Knowledge Exchange records from 01/04/2013 – 31/03/2014

CATEGORY 3 - FC and/or FR publications (17 records)

Record ID	4010322
Title:	**Air temperature regulation by urban trees and green infrastructure.**
Author:	Doick, K.J.
Co-author:	Hutchings, T.R.
Company:	Forestry Commission
Imprint:	2013
Description:	FCRN012; 10 pages
Main subject:	CLIMATE CHANGE
Subjects:	FCRA AUTHORS; 2014-FR-CAT-3
Class:	Electronic resource
WWW:	http://www.forestry.gov.uk/PDF/FCRN012.pdf/$FILE/FCRN012.pdf
ISBN:	978-0-85538-878-2
Bib type:	M
GMD:	FC Publication
Entered:	03/09/2013 B00000115

Record ID	4010345
Title:	**FC Practice Guide: Choosing stand management methods for restoring planted ancient woodland sites.**
Author:	Harmer, R.
Co-author:	Thompson, R.
Company:	Forestry Commission, Edinburgh
Imprint:	FC Forest Research, 2013
Description:	32pp
Series:	FCPG021
Main subject:	FOREST MANAGEMENT
Subjects:	ENVIRONMENT; FORESTRY; NATIVE WOODLAND; PAWS; PLANTATIONS ON ANCIENT WOODLAND SITES; RESTORATION; SILVICULTURE; SUSTAINABLE FOREST MANAGEMENT; FCRA AUTHORS; 2014-FR-CAT-3
Notes:	Available as PDF from our website
Abstract:	The ancient woodlands of the British Isles are a valuable and finite resource. They are important habitats with a high biodiversity value as they can support a wide range of plants and animals. During the mid to late 20th century, many sites that once supported ancient semi-natural woodland were converted to plantation forests to provide a source of timber, a practice that led to the degradation and fragmentation of an already scarce resource. Although these plantations on ancient woodland sites (often referred to as 'PAWS') are usually regarded as forests of non-native conifers, a significant proportion of the 200 000 hectares of PAWS in Britain consists of plantations of broadleaves (of which oak and beech are most common).....
Class:	Electronic resource
WWW:	This publication is also available on our website at: www.forestry.gov.uk/publications
ISBN:	978-0-85538-885-0
Country:	uk
Bib type:	M
GMD:	FR Publication
Entered:	09/09/2013 b00000115

Record ID	4010346

Title:	**FC Practice Guide: Monitoring the oak processionary moth with Pheromone traps.**
Author:	Straw, N.
Co-author:	Williamson, D.R.
Company:	Forestry Commission, Edinburgh
Imprint:	FC Forest Research, 2013
Description:	8pp
Series:	FCPG020
Main subject:	DISEASES
Subjects:	PESTS AND DISEASES; FCRA AUTHORS; 2014-FR-CAT-3
Notes:	Available as PDF from our website
Abstract:	The oak processionary moth is a serious forestry pest that is capable of causing complete defoliation of oak trees. Its caterpillars are also a hazard to health. Breeding populations of the moth were discovered for the first time in the UK in London in 2006 and these initial infestations have since spread and the moth has become more widely established. Controlling the moth is important, to protect trees from defoliation that can lead to decline and tree death, and to prevent risks to health. Control measures are most effective when applied at an early stage, before populations have started to increase. Effective control depends on monitoring the spread of the moth and detecting new outbreaks as soon as these arise, and also keeping track of abundance in areas where it is known to be present. There are a number of methods that can be used for monitoring but one of the most effective methods is to use pheromone traps. This Practice Note describes how these traps are used to capture oak processionary moths and what to do when moths are caught. It is aimed at forest and woodland managers, forestry practitioners, local authority tree and woodland officers, arboriculturalists and others who are actively involved with managing oak trees.
Class:	Electronic resource
WWW:	This publication is also available on our website at: www.forestry.gov.uk/publications
ISBN:	978-0-85538-888-1
Country:	uk
Bib type:	M
GMD:	FR Publication
Entered:	10/09/2013 B00000115

Record ID	4010347
Title:	**Forestry Commission Research Note: A framework for sharing experiences of community woodland groups.**
Author:	Lawrence, A.
Co-author:	Ambrose-Oji, B.
Company:	Forestry Commission; Forest Research
Edition:	FCRN015
Imprint:	2013
Description:	16 pp
Main subject:	COMMUNITY WOODLANDS
Subjects:	FCRA AUTHORS; 2014-FR-CAT-3
Notes:	Available online as a pdf
Abstract:	Community woodland groups are growing, and there are now over 650 groups in England, Scotland and Wales. Groups are keen to learn from each other's experiences, and policy stakeholders seek evidence of the effectiveness of past and current policy. While some experiences have been documented, many others have not, and evidence is available in a variety of forms that are difficult to compare. This research note distils experience to describe the dimensions of a community woodland model, in a framework that will help with documenting, evaluating and assessing impacts of different approaches to community-delivered

forestry. With the publication of this method, we invite fellow researchers and practitioners to join us in producing a robust shared evidence base.
Class: Electronic resource
WWW: www.forestry.gov.uk/publications
ISBN: 978-0-85538-890-4
Country: uk
Bib type: M
GMD: FR Publication
Entered: 13/09/2013 B00000115

Record ID 4010356
Title: Monitoring the oak processionary moth with pheromone traps.
Author: Straw, N.
Co-author: Williams, D.T.; Tilbury, C.
Company: Forestry Commission; Forest Research
Imprint: Forestry Commission, Edinburgh, 2013
Description: Forestry Commission Practice Note FCPN020, 8pp
Main subject: TREE HEALTH
Subjects: THAUMETOPOEA PROCESSIONEA; FCRA AUTHORS; 2013-FR-CAT-3
Abstract: Describes how to use pheromone traps to monitor oak processionary moth (Thaumetopoea processionea) and what to do when moths are caught. Oak processionary moth is a serious forestry pest capable of defoliating oak trees and its caterpillars are a hazard to human and animal health. The moth is currently confined to Greater London and a small, isolated outbreak just west of Reading, but the area of infestation is expanding. This Practice Note is aimed at forest and woodland managers, forestry practitioners, tree and woodland officers, and arboriculturists and others who are actively involved with managing oak trees.
Class: Electronic Resource
WWW: http://www.forestry.gov.uk/forestry/HCOU-4VXJ5B
Bib type: M
GMD: FC Publication
Entered: 04/10/2013 B00000115

Record ID 4010382
Title: UK trade in woodfuel - an overview.
Author: Hogan, G.P.
Company: Forest Research; Forestry Commission
Imprint: Forestry Commission, Edinburgh, 2013
Description: 32 pp
Main subject: BIOMASS
Subjects: PLANT HEALTH; BIOSECURITY; FUEL; FCRA AUTHOR; 2014-FR-CAT-3
Abstract: A report initially prepared under contract for FC Plant Health Service, but edited for release to the public domain. A study of the trade in various forms of woodfuel imported into the UK, the current scale and its expected change over the next few years, with particular reference to the biosecurity implications. The principal importers, users and forms of woodfuel and the countries from which it is sourced.
Bib type: M
GMD: Contract report
Entered: 08/11/2013 B00000115

Record ID 4010395
Title: The application of climate change models to support forestry decision-making: stakeholder perspectives from MOTIVE and ForeStClim.
Author: Edwards, D.
Co-author: Bathgate, S.; Mason, B.; Nicholl, B.

Company: Forest Research; Forestry Commission
Imprint: Edinburgh, 2013
Main subject: CLIMATE CHANGE
Subjects: ENGAGEMENT; ECOSYSTEM SERVICES; NORTH WALES; SCOTTISH BORDERS; MODELLING; END-USERS; INDICATORS; FCRA AUTHORS; 2014-FR-CAT-3
Abstract: This report focuses on insights gained from stakeholder engagement work on the UK case studies of two closely-related EU projects: MOTIVE (MOdels for adapTIVE forest management) and ForeStClim (Transnational Forestry Management Strategies in Response to Regional Climate Change Impacts). MOTIVE was funded by the EU 7th Framework Programme and ran from 2009 to 2013. ForeStClim was funded by the EU Interreg IVb Programme and ran from 2009 to 2012. For more information, see: www.forestry.gov.uk/fr/INFD-7UCBJW and www.forestry.gov.uk/fr/INFD-7PNFBV.
Bib type: M
GMD: Contract report
Entered: 03/12/2013 B00000115

Record ID 4010396
Title: Uptake of Decision Support Systems in the forestry sector in Great Britain: final report.
Author: Stewart, A.
Co-author: Edwards, D.; Lawrence, A.
Company: Forest Research; Forestry Commission
Imprint: Edinburgh, 2013
Main subject: FOREST MANAGEMENT
Subjects: DECISION-MAKERS; CONCEPTION; COMMISSIONING; DEVELOPMENT; FCRA AUTHORS; 2014-FR-CAT-3; IMPLEMENTATION; CONSOLIDATION; MAINTENANCE; USE
Abstract: Internationally, there has been increased attention placed upon the development of computer-based Decision Support Systems (DSS) to enhance the evidence-base for environmental decision-making (Reynolds et al., 2007). In response, over the last decade, Forest Research (FR) has been involved in numerous projects to develop DSS for the forestry and land use sectors in Great Britain and Europe. Many of these have been adopted by the Forestry Commission (FC) and other parts of the forestry sector, and are now integral to the systems of forest management planning and decision-making applied throughout Great Britain...
Bib type: M
GMD: Contract report
Entered: 03/12/2013 B00000115
Updated: 03/12/2013 b00000115

Record ID 4010444
Title: Insights from behavioural economics for ecosystem services valuation and sustainability.
Author: Moseley, D.
Co-author: Valatin, G.
Company: Forest Research; Forestry Commission
Imprint: Forestry Commission Edinburgh, 2013
Description: FCRP022, 24 pp
Main subject: ECOSYSTEMS
Subjects: ECOSYSTEM SERVICES; SUSTAINABILITY; VALUATION; BOUNDED RATIONALITY; COGNITIVE BIASES; FRAMING; CONTEXT; FAMILIARITY; LEARNING; LOSS AVERSION; MENTAL ACCOUNTING; FCRA AUTHORS; 2014-FR-CAT-3

Abstract:	Ecosystem services refer to the benefits or outputs that people derive from ecosystems. Following the publication of the UK National Ecosystem Assessment there has been a growing interest in assessing the flows of such services and valuing the contribution they make to human well-being. This Research Report draws upon recent evidence (years 2001 to 2012) from the behavioural economics literature to examine how cognitive factors influencing people's choices and preferences can affect the values that they place upon ecosystem services and upon ecosystem sustainability. The Report shows that there can be a wide variation in the values placed on particular ecosystem services due to a range of factors. For example, the ability of individuals to process information can result in eight times higher variance in respondent values when more complex formats are used. The Report covers methods used to mitigate these effects and highlights where addressing research gaps on how people value ecosystem services could contribute to ecosystem sustainability.
Class:	Electronic resource
ISBN:	978-0-85538-895-9
Country:	uk
Bib type:	M
GMD:	FR Publication
Entered:	14/02/2014 B00000115
Updated:	14/02/2014 B00000115

Record ID	4010449
Title:	**Reducing greenhouse gas emissions from forest civil engineering.**
Author:	Dickerson, A.
Co-author:	Nicoll, B.; Perks, M.
Company:	Forestry Commission; Forest Research
Edition:	December 2013
Imprint:	Forestry Commission publications www.forestry.gov.uk/publications, 2014
Description:	Forestry Commission Technical Note
Main subject:	FOREST ENGINEERING
Subjects:	ROAD NETWORK DESIGN; CARBON DIOXIDE; FOREST ROAD; BRIDGE BUILDING; SEQUESTRATION; GREENHOUSE GASES; FCRA AUTHORS; 2014-FR-CAT-3
Notes:	12 pages
Abstract:	The management of forests and woodlands requires an effective road network to provide access for the machinery required to plant and harvest trees and extract timber and wood products. Roads are also used by visitors for access and activities such as cycling and mountain biking. Forest roads and bridges must be constructed so that they are fit for purpose and robust enough to cope with intensive forest operations. However, building and maintaining road networks uses energy and releases carbon dioxide and other greenhouse gases – from the disturbance of soil for new roads and the quarrying of materials to the emissions from construction vehicles. It is important that these emissions are reduced wherever possible by following good practice in construction and by minimising soil disturbance, especially on sites with peaty soils. This Technical Note describes how the greenhouse gas release from forest civil engineering operations can be controlled and reduced, while still ensuring the development and maintenance of a robust forest road network. It is aimed at forest civil engineers, planners, managers and owners.
Class:	Electronic resource
WWW:	http://www.forestry.gov.uk/PDF/FCTN020.pdf/$FILE/FCTN020.pdf
ISBN:	978-0-085538-891-1
Country:	uk
Bib type:	M
GMD:	FC Publication

Entered: 27/02/2014 B00000115
Updated: 27/02/2014 B00000115

Record ID 4010473
Title: **Forestry Commission Research Note 15.**
Other titles: A framework for sharing experiences of community woodland groups.
Author: Ambrose-Oji, B.
Company: Forest Research; Forestry Commission Scotland
Imprint: Roslin, Midlothian, Scotland. : Forestry Commission Scotland, 2013
Description: Forestry Commission Research Note 15
Main subject: COMMUNITY WOODLANDS
Subjects: FC PUBLICATION; FCRA AUTHOR; 2014-FR-CAT-3
Abstract: Community woodland groups are growing, and there are now over 650 groups in England, Scotland and Wales. The rise is the result of both social pressure and changes in policy. Groups are keen to learn from each other's experiences, and policy stakeholders seek evidence of the effectiveness of past and current policy. While some experiences have been documented, many others have not, and evidence is available in a variety of forms that are difficult to compare. There is therefore a need for a consistent approach to describing the dimensions of a community woodland model that supports the documentation of case studies...
WWW: http://www.forestry.gov.uk/PDF/FCRN015.pdf/$FILE/FCRN015.pdf
ISBN: 978-0-85538-890-4
Country: uk
Bib type: M
GMD: FC Publication
Entered: 04/04/2014 B00000115

Record ID 4010474
Title: **Forestry Commission Research Report to The Mersey Forest.**
Other titles: Mindfulness Practice in Woods and Forests: An Evidence Review.
Author: Ambrose-Oji, B.
Company: Forest Research; The Mersey Forest
Imprint: 2013
Description: Forest Research Research Report
Main subject: SOCIAL FORESTRY
Subjects: FCRA AUTHOR; 2014-FR-CAT-3
Abstract: According to the World Health Organisation (WHO) we are now entering an era where health professionals are concentrating on chronic and non-communicable diseases rather than infectious diseases as the main causes of mortality and morbidity (Hägerhäll, 2010). Amongst these major non-communicable health problems are diabetes, cardiovascular disease, cancer and depression. Research and clinical practice have brought improvements in the treatment of the most prevalent physiological conditions, and more recently mental health and wellbeing are receiving equal attention...
Country: uk
Bib type: M
GMD: Reports
Entered: 04/04/2014 B00000115

Record ID 4010479
Title: **Forestry Commission Research Report**
Other titles: Land-Manager Networks Project - WP2 Network Analysis and Segmenation
Author: Ambrose-Oji, B.
Co-author: Dandy, N.; Handley, P.; Watts, K.
Company: Forest Research, Farnham, Surrey
Imprint: 2013

Description: Forest Research Research Report
Main subject: SOCIAL FORESTRY
Subjects: FCRA AUTHORS; 2014-FR-CAT-3
Country: uk
Bib type: M
GMD: Reports
Entered: 04/04/2014 B00000115

Record ID 4010481
Title: **Forestry Commission Research Report**
Other titles: A survey of Forestry Commission staff on understanding and use of social media
Author: Ambrose-Oji, B.
Co-author: Stewart, A.
Company: Forest Research, Farnham, Surrey
Imprint: 2013
Description: Forest Research Research Report
Main subject: SOCIAL FORESTRY
Subjects: FCRA AUTHORS; 2014-FR-CAT-3
Country: uk
Bib type: M
GMD: Reports
Entered: 04/04/2014 B00000115

Record ID 4010522
Title: **FCJR109 Field use of Gazelle SG granules for Top up Spraying - Methodology.**
Author: Jones, B.
Company: Forest Research Technical Development
Edition: FCJR109
Imprint: 2014
Description: Report for FC customer (unpublished)
Main subject: PESTICIDES
Subjects: FIELD USE; GAZELLE; GRANULES; TOP UP SPRAYING; METHODOLOGY; FCRA AUTHOR; 2014-FR-CAT-3
Notes: Access: direct request from Technical Development
Abstract: The dispersal risk of Gazelle SG granules, which have the consistency of fine sand and are readily blown by the wind, must be overcome by the mixing system. Proprietary plastic, refillable 'pour and store' containers are available that can be labelled and used for decanting a measured dose into the body of the applicator thereby minimising potential operator and environmental exposure. This document describes an interim measure, for field testing, using plastic cylinders for measurement and decanting of a fixed dose of Gazelle SG granules. The system is being refined and documented with staff at Kielder Forest ready for field testing in selected Forest Districts from August 2013.
Class: Electronic resource
Country: uk
Bib type: M
GMD: Reports
Entered: 25/04/2014 B00000115

Record ID 4010523
Title: **FCJR110 Dalquhandy former opencast site cultivation trials 2013.**
Author: Saunders, C.
Company: Forest Research Technical Development
Edition: FCJR110
Imprint: 2014

Description:	Report for FC customer (unpublished)
Main subject:	LAND RECLAMATION
Subjects:	FCRA AUTHOR; 2014-FR-CAT-3
Notes:	Access: direct request from Technical Development
Abstract:	The trials investigated methods and costs for the incorporation of green compost as a soil conditioner, according to prescribed complete cultivation methods, using a 13 tonne base excavator on a challenging former opencast coal site.
Class:	Electronic resource
Country:	uk
Bib type:	M
GMD:	Reports
Entered:	25/04/2014 B00000115

Record ID	4010525
Title:	**FCJR112 ISO TC23/SC15&17 - Machinery for Forestry, Bi-annual Committee Meeting.**
Author:	Saunders, C.
Company:	Forest Research Technical Development
Edition:	FCJR112
Imprint:	2014
Description:	Report for FC customer (unpublished)
Main subject:	MACHINERY
Subjects:	FCRA AUTHOR; 2014-FR-CAT-3
Notes:	Access: direct request from Technical Development
Abstract:	This paper reports on the proceedings regarding the 28th annual meeting of the International Standards Organisation, Technical Committee 23, Sub Committees 15 and 17 – Machinery for Forestry (ISO/TC23/SC15 & SC17) which was held in Tampere, Finland between September 30 and October 1, 2013. The meetings were held over a four day period by kind permission of the Finnish Occupational, Health and Safety Department, Uimalankatu, Tampere. The guests and organizers of the meeting were MTT, Testing and Standardisation, Finland.
Class:	Electronic resource
Country:	uk
Bib type:	M
GMD:	Reports
Entered:	25/04/2014 B00000115