW: <http://www.scrr.ac.uk/downloads/scrr-news-82.pdf>  
Country: uk  
Bib type: M  
GMD: Leaflet  
Entered: 30/07/2015 B00000115

Record ID 4010908  
**Title:** **International partnership to restore giant panda habitats.**  
Author: Penny, S.  
Company: Forest Research  
Edition: Issue 82  
Imprint: SCRR, 2015  
Description: SCRR Newsletter Spring 2015  
Main subject: TREE HEALTH  
Subjects: FCRA AUTHOR; 2016-FR-CAT-5  
Abstract: SCRR formerly the Edinburgh Consortium for Rural Research, is a consortium of organisations active in research into land, freshwater, coastal and marine resources, and their uses - including farming, forestry, aquaculture and recreation.

Class: Electronic resource  
WWW: <http://www.scrr.ac.uk/downloads/scrr-news-82.pdf>  
Country: uk  
Bib type: M  
GMD: Leaflet  
Entered: 30/07/2015 B00000115

Record ID 4010925  
**Title:** **Taking stock of forest soil carbon.**  
Parent Item: Forestry and Timber News  
Author: Vanguelova, E.  
Co-author: Morison, J.; Nisbet, T.; Martin, S.  
Imprint: Halesworth, Suffolk : BCPublications for ConFor, August 2015  
Source: Forestry and Timber News 70  
Reference: 26-27 ills.  
Main subject: BRITISH FORESTRY  
Subjects: SOIL; SOIL CARBON; GREENHOUSE GASES; CLIMATE CHANGE; FOREST SOILS; FOREST MANAGEMENT; FORESTRY COMMISSION SCOTLAND; GREAT BRITAIN; UK; FCRA AUTHORS; 2016-FR-CAT-5

Class: AH Library Serials 'F' Room L8; NRS Library Serials  
Bib type: A  
GMD: Periodical article  
Entered: 20/08/2015 b00000317  
Updated: 08/09/2015 B00000115

Record ID 4010929  
**Title:** **Genomic analysis of bacteria associated with acute oak decline.**  
Other titles: Report on Acute Oak Decline (AOD) research - 2014 to March 2015  
Author: Doonan, J.  
Co-author: Denman, S.; McDonald, J.E.  
Imprint: Woodland Heritage Journal, 2015  
Main subject: TREE HEALTH  
Subjects: FCRA AUTHOR; 2016-FR-CAT-5  
Country: uk  
Bib type: M  
GMD: Reports  
Entered: 21/08/2015 B00000115



Record ID 4010945  
**Title:** **Pathogenicity tests carried out at Alice Holt.**  
Other titles: Report on Acute Oak Decline (AOD) research - 2014 to March 2015  
Author: Denman, S.  
Co-author: Plummer, S.; Reed, K.; Sumner, M.; Kirk, S.  
Imprint: Woodland Heritage Journal, 2015  
Main subject: TREE HEALTH  
Subjects: FCRA AUTHORS; 2016-FR-CAT-5  
Country: uk  
Bib type: M  
GMD: Reports  
Entered: 25/08/2015 B00000115

Record ID 4010946  
**Title:** **The two-spotted oak buprestid *Agrilus biguttatus*: new insights into its lifecycle.**  
Other titles: Report on Acute Oak Decline (AOD) research - 2014 to March 2015  
Author: K Reed  
Co-author: D Inward; S Denman  
Imprint: Woodland Heritage Journal, 2015  
Main subject: TREE HEALTH  
Subjects: FCRA AUTHORS; 2016-FR-CAT-5  
Country: uk  
Bib type: M  
GMD: Reports  
Entered: 25/08/2015 B00000115

Record ID 4010947  
**Title:** ***Agrilus biguttatus* 'smells AOD oaks'.**  
Other titles: Report on Acute Oak Decline (AOD) research - 2014 to March 2015  
Author: Sumner, M.  
Co-author: Reed, K.; Vuts, J.; Inward, D.; Denman, S.  
Imprint: Woodland Heritage Journal, 2015  
Main subject: TREE HEALTH  
Subjects: FCRA AUTHORS; 2016-FR-CAT-5  
Country: uk  
Bib type: M  
GMD: Reports  
Entered: 25/08/2015 B00000115

Record ID 4010952  
**Title:** **Insights from mapping and monitoring.**  
Other titles: Report on Acute Oak Decline (AOD) research - 2014 to March 2015  
Author: Brown, N.  
Co-author: Denman, S.  
Imprint: Woodland Heritage Journal, 2015  
Main subject: TREE HEALTH  
Subjects: FCRA AUTHOR; 2016-FR-CAT-5  
Country: uk  
Bib type: M  
GMD: Reports  
Entered: 25/08/2015 B00000115

Record ID 4010981  
**Title:** **FR News August 2015**  
Imprint: Forest Research, August 2105  
Description: e-newsletter

Series: FR News  
Main subject: FOREST RESEARCH  
Subjects: OBSERVATREE; TREE HEALTH; FLOOD RISK MANAGEMENT; MBE; CLIMATE CHANGE; ACUTE OAK DECLINE; TWITTER; ROOT ROT; FOREST HEALTH; ORIENTAL CHESTNUT GALL WASP; CONFOR; FLOOD MANAGEMENT; TREE HEALTH; ADAFOR; BUTT ROT; HETEROBASIDION ANNOSUM; UK; EUROPE; FCRA AUTHORS; 2016-FR-CAT-5  
Country: uk  
Bib type: M  
GMD: text  
Entered: 21/09/2015 b00000317  
Updated: 21/09/2015 b00000317

Record ID 4011020  
**Title: Oriental chestnut gall wasp**  
Parent Item: Quarterly Journal of Forestry  
Author: Morath, S.  
Co-author: Fielding, N.; Tilbury, C.; Jones, B.  
Imprint: Tring, Herts : Geerings of Ashford Ltd for Royal Forestry Society, October 2015  
Source: Quarterly Journal of Forestry Vol 109 No.4  
Reference: 253-258. ill. refs.  
Main subject: INSECT PESTS  
Subjects: ORIENTAL CHESTNUT GALL WASP; DRYOCOSMUS KURIPHILUS; INSECT PEST; TREE PESTS; CASTANEA; TREE HEALTH; CITIZEN SCIENCE; OBSERVATREE; TREE ALERT; KENT; GREAT BRITAIN; UK; FCRA AUTHORS; 2016-FR-CAT-5  
Abstract: News of a recent unwelcome discovery and how 'Citizen science can play an important role in surveying and identification.  
Class: AH Serials 'Q' Room L12; NRS Library Serials  
Bib type: A  
GMD: Periodical article  
Entered: 30/09/2015 b00000317

Record ID 4011021  
**Title: Pinus peuce Griseb., Macedonian or Balkan pine**  
Parent Item: Quarterly Journal of Forestry  
Author: Savill, P.  
Co-author: Mason, B.  
Imprint: Tring, Herts: Geerings of Ashford Ltd for Royal Forestry Society, October 2015  
Source: Quarterly Journal of Forestry Vol. 109 No.4  
Reference: 245-252. ill. refs.  
Main subject: INSECT PESTS  
Subjects: PINUS PEUCE; MACEDONIAN PINE; CLIMATE CHANGE; TREE PESTS; PINES; ALTERNATIVE SILVICULTURE; TREE DISEASES; SEED PRODUCTION; GREAT BRITAIN; UK; FCRA AUTHOR; 2016-FR-CAT-5  
Abstract: Peter Savill and Bill Mason outline the characteristics and highlight the potential of this little used species in the UK.  
Class: AH Serials 'Q' Room L12; NRS Library Serials  
Bib type: A  
GMD: Periodical article  
Entered: 30/09/2015 b00000317

Record ID 4011055  
**Title:** **Scottish Consortium of Rural Research Newsletter, October 2015.**  
Other titles: Meeting shared experiences of climate resilient forestry  
Author: Martin, S.  
Imprint: 2015  
Main subject: FORESTRY  
Subjects: CLIMATE READY FORESTRY LEARNING EXCHANGE; WIND RISK; FORESTGALES;  
SLOPE STABILITY; SOIL EROSION; FLOODING; FCRA CONTRIBUTOR; 2016-FR-  
CAT-5  
Abstract: Article describing an event about climate change and forestry organised by Forest  
Research.  
Class: Electronic resource  
WWW: <http://www.scr.ac.uk/newsletters.php>  
Country: uk  
Bib type: M  
GMD: Reports  
Entered: 12/10/2015 B00000115

**CATEGORY 7 - Scientific conferences: presentations or posters  
given (22 records)**

- Record ID 4010874  
**Title:** **Conference on Hardwood grading, valuing and marketing, held at Newbattle Abbey College, Newbattle Road, Dalkeith, ED22 3LL on 29 - 30 April 2015.**
- Other titles: On shaky ground? Understanding shake defects in oak.  
Author: Price, A.J.E.  
Company: Forestry Commission Scotland  
Imprint: 2015  
Description: verbal and visual presentation  
Main subject: WOOD BIOLOGY  
Subjects: TIMBER; DEFECT; DAMAGE; EARLYWOOD; VESSEL; GROWTH RING; GEOLOGY; SOIL; NUTRITION; STRESSES; FCRA SPEAKER; 2016-FR-CAT-7
- Abstract: Shake is believed to affect about 20% of British oaks. Shake may appear on any site. No fully reliable method exists to identify the defect in standing trees, or predict vulnerable sites without local and historical knowledge. This review seeks to enable risky sites to be identified and avoided for new planting and to help lower risk sites be managed to minimise risk. The following factors will predispose a tree to shake: large earlywood vessel diameter, wounding to the main stem, and abrupt changes in ring width. Predispositions will not lead to shake without an additional aggravating factor or 'trigger' such as poor soil nutrition, poor rooting conditions, drought or waterlogging, and severe external or internal stresses.
- Country: uk  
Bib type: M  
GMD: Conference Presentation  
Entered: 07/05/2015 B00000115
- Record ID 4010876  
**Title:** **IMF Specialist Conference 2015: Forestry and Fisheries - where next? Rheged Centre, Penrith, England, 21-23 April 2014.**
- Other titles: The effects of conifer afforestation on a sensitive freshwater system - the upper Halladale catchment  
Author: Shah, N.  
Company: Institute of Fisheries Management; Eden Rivers Trust  
Imprint: 2015  
Main subject: FOREST MANAGEMENT  
Subjects: 2016-FR-CAT-7; FCRA SPEAKER  
Country: uk  
Bib type: M  
GMD: Conference Presentation  
Entered: 08/05/2015 B00000115
- Record ID 4010877  
**Title:** **IMF Specialist Conference 2015: Forestry and Fisheries - where next? Rheged Centre, Penrith, England, 21-23 April 2014.**
- Other titles: Managing forests in acid sensitive water catchments  
Author: Nisbet, T.  
Company: Institute of Fisheries Management; Eden Rivers Trust  
Imprint: 2015  
Main subject: FOREST MANAGEMENT  
Subjects: 2016-FR-CAT-7; FCRA SPEAKER  
Country: uk  
Bib type: M

GMD: Conference Presentation  
Entered: 08/05/2015 B00000115

Record ID 4010878  
**Title: IMF Specialist Conference 2015: Forestry and Fisheries - where next? Rheged Centre, Penrith, England, 21-23 April 2014.**  
Other titles: Slowing the flow at Pickering - assessing the contribution of large woody debris dams for reducing flood risk  
Author: Thomas, H.  
Company: Institute of Fisheries Management; Eden Rivers Trust  
Imprint: 2015  
Main subject: ENVIRONMENTAL MANAGEMENT  
Subjects: FLOOD RISK MANAGEMENT; FCRA SPEAKER; 2016-FR-CAT-7  
Country: uk  
Bib type: M  
GMD: Conference Presentation  
Entered: 08/05/2015 B00000115

Record ID 4010891  
**Title: European Climate Change Adaptation Conference, Copenhagen, 12-14 May 2015.**  
Other titles: Drivers for decision making amongst forest owners  
Author: Petr, M.  
Imprint: 2015  
Description: Poster and Presentation  
Main subject: CLIMATE CHANGE  
Subjects: FCRA SPEAKER; 2016-FR-CAT-7  
Country: dk  
Bib type: M  
GMD: Conference Presentation  
Entered: 16/06/2015 B00000115

Record ID 4010931  
**Title: Molecular Biology of Plant Pathogens Conference, University of West of England, Bristol, 8-9 April 2015.**  
Other titles: Genomic analysis of bacteria associated with Acute Oak Decline  
Author: Doonan, J.  
Co-author: Denman, S.; McDonald, J.E.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA SPEAKER; 2016-FR-CAT-7  
Abstract: Audience of approx. 100 people, made up of Scientists, mostly PhD, post-doc.  
Country: uk  
Bib type: M  
GMD: Conference Presentation  
Entered: 21/08/2015 B00000115

Record ID 4010932  
**Title: IUFRO Conference, Uppsala, Sweden, 8-12 June 2015. Foliage shoot and stem diseases of forest trees.**  
Other titles: Genomic analysis of bacteria associated with Acute Oak Decline  
Author: Doonan, J.  
Co-author: Denman, S.; McDonald, J.E.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA SPEAKER; 2016-FR-CAT-7  
Abstract: Audience of approx. 150 people, mainly Scientists/Forest Pathologists.

Country: se  
Bib type: M  
GMD: Conference Presentation  
Entered: 21/08/2015 B00000115

Record ID 4010933  
**Title: Molecular Biology of Plant Pathogens Conference, University of West of England, Bristol, 8-9 April 2015.**

Author: Plummer, S.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA CONTRIBUTOR; 2016-FR-CAT-7  
Abstract: Audience of approx. 100 people, made up of Scientists, mostly PhD, post-doc.  
Country: uk  
Bib type: M  
GMD: Conference Poster  
Entered: 21/08/2015 B00000115

Record ID 4010940  
**Title: The British Oak Conference, Weald and Downland, 19th June 2015.**

Other titles: Threats to oak  
Author: Denman, S.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA SPEAKER; 2016-FR-CAT-7  
Country: uk  
Bib type: M  
GMD: Conference Presentation  
Entered: 24/08/2015 B00000115

Record ID 4010941  
**Title: IUFRO Conference, Uppsala, Sweden, 8-12 June 2015. Foliage shoot and stem diseases of forest trees.**

Other titles: Simulating key elements of acute oak decline to produce signs and symptoms in log tests  
Author: Denman, S.  
Co-author: Plummer, S.; Sumner, M.; Reed, K.; Peace, A.; Kirk, S.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA SPEAKERS; 2016-FR-CAT-7  
Abstract: Audience of approx. 150 people, mainly Scientists/Forest Pathologists.  
Country: se  
Bib type: M  
GMD: Conference Presentation  
Entered: 24/08/2015 B00000115

Record ID 4010944  
**Title: British Ecological Society Symposium 2015: The ecology and evolution of immigrating plant pests and pathogens: challenges to global food security and ecosystem resilience, held at Penryn Campus, University of Exeter, Cornwall, 13-14 July 2015.**

Other titles: New insights into the lifecycle of the jewel beetle *Agrilus biguttatus*, and its role in acute oak decline  
Author: Reed, K.  
Co-author: Inward, D.; Leather, S.; Denman, S.  
Company: Forest Research  
Imprint: 2015

Main subject: PATHOGENS  
Subjects: FCRA SPEAKERS; 2016-FR-CAT-7  
Abstract: Audience of approx. 100 scientists (Field, Ecology).  
Country: uk  
Bib type: M  
GMD: Conference Presentation  
Entered: 25/08/2015 B00000115

Record ID 4010948  
**Title:** **9th International Conference on Pseudomonas syringae and related pathogens, Malaga, Spain, 2-5 June 2015.**  
Other titles: Rapid identification of bacteria associated with Acute Oak Decline using HRM analysis  
Author: Brady, C.  
Co-author: Allainguillaume, J.; Denman, S.; Arnold, D.  
Imprint: 2015  
Main subject: PATHOGENS  
Subjects: GIBBSIELLA; BRENNERIA; IDENTIFICATION; FCRA CONTRIBUTORS; 2016-FR-CAT-7  
Abstract: Audience of 80 scientists/researchers.  
Acute oak decline (AOD) is serious and increasing problem in Britain, affecting the native oak species Quercus robur and Q. petraea throughout the Midlands and south to south-east of the country. Symptoms include stem bleeding from vertical cracks between bark plates, stained tissues underlying the bleeding patches and necrosis leading to the formation of cavities in the inner bark. Larval galleries of the bark boring buprestid Agrilus biguttatus are frequently found in close proximity to necrotic tissue. Numerous bacterial strains from several different families have been isolated from necrotic lesions, fluid exudates and occasionally larval galleries of symptomatic trees...  
Country: es  
Bib type: M  
GMD: Conference Poster  
Entered: 25/08/2015 B00000115

Record ID 4010954  
**Title:** **Plant Health for Sustainable Agriculture Conference, Ljubljana, Slovenia, 11-12 May 2015.**  
Other titles: Unravelling interactions in disease complexes and syndromes: the case of Acute Oak Decline.  
Author: Brown, N.  
Co-author: Denman, S.; Xu, X.; van den Bosch, F.; Jeger, M.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA SPEAKERS; 2016-FR-CAT-7  
Abstract: Audience of 100+, comprising International Scientists and policy people working within forests.  
Country: si  
Bib type: M  
GMD: Conference Presentation  
Entered: 25/08/2015 B00000115

Record ID 4010955  
**Title:** **IUFRO Conference, Uppsala, Sweden, 8-12 June 2015. Foliage shoot and stem diseases of forest trees.**  
Other titles: Monitoring forest diseases and syndromes: the case of acute oak decline  
Author: Brown, N.  
Co-author: Parnell, S.; Denman, S.; Filipe, J.; Jeger, M.; van den Bosch, F.  
Imprint: 2015

Main subject: TREE HEALTH  
Subjects: FCRA SPEAKERS; 2016-FR-CAT-7  
Abstract: Audience of approx. 150 people, mainly Scientists/Forest Pathologists.  
Country: se  
Bib type: M  
GMD: Conference Presentation  
Entered: 25/08/2015 B00000115

Record ID 4010956  
**Title: IUFRO Working Party Meeting 7.03.10: Methodology of Forest Insect and Disease Survey in Central Europe: fluctuation of insects and diseases. San Michele all'Adige, Italy, 22-26 June 2015.**

Other titles: Monitoring forest diseases and syndromes: the case of acute oak decline

Author: Brown, N.

Co-author: Parnell, S.; Denman, S.; Filipe, J.; Jeger, M.; van den Bosch, F.

Imprint: 2015

Main subject: TREE HEALTH

Subjects: FCRA SPEAKERS; 2016-FR-CAT-7

Abstract: Audience of approx. 100+ people, comprising International Scientists and policy people working within forests.

Country: se

Bib type: M

GMD: Conference Presentation

Entered: 25/08/2015 B00000115

Record ID 4010961  
**Title: IUFRO Conference, Uppsala, Sweden, 8-12 June 2015. Foliage shoot and stem diseases of forest trees.**

Other titles: Associated bacteria of Agrilus biguttatus sampled from English oak displaying symptoms of acute oak decline.

Author: Lewis, E.

Co-author: Sapp, M.; Kirk, S.; Reed, K.; Inward, D.; Denman, S.; Elphinstone, J.

Imprint: 2015

Main subject: TREE HEALTH

Subjects: FCRA AUTHORS; 2016-FR-CAT-7

Abstract: Audience of approx. 150 people, mainly Scientists/Forest Pathologists.

Country: se

Bib type: M

GMD: Conference Paper

Entered: 08/09/2015 B00000115

Record ID 4010962  
**Title: IUFRO Conference, Uppsala, Sweden, 8-12 June 2015. Foliage shoot and stem diseases of forest trees.**

Other titles: Identification of bacteria associated with the acute oak decline syndrome in England using Next Generation Sequencing

Author: Sapp, M.

Co-author: Lewis, E.; Thwaites, R.; Kirk, S.; Denman, S.; Elphinstone, J.

Imprint: 2015

Main subject: TREE HEALTH

Subjects: FCRA AUTHORS; 2016-FR-CAT-7

Abstract: Audience of approx. 150 people, mainly Scientists/Forest Pathologists.

Country: se

Bib type: M

GMD: Conference Paper

Entered: 08/09/2015 B00000115



Record ID 4011027  
**Title:** IUFRO Section 7.03.05 "Ecology and Management of Bark and Wood Boring Insects" and Section 7.03.12 "Alien Invasive Species and International Trade", 1-4 September 2015, held at Bariloche Eventos & Convenciones, Bariloche, Patagonia, Argentina.  
Other titles: New insights into the lifecycle of the jewel beetle Agrilus biguttatus, and its role in acute oak decline  
Author: Reed, K.  
Co-author: Inward, D.; Leather, S.; Denman, S.  
Company: Forest Research  
Imprint: 2015  
Main subject: PATHOGENS  
Subjects: BUPRESTIDAE; DAY-DEGREES; OAK DECLINE; FCRA SPEAKERS; 2016-FR-CAT-7  
Abstract: Approx. 100 attendees.  
Country: ar  
Bib type: M  
GMD: Conference Presentation  
Entered: 06/10/2015 B00000115

Record ID 4011037  
**Title:** Joint Conference hosted by IUFRO Working Group 1.01.08 (Ecology and Silviculture of Spruce Species) and IUFRO Division 8 (Forest Environment), held at the University of Alberta Conference Centre, Edmonton, Alberta, Canada, August 11th-13th 2015.  
Other titles: How experiments that investigated growing Sitka spruce in mixture change British forestry - and what happened afterwards  
Author: Mason, W.  
Imprint: 2015  
Main subject: FORESTRY  
Subjects: FCRA SPEAKER; 2016-FR-CAT-7  
Country: ca  
Bib type: M  
GMD: Conference Presentation  
Entered: 08/10/2015 B00000115

Record ID 4011038  
**Title:** Joint Conference hosted by IUFRO Working Group 1.01.08 (Ecology and Silviculture of Spruce Species) and IUFRO Division 8 (Forest Environment), held at the University of Alberta Conference Centre, Edmonton, Alberta, Canada, August 11th-13th 2015.  
Other titles: Understanding mixed forests in Europe - findings from EUMixFor  
Author: Mason, W.  
Imprint: 2015  
Main subject: FORESTRY  
Subjects: FCRA SPEAKER; 2016-FR-CAT-7  
Country: ca  
Bib type: M  
GMD: Conference Presentation  
Entered: 08/10/2015 B00000115

Record ID 4011039  
**Title:** Joint Conference hosted by IUFRO Working Group 1.01.08 (Ecology and Silviculture of Spruce Species) and IUFRO Division 8 (Forest Environment), held at the University of Alberta Conference Centre, Edmonton, Alberta, Canada, August 11th-13th 2015.

Other titles: Sitka spruce regeneration and early growth components in the individual tree model  
MOSES\_GB  
Author: Bianchi, S.  
Co-author: Hale, S. et al.  
Imprint: 2015  
Main subject: FORESTRY  
Subjects: FCRA CONTRIBUTOR; 2016-FR-CAT-7  
Country: ca  
Bib type: M  
GMD: Conference Poster  
Entered: 08/10/2015 B00000115

Record ID 4011043  
**Title: MBPP Conference (Student and post-Doc conference at UWE in Bristol 8-9 April 2015: Genomic analysis of bacteria associated with acute oak decline.**

Author: Doonan, J.  
Co-author: Denman, S.; Pachebat, J.; Golyshin, P.N.; McDonald, J.E.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: GENOMICS; BACTERIA; FCRA AUTHORS; 2016-FR-CAT-7  
Abstract: Both species of native oak trees in the UK (*Quercus robur* and *Quercus petraea*) are affected by a Decline syndrome termed Acute Oak Decline (AOD). Black weeping patches on the stems of mature trees are the primary symptom of AOD and indicate the presence of necrotic lesions in the underlying tissue. Two newly described bacterial species, *Gibbsiella quercinecans* and *Brenneria goodwinii* are consistently isolated from necrotic lesions. The aim of this investigation is to identify the presence of genes associated with bacterial pathogenicity. This study used the Illumina MiSeq second generation and Pacific Bioscience third generation sequencing platforms, for the de novo assembly of *Gibbsiella quercinecans* and *Brenneria goodwinii*. This genomic analysis has revealed a number of potential virulence factors. These include Plant Cell Wall Degrading Enzymes (PCWDE) and assorted secretion systems. Similar studies of bacterial associated plant pathogens have indicated that the synchronous relationship of these genes in for example *Pectobacterium carotovorum* leads to maceration of host cell tissue. The annotated genes encompass a suite of virulence factors providing *G. quercinecans* and *B. goodwinii* with the tools to compromise oak tree health. A combination of second and third generation sequencing analysis has provided substantial evidence implicating *Gibbsiella quercinecans* and *Brenneria goodwinii* as potential pathogenic contributors to the Acute Oak Decline syndrome.  
Bib type: A  
GMD: Conference Abstract  
Entered: 09/10/2015 B00000115

## CATEGORY 8 - Other meetings (25 records)

- Record ID 4010879  
**Title:** **A Forestry Practitioners' Workshop, 22-23 April 2015, Byrness Village Hall, Byrness, Northumberland, NE19 1TS.**  
Author: Shah, N.  
Co-author: Nisbet, T.  
Company: Environment Agency; Forestry Commission England; Tyne Rivers Trust  
Imprint: 2015  
Main subject: FOREST MANAGEMENT  
Subjects: FCRA STAFF; 2016-FR-CAT-8  
Abstract: Nadeem Shah and Tom Nisbet attended this Workshop and field visit on the management of runoff and diffuse pollution to achieve Water Framework Directive objectives within the upland forestry management cycle: Lessons and Questions from the Kielder Forest Streams Project.
- Country: uk  
Bib type: M  
GMD: Workshop  
Entered: 08/05/2015 B00000115
- Record ID 4010887  
**Title:** **Forestry Commission New Entrants, Bristol, 29th April 2015.**  
Other titles: The Science of Trees  
Author: Penny, S.  
Company: Forestry Commission  
Imprint: 2015  
Main subject: FOREST RESEARCH  
Subjects: FCRA SPEAKER; 2016-FR-CAT-8; INTRODUCTION  
Abstract: Presented to 30+ new entrants over two sessions giving a general introductory presentation with hands-on activities - an interactive session of 90 minutes.
- Country: uk  
Bib type: M  
GMD: Presentation  
Entered: 15/05/2015 B00000115
- Record ID 4010895  
**Title:** **Research Update at Forest Research, Northern Research Station, Edinburgh on 21st May 2015.**  
Other titles: Tools to assist planning decisions  
Author: Edwards, D.  
Co-author: Saraev, V.; Ray, D.; Rayner, B.; McLean, P.  
Company: Forest Enterprise Scotland; Forest Research  
Imprint: 2015  
Main subject: RESEARCH  
Subjects: SCIENCE; HYLOBIUS MANAGEMENT SUPPORT SYSTEM; TIMBER QUALITY; ECONOMICS; SOILS; ESC; FCRA SPEAKERS; 2016-FR-CAT-8  
Abstract: We hosted Forest Enterprise Scotland staff (mainly Planning Managers and Programme Managers) at NRS as part of one of their business meetings. We looked at topics of interest to this group and particularly some of the tools that we have to help decision making - economic modelling, ESC, Hylobius Management Support system, timber quality and effects of stand density, and a discussion on soils. Jo Ellis, Head of Planning and Environment for FES described it as "a really inspirational day" and looked forward to more of the same in the future.
- Country: uk

Bib type: M  
GMD: Meetings  
Entered: 23/06/2015 B00000115

Record ID 4010896  
**Title:** **New Entrants Course, Silvan House, Edinburgh, 28th May 2015.**  
Author: Penny, S.  
Company: Forestry Commission  
Imprint: 2015  
Main subject: FOREST RESEARCH  
Subjects: FCRA SPEAKER; 2016-FR-CAT-8  
Abstract: Presented to 18 new entrants giving a general introductory presentation with hands-on activities - an interactive session of 60 minutes.

Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 23/06/2015 B00000115

Record ID 4010904  
**Title:** **Various presentations to the Scotia Agricultural Club, 1 July 2015.**  
Author: Quine, C.  
Co-author: Cottrell, J.; Moseley, D.; Penny, S.; McLean, P.  
Company: Forest Research  
Imprint: 2015  
Description: Visit of the Scotia Agricultural Club  
Main subject: FOREST RESEARCH  
Subjects: MOLECULAR TECHNIQUES; ECOSYSTEM SERVICES; COMMUNICATIONS; TIMBER QUALITIES; FCRA SPEAKERS; 2016-FR-CAT-8  
Abstract: 30 visitors of the Scotia Agricultural Club led by Professor John D. Oldham, Professor Emeritus and former Director of Research at SRUC; the Scotia Agricultural Club is a group of current and former members of staff of agriculturally related research organizations, senior ranks of staff at Universities and relevant Government Departments and Agencies in Scotland.

Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 30/07/2015 B00000115

Record ID 4010909  
**Title:** **Confor NPG Industry Meeting, held at Forest Research, Alice Holt Lodge, Wrecclesham, Farnham, Surrey, GU10 4LH, on 1st July 2015.**  
Other titles: Hot-water treatment: a possible method for eradicating Chalara infection from ash fruits.  
Author: McCartan, S.  
Company: Forest Research; Confor  
Imprint: 2015  
Main subject: FORESTRY  
Subjects: SILVICULTURE; NURSERY PRODUCTION; SEED SUPPLY; FORESTRY GRANTS; RESILIENCE; CLIMATE CHANGE; FCRA SPEAKER; 2016-FR-CAT-8  
Abstract: Grant updates; Seed supply updates; Plant Health update; Nursery Assurance Scheme; Presentations; Tours of the seed laboratory, seed extractor and arboretum. Approx. 35 attendees.

Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 30/07/2015 B00000115

Record ID 4010910  
**Title:** **Confor NPG Industry Meeting, held at Forest Research, Alice Holt Lodge, Wrecclesham, Farnham, Surrey, GU10 4LH, on 1st July 2015.**  
Other titles: Upgrading seed lots of European Silver Fir using Imbibition-Drying-Separation.  
Author: McCartan, S.  
Company: Forest Research; Confor  
Imprint: 2015  
Main subject: FORESTRY  
Subjects: SILVICULTURE; NURSERY PRODUCTION; SEED SUPPLY; FORESTRY GRANTS; RESILIENCE; CLIMATE CHANGE; FCRA SPEAKER; 2016-FR-CAT-8  
Abstract: Grant updates; Seed supply updates; Plant Health update; Nursery Assurance Scheme; Presentations; Tours of the seed laboratory, seed extractor and arboretum. Approx. 35 attendees.  
Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 30/07/2015 B00000115

Record ID 4010911  
**Title:** **Confor NPG Industry Meeting, held at Forest Research, Alice Holt Lodge, Wrecclesham, Farnham, Surrey, GU10 4LH, on 1st July 2015.**  
Other titles: Creating resilient forests in the UK for the challenges of the 21st Century.  
Author: Kerr, G.  
Company: Forest Research; Confor  
Imprint: 2015  
Main subject: FORESTRY  
Subjects: SILVICULTURE; NURSERY PRODUCTION; SEED SUPPLY; FORESTRY GRANTS; RESILIENCE; CLIMATE CHANGE; FCRA SPEAKER; 2016-FR-CAT-8  
Abstract: Grant updates; Seed supply updates; Plant Health update; Nursery Assurance Scheme; Presentations; Tours of the seed laboratory, seed extractor and arboretum. Approx. 35 attendees (FR, FC and Forestry sector stakeholders).  
Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 30/07/2015 B00000115

Record ID 4010930  
**Title:** **Defra AOD Meeting, May 2015, held at Alice Holt Research Station, Surrey.**  
Other titles: Molecular analysis of bacteria.  
Author: Doonan, J.  
Co-author: Denman, S.; McDonald, J.E.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA SPEAKER; 2016-FR-CAT-8  
Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 21/08/2015 B00000115

Record ID 4010935  
**Title:** **Internal seminar for FR scientists, held at Forest Research, Farnham, GU10 4LH, UK, January 2015.**  
Other titles: Acute Oak Decline in Britain: A systems approach to a difficult problem.  
Author: Denman, S.  
Co-author: Kirk, S.A.; Plummer, S.; Peace, A.  
Company: Forest Research

Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA SPEAKERS; 2016-FR-CAT-8  
Country: uk  
Bib type: M  
GMD: Seminar Presentation  
Entered: 24/08/2015 B00000115

Record ID 4010937  
**Title: Forestry Commission England, Update Meeting 14th April 2015, held at Forest Research, Farnham, GU10 4LH, UK.**

Other titles: Acute Oak Decline in Britain: an overview and current status.

Author: Denman, S.  
Company: Forest Research; Forestry Commission England  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA SPEAKER; 2016-FR-CAT-8  
Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 24/08/2015 B00000115

Record ID 4010938  
**Title: Defra TH0108 AOD Scientific Meeting, 7th May 2015, held at Forest Research, Farnham, GU10 4LH, UK**

Other titles: Acute Oak Decline in Britain: an overview and current status of pathogenicity testing.

Author: Denman, S.  
Co-author: Kirk, S.A.; Plummer, S.; Peace, A.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA SPEAKERS; 2016-FR-CAT-8  
Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 24/08/2015 B00000115

Record ID 4010939  
**Title: Defra TH0108 AOD Scientific Meeting, 7th May 2015, held at Forest Research, Farnham, GU10 4LH, UK**

Other titles: Acute Oak Decline in Britain: analyses of results of conventional isolation methods used to determine the causes of AOD lesions.

Author: Denman, S.  
Co-author: Kirk, S.A.; Plummer, S.; Barrett, G.; Brady, C.; Hunter, G.; Partridge, J.; Peace, A.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA SPEAKERS; 2016-FR-CAT-8  
Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 24/08/2015 B00000115

Record ID 4010943  
**Title: Defra TH0108 AOD Scientific Meeting, 7th May 2015, held at Forest Research, Farnham, GU10 4LH, UK**

Other titles: The two spotted oak buprestid, Agrilus biguttatus: new insights into its lifecycle  
Author: Reed, K.

Co-author: Inward, D.; Leather, S.; Denman, S.  
Imprint: 2015  
Description: Presentation  
Main subject: TREE HEALTH  
Subjects: FCRA SPEAKER; 2016-FR-CAT-8  
Abstract: Audience of approx. 30, comprising Scientists involved in Defra Contract TH0108.  
Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 25/08/2015 B00000115

Record ID 4010949  
**Title:** **Defra TH0108 AOD Scientific Meeting, 7th May 2015, held at Forest Research, Farnham, GU10 4LH, UK**

Other titles: Determining the pathogenesis of bacteria associated with Acute Oak Decline  
Author: Brady, C.  
Co-author: Arnold, D.; Denman, S.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: AOD; GIBBSIELLA QUERCINECANS; BRENNERIA GOODWINII; PATHOGENESIS; TRANSPOSON; MUTAGENESIS; FCRA SPEAKERS; 2016-FR-CAT-8  
Abstract: Audience of 20 scientists/forest pathologists.  
Acute oak decline (AOD) is serious and increasing problem in Britain, affecting the native oak species Quercus robur and Q. petraea throughout the Midlands and south to south-east of the country. Symptoms include stem bleeding from vertical cracks between bark plates, stained tissues underlying the bleeding patches and necrosis leading to the formation of cavities in the inner bark. Larval galleries of the bark boring buprestid Agrilus biguttatus are frequently found in close proximity to necrotic tissue...  
Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 25/08/2015 B00000115

Record ID 4010953  
**Title:** **Defra TH0108 AOD Scientific Meeting, 7th May 2015, held at Forest Research, Farnham, GU10 4LH, UK**

Other titles: Defining the distribution of AOD affected woodland across England and Wales  
Author: Brown, N.  
Co-author: Parnell, S.; Denman, S.; van den Bosch, F.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA CONTRIBUTORS; 2016-FR-CAT-8  
Abstract: Attended by 25+ people.  
Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 25/08/2015 B00000115

Record ID 4010965  
**Title:** **Defra TH0108 AOD Scientists Meeting, 7 May 2015, held at Forest Research, Farnham, GU10 4LH, UK**

Other titles: Understanding the chemical ecology of host - Agrilus interactions.  
Author: Vuts, J.  
Co-author: Woodcock, C.M.; Sumner, M.; Reed, K.; Denman, S.; Pickett, J.A.; Caulfield J.C.; Inward, D.J.G.; Leather, S.; Birkett, M.A.  
Imprint: 2016

Main subject: TREE HEALTH  
Subjects: FCRA CONTRIBUTORS; 2016-FR-CAT-8  
Abstract: Attended by 25+ people  
Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 11/09/2015 B00000115

Record ID 4011025  
**Title: Forestry Commission New Entrants Course, Silvan House, Edinburgh, 24th September 2015.**

Other titles: The Science of Trees

Author: Penny, S.

Company: Forestry Commission; Forest Research

Imprint: 2015

Main subject: FOREST RESEARCH

Subjects: FCRA SPEAKER; 2016-FR-CAT-8

Abstract: Presented to 17 new entrants giving a general introductory presentation with hands-on activities - an interactive session of 60 minutes. Immediate feedback positive with two attendees (graduate programme) asking for visit to NRS which is being arrange and one delegate joining Forest Science Webinar the day after event.

Country: uk

Bib type: M

GMD: Meetings

Entered: 01/10/2015 B00000115

Record ID 4011028  
**Title: Royal Forestry Society visit to Forest Research, Alice Holt, Farnham, Surrey, on 30th September 2015.**

Other titles: Update on acute oak decline

Author: Denman, S.

Co-author: Reed, K.

Company: Forest Research

Imprint: 2015

Description: Tree pests and diseases

Main subject: TREE HEALTH

Subjects: FCRA SPEAKERS; 2016-FR-CAT-8

Abstract: 35 attended; very positive feedback on the usefulness of the information presented and on the enthusiasm of the research staff presenting. Significant new sign up to FR News achieved and promotion of FR Twitter feed.

Country: uk

Bib type: M

GMD: Meetings

Entered: 06/10/2015 B00000115

Record ID 4011029  
**Title: Royal Forestry Society visit to Forest Research, Alice Holt, Farnham, Surrey, on 30th September 2015.**

Other titles: Update on oak processionary moth and pests and diseases of horse chestnut

Author: Straw, N.

Company: Forest Research

Imprint: 2015

Description: Tree pests and diseases

Main subject: TREE HEALTH

Subjects: FCRA SPEAKER; 2016-FR-CAT-8



Abstract: 35 attended; very positive feedback on the usefulness of the information presented and on the enthusiasm of the research staff presenting. Significant new sign up to FR News achieved and promotion of FR Twitter feed.

Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 06/10/2015 B00000115

Record ID 4011030  
**Title: Royal Forestry Society visit to Forest Research, Alice Holt, Farnham, Surrey, on 30th September 2015.**

Other titles: Current and emerging tree diseases in the UK

Author: Gorton, C.  
Company: Forest Research  
Imprint: 2015

Description: Tree pests and diseases

Main subject: TREE HEALTH

Subjects: FCRA SPEAKER; 2016-FR-CAT-8

Abstract: 35 attended; very positive feedback on the usefulness of the information presented and on the enthusiasm of the research staff presenting. Significant new sign up to FR News achieved and promotion of FR Twitter feed.

Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 06/10/2015 B00000115

Record ID 4011031  
**Title: Royal Forestry Society visit to Forest Research, Alice Holt, Farnham, Surrey, on 30th September 2015.**

Other titles: Our changing climate and alternative tree species – a visit to Alice Holt Arboretum

Author: Jinks, R.  
Company: Forest Research  
Imprint: 2015

Description: Tree pests and diseases

Main subject: TREE HEALTH

Subjects: FCRA SPEAKER; 2016-FR-CAT-8

Abstract: 35 attended; very positive feedback on the usefulness of the information presented and on the enthusiasm of the research staff presenting. Significant new sign up to FR News achieved and promotion of FR Twitter feed.

Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 06/10/2015 B00000115

Record ID 4011032  
**Title: Royal Forestry Society visit to Forest Research, Alice Holt, Farnham, Surrey, on 30th September 2015.**

Author: Martin, S.  
Company: Forest Research  
Imprint: 2015

Description: Hosted event on Tree pests and diseases

Main subject: TREE HEALTH

Subjects: FCRA CONTRIBUTOR; 2016-FR-CAT-8

Abstract: 35 attended; very positive feedback on the usefulness of the information presented and on the enthusiasm of the research staff presenting. Significant new sign up to FR News achieved and promotion of FR Twitter feed.

Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 06/10/2015 B00000115

Record ID 4011034  
**Title: Tree Health Event, Worcestershire Federation of Young Farmers, Worcester, 5th October 2015.**  
Author: Parratt, M.  
Co-author: Gill, R.  
Company: Forest Services England, West Midlands  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: ASH TRIALS; GREY SQUIRRELS; FCRA SPEAKERS; 2016-FR-CAT-8  
Abstract: Two presentations to an audience of (50) forestry and landuse stakeholders as part of a Tree Health Event run by Forest Services England staff.  
Event sessions tweeted on the day  
Presentations by Matt Parratt (Ash Trials) and Robin Gill (squirrels)

Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 08/10/2015 B00000115

Record ID 4011035  
**Title: New Entrants Meeting, FC Bristol Office, 7th October 2015**  
Other titles: The Science of Trees  
Author: Penny, S.  
Company: Forestry Commission  
Imprint: 2015  
Description: An introduction to Forest Research  
Main subject: FOREST RESEARCH  
Subjects: FCRA SPEAKER; 2016-FR-CAT-8  
Abstract: Presented to 32 new entrants over two sessions giving a general introductory presentation with hands-on activities - an interactive session of 90 minutes.

Country: uk  
Bib type: M  
GMD: Meetings  
Entered: 08/10/2015 B00000115

## CATEGORY 9 - Media (41 records)

- Record ID 4010806  
**Title:** Media coverage in the Quarterly Journal of Forestry, 1st July 2014  
Other titles: Features - The Living Ash Project: a new breeding programme for ash  
Imprint: Quarterly Journal of Forestry, 2014  
Main subject: TREE HEALTH  
Subjects: 2015-FR-CAT-9  
Abstract: Following the outbreak of Chalara ash dieback in October 2012, a consortium of researchers has come together to form The Living Ash Project. Their aim is to secure the future of resilient, productive ash trees in Britain. Jo Clark reports on this new Defra-funded five year programme of research. In October 2013 the Living Ash Project was launched, led by Earth Trust and working with Forest Research, Future Trees Trust and the Sylva Foundation. The project, funded by Defra with in-kind contributions from the partners, has the overall aim of finding trees tolerant of Chalara ash dieback and to bring them together in a breeding programme. The partners have been working on ash breeding for over twenty years. Ash was the first species that the Future Trees Trust started work with in 1993, when they established four progeny trials for ash of British origin. Forest Research planted provenance trials in 1995 of UK and European origins, and an EU funded project called RAP (Realising Ashes Potential) established a Europe-wide provenance collection from across the geographic range of ash in 2003. In addition, in 2007 Forest Research established trials from each of the 24 UK native seed zones under their genetic conservation programme. Five trials looking at adaptation to climate change were planted from Inverness to the Pyrenees in 2009 by Earth Trust. More recently, the Future Trees Trust have selected over 400 trees of outstanding phenotype for...  
Another work programme is concerned with the mass screening of the seed collected in 2012 from our tested seed orchards. This programme is being led by Forest Research. The seed will enter stratification summer 2014 with the expectation of establishing seedling trials spring 2016. Forest Research will be looking for three sites each of 2.5ha in the east of England where Chalara ash dieback is already present. Anyone interested in offering a planting site should contact Steve Lee (steve.lee@forestry.gsi.gov.uk). All establishment costs are covered by the Living Ash Project, but obviously, we are expecting the vast majority of seedlings to die. In another work programme we are carrying out phenological observations.
- Country: uk  
Bib type: M  
GMD: Media  
Entered: 21/04/2015 B00000115
- Record ID 4010967  
**Title:** News Release. University of York, 8 September 2015.  
Other titles: Ants on the march in non-native conifer forests  
Company: University of York; Forest Research  
Imprint: 2015  
Main subject: FORESTRY  
Subjects: FCRA CONTRIBUTORS; 2016-FR-CAT-9  
Abstract: A species of ant is thriving in habitats created by thousands of acres of coniferous forest planted in a UK National Park in the last 60 years, according to new research by scientists from the Department of Biology at the University of York and Forest Research, the Forestry Commission's research agency.
- Class: Electronic resource  
Country: uk  
Bib type: M

GMD: Media  
Entered: 11/09/2015 B00000115

Record ID 4010980  
**Title:** **Making local woods work for community enterprises**  
Author: Green Building Press  
Imprint: 25 June 2015  
Source: Green Building Press  
Main subject: FORESTRY  
Subjects: BIG LOTTERY FUND; PLUNKETT FOUNDATION; MAKING LOCAL WOODS WORK;  
WOODLAND MANAGEMENT; WOODLAND SOCIAL ENTERPRISES; UK; 2016-FR-  
CAT-9  
WWW: [http://www.greenbuildingpress.co.uk/article.php?article\\_id=2134](http://www.greenbuildingpress.co.uk/article.php?article_id=2134)  
Bib type: A  
GMD: text  
Entered: 21/09/2015 b00000317  
Updated: 21/09/2015 b00000317

Record ID 4010982  
**Title:** **New parliamentary group to promote forestry sector**  
Author: Bacon, J.  
Imprint: Pro Arb Magazine, July 5th 2015  
Source: Pro Arb Magazine  
Main subject: FOREST POLICY  
Subjects: FORESTRY; FOREST POLICY; WOOD PROCESSING; WOOD PROCESSING  
INDUSTRIES; CONFOR; SUSTAINABLE FORESTRY; TIMBER; TIMBER  
PRODUCTION; APPGF; UK; 2016-FR-CAT-9  
WWW: <http://proarbmagazine.com/new-parliamentary-group-to-promote-forestry-sector/>  
Bib type: A  
GMD: text  
Entered: 21/09/2015 b00000317  
Updated: 21/09/2015 b00000317

Record ID 4010983  
**Title:** **Forest of Dean wild boar numbers double despite cull**  
Author: BBC News  
Imprint: UK : BBC News, 24 July 2015  
Source: BBC NEWS  
Main subject: WILD ANIMALS  
Subjects: FORESTRY COMMISSION; WILD BOAR; CULLING; WOODLAND ECOLOGY;  
WOODLAND MANAGEMENT; FOREST OF DEAN; UK; 2016-FR-CAT-9; THERMAL  
IMAGING  
WWW: <http://www.bbc.co.uk/news/uk-england-gloucestershire-33648362>  
Bib type: A  
GMD: text  
Entered: 21/09/2015 b00000317  
Updated: 21/09/2015 b00000317

Record ID 4010984  
**Title:** **Look: Hidden war being waged in Welsh forest as tiny killers target destructive invaders**  
Author: Forgrave, A.  
Imprint: Daily Post, 31 May 2015  
Source: Daily Post  
Main subject: PEST MANAGEMENT

Subjects: HYLOBIUS ABIETIS; METARHIZIUM ANISOPLIAE; PINE WEEVIL; BIOLOGICAL CONTROL; IMPACT; TREE PESTS; CLIMATE CHANGE; TIMBER PRODUCTS; FORESTRY; RHIZOPHAGUS GRANDIS; GREAT SPRUCE BARK BEETLE; WALES; 2016-FR-CAT-9  
 WWW: <http://www.dailypost.co.uk/news/local-news/look-hidden-war-being-waged-9357818>  
 Bib type: A  
 GMD: text  
 Entered: 21/09/2015 b00000317  
 Updated: 21/09/2015 b00000317

Record ID 4010985  
**Title:** **Citizen science project Observatree to benefit UK tree health**  
 Imprint: Institute of Chartered Foresters, 28 May 2015  
 Source: Institute of Chartered Foresters  
 Main subject: TREE HEALTH  
 Subjects: OBSERVATREE; FORESTRY COMMISSION; FOREST RESEARCH; TREE DISEASE; PESTS; NGO; FORESTRY SECTOR; TREE DISEASES; DEFRA; NATURAL RESOURCES WALES; FERA; NATIONAL TRUST; UK; 2016-FR-CAT-9  
 WWW: <http://www.charteredforesters.org/news/item/385-observatree-citizen-science-tree-health/>  
 Bib type: A  
 GMD: text  
 Entered: 21/09/2015 b00000317

Record ID 4010987  
**Title:** **Look: Hidden war being waged in Welsh forest as tiny killers target destructive invaders**  
 Imprint: Pro Arb magazine, 1 June 2015  
 Source: Pro Arb Magazine  
 Main subject: PEST MANAGEMENT  
 Subjects: HYLOBIUS ABIETIS; METARHIZIUM ANISOPLIAE; PINE WEEVIL; BIOLOGICAL CONTROL; IMPACT; TREE PESTS; CLIMATE CHANGE; TIMBER PRODUCTS; FORESTRY; RHIZOPHAGUS GRANDIS; GREAT SPRUCE BARK BEETLE; WALES; 2016-FR-CAT-9  
 WWW: <http://proarbmagazine.com/hidden-war-being-waged-in-welsh-forests-as-tiny-killers-target-destructive-invaders/>  
 Bib type: A  
 GMD: text  
 Entered: 21/09/2015 b00000317

Record ID 4010988  
**Title:** **Project's biological controls and monitoring keep lid on Wales' forest pests**  
 Author: McEwan, G.  
 Imprint: UK: Horticulture Week, 2 June 2015  
 Source: Horticulture Week  
 Main subject: PEST CONTROL  
 Subjects: IMPACT; FOREST RESEARCH; RHIZOPHAGUS GRANDIS; GREAT SPRUCE BARK BEETLE; DENDROCTONUS MICANS; TREE PESTS; NEMATODES; FUNGI; HYLOBIUS ABIETIS; PINE WEEVIL; FOREST PESTS; FOREST HEALTH; WALES; 2016-FR-CAT-9  
 WWW: <http://www.hortweek.com/projects-biological-controls-monitoring-keep-lid-wales-forest-pests/arboriculture/article/1349711>  
 Bib type: A  
 GMD: text  
 Entered: 21/09/2015 b00000317

Record ID 4010989

**Title:** **Observatree: an early warning system for health**  
 Imprint: Forestry Journal Magazine, 1 June 2016  
 Source: Forestry Journal Magazine  
 Subjects: PESTS; PESTS AND DISEASES; TREE DISEASES; TREE DISEASE; CHALARA; CHALARA FRAXINEA; FOREST PATHOLOGY; FOREST RESEARCH; FORESTRY COMMISSION; DEFRA; FERA; NATIONAL TRUST; NATURAL RESOURCES WALES; WOODLAND TRUST; CITIZEN SCIENCE; VOLUNTEERS; UK; 2016-FR-CAT-9  
  
 Bib type: A  
 GMD: text  
 Entered: 21/09/2015 b00000317  
  
 Record ID 4010990  
**Title:** **Gin's return a real tonic for UK bars, distillers and plant growers**  
 Author: Williams, R.  
 Imprint: UK : The Guardian, 14 June 2015  
 Source: The Guardian  
 Main subject: PLANTS  
 Subjects: GIN; JUNIPER; FORESTRY COMMISSION; PLANTING; BOX HILL; UK; 2016-FR-CAT-9; SURREY  
 WWW: <http://www.theguardian.com/lifeandstyle/2015/jun/14/gins-return-a-real-tonic-for-uk-bars-distillers-and-plant-growers>  
  
 Bib type: A  
 GMD: text  
 Entered: 22/09/2015 b00000317  
 Updated: 22/09/2015 b00000317  
  
 Record ID 4010991  
**Title:** **Ash dieback research, funding and policy news - 16 June 2015**  
 Imprint: UK : The UK Plant Sciences Federation, 16 June 2015  
 Source: The UK Plant Sciences Federation  
 Main subject: TREE HEALTH  
 Subjects: ASH; ASH DIEBACK; CHALARA ASH DIEBACK; CHALARA FRAXINEA; OBSERVATREE; TREE HEALTH; PESTS AND DISEASES; PESTS; TREE DISEASES; GREAT BRITAIN; UK; 2016-FR-CAT-9  
 WWW: <http://treehealth.plantsci.org.uk/ash-dieback-research-funding-and-policy-news-16-june-2015/>  
  
 Bib type: A  
 GMD: text  
 Entered: 22/09/2015 b00000317  
  
 Record ID 4010992  
**Title:** **Seminar puts focus on collaborative approaches to ash dieback**  
 Author: McEwan, G.  
 Imprint: UK : Horticulture Week, 19 June 2015  
 Source: Horticulture Week  
 Main subject: TREE HEALTH  
 Subjects: ASH; ASH DIEBACK; CHALARA ASH DIEBACK; CHALARA FRAXINEA; TREE HEALTH; PESTS AND DISEASES; PESTS; TREE DISEASES; GREAT BRITAIN; UK; 2016-FR-CAT-9; FOREST RESEARCH; WOODLAND TRUST  
 WWW: <http://www.hortweek.com/seminar-puts-focus-collaborative-approaches-ash-dieback/arboriculture/article/1352315?HAYILC=TOPIC>  
  
 Bib type: A  
 GMD: text  
 Entered: 22/09/2015 b00000317

Record ID 4010993  
**Title:** **Forest technician made an MBE**  
Imprint: Farnham, UK: Farnham Herald, 18 June 2015  
Source: Farnham Herald  
Main subject: FOREST RESEARCH  
Subjects: MBE; SUSAN KIRK; QUEEN S BIRTHDAY HONOURS LIST; FARNHAM; SURREY;  
GREAT BRITAIN; UK; 2016-FR-CAT-9  
WWW: [http://www.farnhamherald.com/news.cfm?id=37355&headline=Forest technician made an MBE](http://www.farnhamherald.com/news.cfm?id=37355&headline=Forest%20technician%20made%20an%20MBE)  
Bib type: A  
GMD: text  
Entered: 22/09/2015 b00000317

Record ID 4010994  
**Title:** **Introducing 'treeconomics': how street trees can save our cities**  
Author: Barkham, P.  
Imprint: UK : The Guardian, 15 August 2015  
Source: The Guardian  
Main subject: URBAN TREES  
Subjects: URBAN TREES; URBAN AREAS; i-Tree; TREECONOMICS; LONDON PLANE;  
ECOSYSTEM SERVICES; TREE DISEASES; SHEFFIELD; LONDON; GREAT  
BRITAIN; GREAT BRITAIN; UK; 2016-FR-CAT-9  
WWW: <http://www.theguardian.com/cities/2015/aug/15/treeconomics-street-trees-cities-sheffield-itree>  
Bib type: A  
GMD: text  
Entered: 22/09/2015 b00000317

Record ID 4010995  
**Title:** **How we're protecting our woodlands from climate change**  
Imprint: UK: DEFRA intranet, 11 August 2015  
Source: DEFRA intranet  
Main subject: CLIMATE CHANGE  
Subjects: ENVIRONMENTAL CHANGE; WOODLAND MANAGEMENT; WOODLAND POLICY;  
POLICY DECISIONS; HABITAT DIVERSITY; Climate Change Accord; SEASONS;  
FOREST RESEARCH; FORESTRY COMMISSION; EA; GREAT BRITAIN; UK; 2016-FR-  
CAT-9  
WWW: <https://intranet.defra.gov.uk/news/how-were-protecting-our-woodlands-from-climate-change/>  
Bib type: A  
GMD: text  
Entered: 22/09/2015 b00000317

Record ID 4010996  
**Title:** **FC England to run field demonstrations of small-scale forestry equipment - off-site of Confor Woodland Show**  
Imprint: Confor, 1 September 2015  
Source: Confor  
Main subject: FOREST MACHINERY  
Subjects: FORESTRY COMMISSION; TECHNICAL DEVELOPMENT BRANCH; FOREST  
RESEARCH; CONFOR WOODLAND SHOW 2015; MACHINERY; FOREST  
MACHINERY; HARVESTING; EXTRACTION; BROADLEAF WOODLANDS; ENGLAND;  
UK; 2016-FR-CAT-9  
WWW: <http://www.confor.org.uk/NewsAndEvents/News.aspx?pid=23&id=2856>  
Bib type: A  
GMD: text

Entered: 22/09/2015 b00000317

Record ID 4010997  
**Title:** **European recognition for Forest Research laboratory services**  
 Imprint: UK : Horticulture Week, 27 August 2015  
 Source: Horticulture Week  
 Main subject: FOREST RESEARCH  
 Subjects: FORESTRY COMMISSION; WATER ANALYSIS; ICP FORESTS; SOIL ANALYSIS; COMPARISON; ALICE HOLT; ENGLAND; UK; 2016-FR-CAT-9  
 WWW: <http://www.hortweek.com/european-recognition-forest-research-laboratory-services/plant-health/article/1361840>  
 Bib type: A  
 GMD: text  
 Entered: 22/09/2015 b00000317

Record ID 4010998  
**Title:** **Forest Research Ranked First for Lab Performance**  
 Imprint: UK : Institute of Chartered Foresters, 28 August 2015  
 Source: Institute of Chartered Foresters  
 Main subject: FOREST RESEARCH  
 Subjects: LABORATORY SERVICES; FORESTRY COMMISSION; SOIL ANALYSIS; WATER ANALYSIS; PLANT ANALYSIS; PLANT MATERIAL; FARNHAM; UK; 2016-FR-CAT-9  
 WWW: [http://www.charteredforesters.org/news/item/414-forest-research-top-performing-lab/?utm\\_source=Subscriber+Integrated+List&utm\\_campaign=8f3955c719-eneews\\_september\\_2015\\_non\\_members&utm\\_medium=email&utm\\_term=0\\_53ce178b90-8f3955c719-88450433](http://www.charteredforesters.org/news/item/414-forest-research-top-performing-lab/?utm_source=Subscriber+Integrated+List&utm_campaign=8f3955c719-eneews_september_2015_non_members&utm_medium=email&utm_term=0_53ce178b90-8f3955c719-88450433)  
 Bib type: A  
 GMD: text  
 Entered: 24/09/2015 b00000317

Record ID 4010999  
**Title:** **Project to reduce flooding in Pickering now complete**  
 Imprint: UK: Minster FM News, 2 September 2015  
 Source: Minster FM News  
 Main subject: FOREST RESEARCH  
 Subjects: FLOOD RISK MANAGEMENT; FLOOD MANAGEMENT; FLOOD CONTROL; SLOWING THE FLOW; DEFRA; ENVIRONMENT AGENCY; FOREST RESEARCH; PLANTING; FORESTRY COMMISSION; PICKERING BECK; 2016-FR-CAT-9  
 WWW: <http://www.minsterfm.com/news/local/1719317/project-to-reduce-flooding-in-pickering-now-complete/>  
 Bib type: A  
 GMD: text  
 Entered: 24/09/2015 b00000317

Record ID 4011003  
**Title:** **Urban tree canopy cover comparison tool goes live online**  
 Author: McEwan, G.  
 Imprint: Horticulture Week, 21 April 2015  
 Source: Horticulture Week  
 Main subject: TREES  
 Subjects: TREE CANOPY; 2016-FR-CAT-9  
 WWW: <http://www.hortweek.com/urban-tree-canopy-cover-comparison-tool-goes-live-online/arboriculture/article/1343668>  
 Bib type: A  
 GMD: text  
 Entered: 24/09/2015 b00000317



Record ID 4011004  
**Title:** **Scientists plan to cut insect pests down to size by turning their own hormones against them**  
Imprint: University of Glasgow, 27 April 2015  
Source: PHYS ORG  
Main subject: INSECT PESTS  
Subjects: PESTICIDES; MOTHS; BENEFICIAL INSECTS; nEUROSTRESSPEP; NEUROPEPTIDES; 2016-FR-CAT-9  
WWW: <http://phys.org/news/2015-04-scientists-insect-pests-size-hormones.html>  
Bib type: A  
GMD: text  
Entered: 24/09/2015 b00000317

Record ID 4011008  
**Title:** **Observatree to bring people power to reporting disease**  
Imprint: Chartered Forester, Summer 2015  
Source: Chartered Forester  
Main subject: PESTS  
Subjects: 2016-FR-CAT-9  
Bib type: A  
GMD: text  
Entered: 25/09/2015 b00000317

Record ID 4011009  
**Title:** **New pest found in Kent**  
Imprint: UK: Chartered Forester, Summer 2015  
Source: Chartered Forester  
Main subject: PESTS  
Subjects: 2016-FR-CAT-9  
Bib type: A  
GMD: text  
Entered: 25/09/2015 b00000317

Record ID 4011010  
**Title:** **Forests of Data**  
Imprint: UK: Chartered Forester, Summer 2015  
Source: Chartered Forester  
Main subject: TREES  
Subjects: 2016-FR-CAT-9  
Bib type: A  
GMD: text  
Entered: 25/09/2015 b00000317

Record ID 4011011  
**Title:** **WrEN research**  
Imprint: UK: The National Forest, summer 2015  
Series: Forest Scene  
Source: Forest Scene  
Main subject: WOODLANDS  
Subjects: 2016-FR-CAT-9  
Bib type: A  
GMD: text  
Entered: 25/09/2015 b00000317

Record ID 4011012

**Title:** Oak Processionary Moth update  
Imprint: UK: Forestry & Timber News, June 2015  
Source: Forestry & Timber News  
Main subject: PESTS  
Subjects: 2016-FR-CAT-9  
Bib type: A  
GMD: text  
Entered: 25/09/2015 b00000317

Record ID 4011014  
**Title:** Tree health early warning system launched  
Author: Hutchinson, K.  
Imprint: UK: Forestry & Timber News, June 2015  
Source: Forestry & Timber News  
Main subject: TREE HEALTH  
Subjects: 2016-FR-CAT-9  
Bib type: A  
GMD: text  
Entered: 25/09/2015 b00000317

Record ID 4011015  
**Title:** Woodland heritage for a woodland culture  
Author: Kaiser, S.  
Imprint: UK: Forestry & Timber News, June 2015  
Source: Forestry & Timber News  
Main subject: WOODLANDS  
Subjects: 2016-FR-CAT-9  
Bib type: A  
GMD: text  
Entered: 25/09/2015 b00000317

Record ID 4011016  
**Title:** Meet and greet at the Royal Welsh Show  
Imprint: UK: Chartered Forester, Spring 2015  
Source: Chartered Forester  
Main subject: CAREER DEVELOPMENT  
Subjects: 2016-FR-CAT-9  
Bib type: A  
GMD: text  
Entered: 25/09/2015 b00000317

Record ID 4011022  
**Title:** Forest of Dean wild boar survey reveals "disappointing" trend  
Author: PW Reporters  
Imprint: Pig World, July 27 2015  
Source: Pig World  
Main subject: WILD ANIMALS  
Subjects: 2016-FR-CAT-9  
WWW: <http://www.pig-world.co.uk/features/animal-health-features/forest-of-dean-wild-boar-survey-reveals-disappointing-trend.html>  
Bib type: A  
GMD: text  
Entered: 01/10/2015 b00000317

Record ID 4011033  
**Title:** **BBC4 - Oak Tree: nature's greatest survivor, 1st October 2015.**  
Author: Casella, E.  
Imprint: 2015  
Main subject: TREE HEALTH  
Subjects: FCRA CONTRIBUTOR; 2016-FR-CAT-9  
Abstract: Interest is mounting in the BBC4 programme due to be shown in October, which is following a year in the life of a 400 year-old native oak tree at Wytham Woods. Dr Eric Casella from Forest Research (The UK Forestry Commission Research Agency) was working with the BBC and the Wytham Woods team on the documentary, which uses innovative filming techniques to reveal the complex and fascinating biology of the oak tree and the lengths it goes to in order to survive. Dr Casella first visited Wytham Woods in August 2014 to laser scan the tree using a technique called Light Detection and Ranging (LiDAR). The scanner shoots out millions of pulses of light in every direction to make a 3D image of an object and its surrounding environment. The tree was rescanned again earlier this year without its leaves and fascinating animations were computer-generated by Eric; available on YouTube <https://youtu.be/1pEFIXSgBvM> - <https://youtu.be/JKLejraBkUA>  
Dr George McGavin, from the Natural History Museum, is presenting the show.  
Class: Electronic resource  
WWW: <http://www.bbc.co.uk/mediacentre/proginfo/2015/39/the-oak-tree>  
Country: uk  
Bib type: M  
GMD: Media  
Entered: 06/10/2015 B00000115

Record ID 4011044  
**Title:** **Understanding public risk concerns about tree health**  
Imprint: Rural Economy and Land Use network, October 2015  
Source: Rural Economy and Land Use network  
Main subject: TREE HEALTH  
Subjects: 2016-FR-CAT-9  
Bib type: A  
GMD: text  
Entered: 09/10/2015 b00000317  
Updated: 09/10/2015 b00000317

Record ID 4011045  
**Title:** **Citizen scientists play key role in multi agency tree health project**  
Imprint: Rural Economy and Land Use network, October 2015  
Source: Rural Economy and Land Use network  
Main subject: TREE HEALTH  
Subjects: 2016-FR-CAT-9  
Bib type: A  
GMD: text  
Entered: 09/10/2015 b00000317  
Updated: 09/10/2015 b00000317

Record ID 4011046  
**Title:** **Ants on the march in non native conifer forests**  
Imprint: UK: Phys.org, 8 September 2015  
Source: Phys.org  
Main subject: FOREST  
Subjects: 2016-FR-CAT-9  
WWW: <http://phys.org/news/2015-09-ants-non-native-conifer-forests.html>  
Bib type: A

GMD: text  
Entered: 09/10/2015 b00000317  
Updated: 09/10/2015 b00000317

Record ID 4011047  
**Title:** **Plunkett Foundation gets £1m grant to create 50 community woodlands**  
Author: Kidd, M-C.  
Imprint: UK: Co-operative News, 11 September 2015  
Source: Co-operative News  
Main subject: COMMUNITY WOODLANDS  
Subjects: 2016-FR-CAT-9  
WWW: <http://www.thenews.coop/97386/news/general/woodland-communities-receive-access-1m-enterprise-fund/>  
Bib type: A  
GMD: text  
Entered: 09/10/2015 b00000317

Record ID 4011048  
**Title:** **York experts' ant research forces forestry rethink**  
Author: Mackie, D.  
Imprint: UK: York Press, 12 September 2015  
Source: York Press  
Main subject: FOREST  
Subjects: 2016-FR-CAT-9  
WWW: [http://www.yorkpress.co.uk/news/13713207.York\\_experts\\_\\_ant\\_research\\_forces\\_forestry\\_\\_rethink/](http://www.yorkpress.co.uk/news/13713207.York_experts__ant_research_forces_forestry__rethink/)  
Bib type: A  
GMD: text  
Entered: 09/10/2015 b00000317

Record ID 4011049  
**Title:** **A year in the life of an oak tree**  
Imprint: UK: Estates Service - University of Oxford, October 2015  
Series: Estates Service News  
Source: Estates Service - University of Oxford  
Main subject: TREES  
Subjects: 2016-FR-CAT-9;  
WWW: <http://www.admin.ox.ac.uk/estates/bulletin/comingup/>  
Bib type: A  
GMD: text  
Entered: 09/10/2015 b00000317

Record ID 4011051  
**Title:** **Oak Tree: natures greatest survivor review - a lovely film about a bearded insect botherer and a single tree**  
Author: Wollaston, S.  
Imprint: UK: The Guardian, 2 October 2015  
Source: The Guardian  
Main subject: TREES  
Subjects: 2016-FR-CAT-9  
WWW: <http://www.theguardian.com/tv-and-radio/2015/oct/02/oak-tree-natures-greatest-survivor-review-a-lovely-film-about-a-bearded-insect-botherer-and-a-single-tree>  
Bib type: W  
GMD: text  
Entered: 09/10/2015 b00000317

Record ID 4011053  
**Title:** **Oak Tree: Nature's greatest survivor, review: 'lovingly made'**  
Author: Hogan, M.  
Imprint: UK: The Telegraph, 1 October 2015  
Source: The Telegraph  
Main subject: TREES  
Subjects: 2016-FR-CAT-9  
WWW: <http://www.telegraph.co.uk/culture/tvandradio/tv-and-radio-reviews/11905095/Oak-Tree-Natures-Greatest-Survivor-review-lovingly-made.html>  
Bib type: A  
GMD: text  
Entered: 09/10/2015 b00000317

Record ID 4011054  
**Title:** **Oak Tree: Nature's greatest survivor, TV review: the ultimate tree-hugger who spent the night in a 400-year-old oak**  
Author: O'Grady, S.  
Imprint: UK : Independant, 1 Ocotber 2015  
Source: Independant  
Main subject: TREES  
Subjects: 2016-FR-CAT-9  
WWW: <http://www.independent.co.uk/arts-entertainment/tv/reviews/oak-tree-natures-greatest-survivor-tv-review-the-ultimate-tree-hugger-who-spent-the-night-in-a-400-a6676191.html>  
Bib type: A  
GMD: text  
Entered: 09/10/2015 b00000317

**CATEGORY 11 – Other audiences and other delivery channels**  
**(4 records)**

- Record ID 4010885  
**Title:** **ICF National Conference 2015: Tree Health, Resilience & Sustainability, Angel Hotel, Cardiff, 22-23 April 2015.**
- Author: Penny, S.  
Company: ICF  
Imprint: 2015  
Description: Exhibition stand staffing  
Main subject: TREE HEALTH  
Subjects: FCRA STAFF; 2016-FR-CAT-11; PESTS; DISEASE; EDUCATION; OUTBREAKS; BIOSECURITY
- Abstract: Around 250 at this conference that included delegates and speakers from overseas. FR was given display space and focussed this mainly on our general work as well as focussing on People, Information, News, and Expertise. We showed examples of a range of FR publications. RLOs were present to answer questions and encourage sign up to newsletter and event mailing lists as well as showing those interested the new-look website and also tree alert via i-pads. James Pendlebury reported very good feedback on the FR attendance at the event.  
FR was mentioned in many talks (sometimes as partner etc).
- WWW: <http://www.charteredforesters.org/tree-health-resources/>  
Country: uk  
Bib type: M  
GMD: Exhibitions  
Entered: 15/05/2015 B00000115
- Record ID 4010890  
**Title:** **Central Scotland Green Network Forum, Edinburgh Conference Centre, 2 June 2015**
- Other titles: Creating greenspace for health and well being  
Author: Martin, S.  
Co-author: Doick, K.  
Company: Central Scotland Green Network  
Imprint: 2015  
Main subject: SOCIAL FORESTRY  
Subjects: GREENSPACE; URBAN TREES; HEALTH; WELL BEING; EQUALITY; ITREE; FCRA STAFF; 2016-FR-CAT-11
- Notes: Suzanne Martin staffed a stand promoting FR urban and social and economic research. Kieron Doick gave a presentation on methods for calculating the ecosystem service values of urban greenspace, e.g. Itree.
- Abstract: The 2015 CSGN Forum focussed on urban greening, emphasising the CSGN's links to the Scottish Government's agendas on placemaking, town centres, climate change, and tackling health inequalities. Over 200 delegates attended this year's event. Colleagues from Scottish Government and its agencies, the public, private and NGO sectors, practitioners and academics interested in policy, planning, design, green networks and community and health attended. It provided an opportunity to speak with Bridget Campbell, the new Director for Environment and Forestry in Scottish Government and to speak with Julia Thrift, Head of Projects and Events, Town and Country Planning Association.
- WWW: <http://www.centalscotlandgreennetwork.org/news-and-events/csgn-forum>  
Country: uk  
Bib type: M  
GMD: Meetings

Entered: 15/06/2015 B00000115  
Updated: 15/06/2015 B00000115

Record ID 4011024  
**Title:** **Confor Woodland Show, Longleat Estate, Warminster, Wiltshire, 10-11 September 2015.**  
Author: Penny, S.  
Company: Forestry Commission England; Forest Research  
Imprint: 2015  
Description: Exhibition stand staffing - professional and forestry sector  
Main subject: FORESTRY RESEARCH  
Subjects: INDUSTRY; ENGAGEMENT; LANDUSE; FCRA CONTRIBUTOR; 2016-FR-CAT-11  
Abstract: FR provided a specific area within the FC England marquee and focussed on a general introduction to FR. A mix of large scale impact banners and interactive displays together with examples of publication materials. Over 2000 visitors from the forest industry sector attended the show over the two days. Face to face interactions and explanation of FR work areas.  
Country: uk  
Bib type: M  
GMD: Exhibitions  
Entered: 01/10/2015 B00000115

Record ID 4011042  
**Title:** **The Royal Welsh Show, Showground, Builth Wells, Wales, 20-23 July 2015.**  
Other titles: Promoting Forest Research  
Author: Jenkins, T.  
Company: Forest Research, Wales  
Imprint: 2015  
Description: Outreach event  
Main subject: FOREST RESEARCH  
Subjects: TREE HEALTH; URBAN TREES; RESEARCH SUPPORT; WATER; FLOODING; FCRA CONTRIBUTORS; 2016-FR-CAT-11  
Abstract: There was nearly a quarter of a million visitors over the four days of the show. The main theme of our stand was tree health and resilience. Other FR staff involved were Lyn Ackroyd, Dai Evans, Hannah Gruffudd, Mark Oram, Liz Richardson + two of our advisory staff Alex Lewis and Simon Morath were also present on the nearby Tree Alert stand.  
WWW: <http://www.rwas.co.uk/royal-welsh-show/>  
Country: uk  
Bib type: M  
GMD: Leaflets.  
Entered: 09/10/2015 B00000115