

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

CATEGORY 1 - Book and book chapters (12 records)

Record ID 4010234
Title: **Terrestrial methods in forest monitoring: towards the next generation?**
Author: Ferretti, M.
Co-author: Fischer, R. and Moffat, A.J.
Imprint: 2013
Source: Developments in Environmental Science 12
Reference: 483–496. ills, table
ISBN: 978-0-08-098222-9
Main subject: FORESTRY
Subjects: FOREST MONITORING; COOPERATION; CONNECTIONS; FUTURE; FCRA AUTHOR; 2013-FR-CAT-1
Abstract: This chapter aims at synthesizing (i) what has been actually achieved by the forest monitoring program in Europe as developed over the past 25 years in the framework of the initiatives by the European Union (EU) and the International Co-operative Programme on Assessment and Monitoring of Air Pollution Effects on Forests (ICP Forests), (ii) where problems and gaps still remain, and (iii) what can be the perspectives for the future. We believe that this exercise will also be beneficial for other programs outside Europe and to foster a global cooperation among forest monitoring initiatives.
Class: Electronic resource
WWW: <http://dx.doi.org/10.1016/B978-0-08-098222-9.00025-X>
Bib type: A
GMD: Periodical article
Entered: 09/04/2013 B00000115
Updated: 17/07/2013 0000008b

Record ID 4010235
Title: **Reporting Forest Monitoring.**
Author: Moffat, A.J.
Co-author: Fischer, R.
Imprint: 2013
Source: Developments in Environmental Science 12
Reference: 469–480.ill, tables
ISBN: 978-0-08-098222-9
Main subject: FORESTRY
Subjects: FOREST MONITORING; COMMUNICATIONS STRATEGY; METADATA; SOCIAL MEDIA; DATA ACCESS; FCRA AUTHOR; 2013-FR-CAT-1
Abstract: Forest monitoring programs, however well planned and executed, are set up and managed to deliver goods and services in return for the investment made in them. This chapter discusses basic issues around reporting and describes some different forms. In addition, it explores how expectations for monitoring are changing in character and how reporting might respond in the future.
Class: Electronic resource
WWW: <http://dx.doi.org/10.1016/B978-0-08-098222-9.00024-8>
Bib type: A
GMD: Periodical article
Entered: 09/04/2013 B00000115
Updated: 17/07/2013 0000008b

Record ID 4010236

Title: **Methods for terrestrial investigations in Europe with an overview of North America and Asia.**
Other titles: Chapter 9 Tree Phenology in Forest Monitoring.
Author: Wilkinson, M.
Co-author: Vilhar, U., Beuker, E., Mizunama, T., Skundnik, M. Lebourgeois, F. and Kamel, S.
Imprint: Elsevier Ltd., April 2013
Description: pages 169-182
Main subject: MONITORING SYSTEMS
Subjects: FCRA AUTHOR; 2014-FR-CAT-1
Abstract: The book, Forest Monitoring - Methods for terrestrial investigations in Europe with an overview of North America and Asia, is 536 pages in length and is an appropriate stock-take of the accomplishments of the ICP Forests Monitoring Scheme which has run since the mid 1980s, with full support from Forest Research as the home of the UK National Focal Centre.
ISBN: 978-0-08-098222-9
Bib type: M
GMD: Chapter
Entered: 18/04/2013 B00000115
Updated: 17/07/2013 0000008b

Record ID 4010246
Title: **Chapter 4 Forest Tree Breeding in Europe**
Other titles: Sitka Spruce (*Picea sitchensis* (Bong.) Carr.)
Author: Lee, S.
Co-author: Thompson, D.; Hansenn, K
Imprint: Springer, 2013
Series: Managing Forest Ecosystems, Vol. 25
Source:
Main subject: TREE BREEDING
Subjects: BREEDING STRATEGY; FOREST REPRODUCTIVE MATERIAL; FORESTRY; GENETICS; TREE IMPROVEMENT; FCRA AUTHOR; 2014-FR-CAT-1
Abstract: Forest tree breeding has been ongoing for more than 70 years across Europe. It has successfully generated improved varieties for the major economical forest tree species. They are part of the present European forestry landscape and largely contribute to intensive wood production and other forest activities. In this book, we describe the state-of-art of breeding for the main forest tree species. We provide a comprehensive, unique and up-to-date overview of the major scientific results and breeding achievements gathered from the many programmes scattered across Europe.
ISSN: 978-94-007-6146-9

Bib type: M
GMD: Chapter
Entered: 25/06/2013 0000008b
Updated: 25/10/2013 B00000115
Record ID 4010296
Title: **Cultivation and disease of proteaceae: leucadendron, leucospermum and protea.**
Author: Crous, P.W.;
Co-author: Denman, S.; Taylor, J.E.; Swart, L.; Bezuidenhout, C.M.; Hoffman, L.; Palm, M.E.; Groenewald, J.Z.
Edition: 2nd Edition
Imprint: CBS KNAW Fungal Biodiversity Centre, Utrecht, The Netherlands : CBS Biodiversity Series No. 13, 2013
Main subject: TREE HEALTH

Subjects: FCRA AUTHOR; 2014-FR-CAT-1
ISBN: 978-90-70351-xx-x
Bib type: M
GMD: Book
Entered: 12/08/2013 B00000115

Record ID 4010385
Title: **Chapter 15 Biomass in Ecohouse (Fourth edition), November 2012.**
Author: Hogan, G.P.
Co-author: Roaf, S.; Fuentes, M.; Thomas-Rees, S.
Imprint: 2013
Source: Ecohouse (Fourth edition)
Reference: 291-309
Main subject: BIOMASS
Subjects: BIOMASS HEATING; WOODFUEL; RENEWABLE ENERGY; WOOD PELLETS; WOODCHIPS; FCRA AUTHOR; 2014-FR-CAT-1
Abstract: A chapter on biomass heating in the fourth edition of Ecohouse, a book on environmentally sensitive building design. Chapter covers. Book intended for architects, designers and eco-builders, covering a wide range of topics including materials selection, design, renewable energy and ventilation.
ISSN: 978-0-415-52677-7
Bib type: A
GMD: Chapter
Entered: 18/11/2013 B00000115

Record ID 4010413
Title: **Living with storm damage to forests.**
Author: Gardiner, B.
Co-author: Schuck, A.; Schelhaas, M.-J.; Orazio, C.; Blennow, K.; Nicoll, B. (Editors)
Imprint: European Forest Institute, 2013
Source: European Forest Institute
Main subject: STORMS
Subjects: FCRA EDITOR; 2014-FR-CAT-1; WIND DAMAGE; STAND CHARACTERISTICS; FOREST CARBON; ECONOMIC IMPACT; RISK MANAGEMENT; CLIMATE CHANGE; EUROPE; EUROPEAN FORESTRY; STORMS
Abstract: EFI recently published in its series 'What science can tell us' a book entitled 'Living with storm damage to forests'. 27 experts contributed to bring together in one place the latest scientific understanding of the many facets of storm damage to forests. The books constitutes a comprehensive review of the impact of destructive storms to European forests and gives a thorough and wide-ranging review of each aspect of storm damage in a format and style that is readily accessible to specialists and non-specialists alike and provides recommendations for further reading for those who wish to explore topics in more details.
WWW: http://www.efi.int/files/attachments/publications/efi_wsctu_3_final_net.pdf
ISBN: 978-952-5980-08-0
ISSN: 978-952-5980-7
Bib type: M
GMD: Book
Entered: 16/12/2013 B00000115
Updated: 06/01/2014 0000008b

Record ID 4010421
Title: **Novel Tree Breeding.**
Author: Lee, S.
Co-author: Woolliams, J

Imprint: 2013
Main subject: TREE BREEDING
Subjects: GENOMICS; GENETIC ARCHITECTURE; PHENOLOGY; ENVIRONMENTAL STRESS; GENETIC DIVERSITY; FCRA AUTHOR; 2014-FR-CAT-1
Abstract: The challenges facing forest geneticists and tree breeders include recognition of changing demands on forests for a wider range of high value forest products and increasing interest on tolerance to pest and diseases and sustainability of forest ecosystems under climate change.
ISBN: 978-84-7498-557-3
Bib type: M
GMD: Book
Entered: 06/01/2014 0000008b
Updated: 06/01/2014 0000008b

Record ID 4010423
Title: Successes of tree breeding: What has been achieved and does it need help?

Other titles: Foreword: Novel Tree Breeding
Author: Lee, S.
Imprint: 2013
Main subject: TREE BREEDING
Subjects: FCRA AUTHOR; 2014-FR-CAT-1
Bib type: M
GMD: Chapter
Entered: 06/01/2014 0000008b

Record ID 4010456
Title: Best Practice for Tree Breeding in Europe.
Author: Mullin, T.J.
Co-author: Lee, S.J.
Imprint: Skogforsk, 2013
Main subject: TREE BREEDING
Subjects: EUROPE; NOVELTREE PROJECT; QUANTITATIVE GENETICS; POPULATION GENETICS; GENOMICS; PATHOLOGY; TREE PHYSIOLOGY; ECONOMICS; FCRA AUTHOR; 2014-FR-CAT-1
Abstract: From 2007 to 2013, the European Community supported research under its Seventh Framework Programme (FP7/2007-2013) to elevate the state-of-the-art through novel approaches to tree breeding in Europe, under the grant agreement n° 211868, Project NovelTree. NovelTree brought together an interdisciplinary group of 15 public and private partners from 7 European countries with expertise in quantitative genetics and breeding, population genetics, genomics, pathology, tree physiology, forestry and economics. The ultimate goal of the project that kicked off in June 2008 was to enable significant genetic improvement of tree characteristics and forest products properties to satisfy the needs (quality, quantity, sustainability, vulnerability) of the forest-based sector and consumers while ensuring optimal long-term management of genetic resources. Partners conducted collaborative research in several areas. Work Package 3 of Project NovelTree focussed on design and implementation of improved/novel tree breeding strategies. Research was conducted on development of new computer software tools, evaluating novel approaches to breeding, and documenting best practices for tree breeding in Europe. In this publication, we present what we believe are innovative approaches to tree breeding in general, and for a selection of model species that have particular importance in Europe.
Bib type: M
GMD: Book
Entered: 06/03/2014 0000008b

Record ID 4010499
Title: **Reporting forest monitoring.**
Other titles: In: Ferretti, M. and Fischer, R. (eds) Forest Monitoring. Scientific methods for the terrestrial monitoring of temperate and boreal forests.
Author: Moffat, A.J.
Co-author: Fischer, R.
Company: Forest Research
Imprint: Amsterdam : Elsevier, 2013
Description: Book chapter
Main subject: CLIMATE CHANGE
Subjects: FCRA AUTHOR; 2013-FR-CAT-1
Notes: pp 469-480
Bib type: M
GMD: Book
Entered: 08/04/2014 B00000115

Record ID 4010500
Title: **Terrestrial methods in forest monitoring: towards the next generation?**
Other titles: In: Ferretti, M. and Fischer, R. (eds) Forest Monitoring. Scientific methods for the terrestrial monitoring of temperate and boreal forests.
Author: Moffat, A.J.
Co-author: Fischer, R.; Ferretti, M.
Company: Forest Research
Imprint: Amsterdam : Elsevier, 2013
Description: Book chapter
Main subject: CLIMATE CHANGE
Subjects: FCRA AUTHOR; 2013-FR-CAT-1
Notes: pp 483-496
Bib type: M
GMD: Book
Entered: 08/04/2014 B00000115