

List of EFI Publications 2013

EFI PUBLICATIONS

■ What Science Can Tell Us

European Forest Governance: Issues at Stake and the Way Forward. *What Science Can Tell Us* 2, 2013. Helga Pülzl, Karl Hognl, Daniela Kleinschmit, Doris Wydra, Bas Arts, Peter Mayer, Marc Palahí, Georg Winkel and Bernhard Wolfslehner (editors)

Living with Storm Damage to Forests. *What Science Can Tell Us* 3, 2013. Barry Gardiner, Andreas Schuck, Mart-Jan Schelhaas, Christophe Orazio, Kristina Blennow and Bruce Nicoll (editors)

■ Policy Briefs

Climate Change in European Forests: How to Adapt. EFI Policy Brief 9, 2013. Joanne Fitzgerald, Jette Bredahl Jacobsen, Kristina Blennow, Bo Jellesmark Thorsen and Marcus Lindner

■ Technical Reports

Foresight on Future Demand for Forest-based Products and Services. Päivi Pelli and Michael den Herder. EFI Technical Report 87, 2013.

Mapping the distribution of forest ownership in Europe. Pamela Pulla, Andreas Schuck, Pieter Johannes Verkerk, Bruno Lasserre, Marco Marchetti and Tim Green. EFI Technical Report 88, 2013.

■ Peer-reviewed publications

Journals

Bebi, P., Krumm, F., Brändli, U.B. and Zingg, A. Natural dynamics in the Swiss Alps. *Schweizerische Zeitschrift für Forstwesen* 164(2): 37–46. doi: 10.3188/szf.2013.0037

Bouriaud, L., Nichiforel, L., Weiss, G., Bajraktari, A., Curovic, M., Dobsinska, Z., Glavonjic, P., Jarsky, V., Sarvasova, Z., Teder, M. and Zalite, Z. Governance of private forests in Eastern and Central Europe: An analysis of forest harvesting and management rights. *Annals of Forest Research* 56(1): 199–215.

Delacote, Ph., Kallio, A.M.I. and Harou, P.A. Forests, wood and climate: New results in forest sector modeling. *Journal of Forest Economics* 19(4): 347–462.

Erb, K.-H., Haberl, H., Jepsen, M.R., Kuemmerle, T., Lindner, M., Müller, D., Verburg, P.H. and Reenberg, A. A conceptual framework for analysing and measuring land-use intensity. *Current Opinion in Environmental Sustainability* 5: 464–470. doi: 10.1016/j.cosust.2013.07.010

Giurca, A., Jonsson, R., Rinaldi, F. and Priyadi, H. Ambiguity in timber trade regarding efforts to Combat Illegal Logging: Potential Impacts on Trade between South-East Asia and Europe. *Forests* 4(4): 730–750. doi:10.3390/f4040730

Groen, T.A., Verkerk, P.J., Böttcher, H., Grassi, G., Cienciala, E., Black, K.G., Fortin, M., Köthke, M., Lehtonen, A., Nabuurs, G.-J., Petrova, L. and Blujdea, V. What causes differences between national estimates of forest management carbon emissions and removals compared to estimates of large scale models? *Environmental Science & Policy* 33: 222–232.

Harou, P.A., Zheng, Ch. and Zhang, D. The Alternative test in forestry. *Journal of Forest Policy and Economics* 34: 41–46.

Hujala, T., Khadka, C., Wolfslehner, B. and Vacik, H. Review. Supporting problem structuring with computer-based tools in participatory forest planning. *Forest Systems* 22(2): 270–281.

Hurmekoski, E. and Hetemäki, L. Studying the future of the forest sector: Review and implications for long-term outlook studies. *Forest Policy and Economics* 34: 17–29.

Jonsson, R. How to cope with changing demand conditions – The Swedish forest sector as a case study. An analysis of major drivers of change in the use of wood resources. *Canadian Journal of Forest Research* 43(999): 405–418.

Khadka, C., Hujala, T., Wolfslehner, B. and Vacik, H. Problem structuring in participatory forest planning. *Forest Policy and Economics* 26(1): 1–11.

Kuemmerle, T., Erb, K., Meyfroidt, P., Müller, D., Verburg, P.H., Estel, S., Haberl, H., Hostert, P., Jepsen, M.R., Kastner, T., Levers, C., Lindner, M., Plutzer, C., Verkerk, P.J., van der Zanden, E.H. and Reenberg, A. Challenges and opportunities in mapping land use intensity globally. *Current Opinion in Environmental Sustainability* 5: 484–493. doi: 10.1016/j.cosust.2013.06.002

Ludvig, A. and Weiss, G. Governing Carbon Efficiency. The international regime of standards in wooden construction. *Oesterreichische Zeitschrift fuer Politikwissenschaft* 42(3): 329–343.

Mavsar, R., González Cabán, A. and Varela, E. The state of development of fire management decision support systems in America and Europe. *Forest Policy and Economics* 29: 62–69.

Mavsar, R., Japelj, A. and Kovač, M. Trade-offs between fire prevention and provision of ecosystem services in Slovenia. *Forest Policy and Economics* 29: 45–55.

Mora, O., Banos, V., Regolini, M. and Carnus, J.M. Using scenarios for forest adaptation to climate change: a foresight study of the Landes de Gascogne Forest 2050. *Annals of Forest Science* 2013: 1–12. doi: 10.1007/s13595-013-0336-2

Nabuurs, G.-J., Lindner, M., Verkerk, P.J., Gunia, K., Deda, P., Michalak, R. and Grassi, G. First signs of carbon sink saturation in European forest biomass. *Nature Climate Change* 3: 792–796. doi: 10.1038/nclimate1853

Nedeljković J., Lovrić M., Nonić D., Stojanovska M., Nedanovska V., Lovrić N. and Stojanovski V. Influence of policy instruments on non-wood forest products commercialization in Croatia, Macedonia and Serbia. *Šumarski list* 9–10: 473–486.

Pülzl, H. Forest and nature governance: a practice based approach. *Critical Policy Studies*, 7(3): 367–369.

Rafal, C., Abt, R.C., Jonsson, R., Prestemon, J.P. and Cabbage, F.W. Modeling the Impacts of EU Bioenergy Demand on the Forest Sector of the Southeast U.S. *Journal of Energy and Power Engineering* 7 (6): 1073–1081.

- Raftoyannis, Y., Nocentini, S., Marchi, E., Sainz, R.C., Guemes, C.G., Pilas, I., Peric, S., Paulo, J.A., Moreira-Marcelino, A.C., Costa-Ferreira, M., Kakouris, E. and Lindner, M. Perceptions of forest experts on climate change and fire management in the European Mediterranean forests. *iForest*, doi: 10.3832/iforo817-006
- Stern, T., Weiss, G., Bostrom, C., Huber, W., Koch, S. and Schwarzbauer, P. Identifying measures for wood mobilisation from fragmented forest ownerships based on case studies from eight European Regions. *Jahrbuch der ÖGA (Österreichische Gesellschaft für Agrarökonomie)* 22 (1): 19–28.
- Tuomasjukka, D., Lindner, M. and Edwards, D. A concept for testing decision support tools in participatory processes applied to the ToSIA tool. *Challenges* 4: 34–55.
- Valbuena, R., Packalén P., García-Abril A., Mehtätalo L. and Maltamo M. Characterizing Forest Structural Types and Shelterwood Dynamics from Lorenz-based Indicators Predicted by Airborne Laser Scanning. *Canadian Journal of Forest Research* 43 (11): 1063–1074.
- Valbuena, R., Maltamo, M., Martín Fernández, S., Packalén P., Pascual C. and Nabuurs, G.-J. Patterns of Covariance between Airborne Laser Scanning Metrics and Lorenz Curve Descriptors of Tree Size Inequality. *Canadian Journal of Remote Sensing* 39 (S1): S18–S31.
- Valbuena, R., De Blas, A., Martín Fernández, S., Maltamo, M., Nabuurs, G.-J. and Manzanera, J.A. Within-Species Benefits of Back-projecting Laser Scanner and Multispectral Sensors in Monospecific *Pinus sylvestris* Forests. *European Journal of Remote Sensing* 46: 401–416.
- Wolfslehner, B., Huber, P. and Lexer, M.J. Smart use of small-diameter hardwood - A forestry-wood chain sustainability impact assessment in Austria. *Scandinavian Journal of Forest Research* 28(2): 184–192.
- Wydra, D. and Püzl, H. Sustainability governance in democracies. *International Journal of Social Ecology and Sustainable Development* 4(1): 86–107.
- **Other peer-reviewed publications**
- Hetemäki, L., Hänninen, R. and Moiseyev, A. Markets and Market Forces for Pulp and Paper Products. In: Hansen, E., Panwar, R. and Vlosky, R. (eds.). *The Global Forest Sector: Changes, Practices and Prospects*. CRC Press, Taylor and Francis Group, USA. Pp. 99–128.
- Hetemäki, L. and Hänninen, R. Suomen metsäalan taloudellinen merkitys nyt ja tulevaisuudessa. *Kansantaloudellinen aikakauskirja (Finnish Economic Journal)* 2: 191–208.
- Hou, Z., Xu, Q. and Tokola, T. Analysis of ALS-based prediction errors: an implication for mapping tropical forests. In: *Proceeding of the 13th International Conference on LiDAR Applications for Assessing Forest Ecosystems (Silvilaser)*. Beijing, China, 9–11 October 2013.
- Lindner, M. and Calama, R. Climate Change and the Need for Adaptation in Mediterranean Forests. In: Lucas-Borja, M.E. (ed.). *Forest management of Mediterranean forests under the new context of climate change – Building alternatives for the coming future*. Nova Publishers, New York. Pp. 13–28.
- Masiero, M., Calama, R., Lindner, M. and Pettenella, D. Forests in the Mediterranean Region. In: Lucas-Borja, M.E. (ed.). *Forest management of Mediterranean forests under the new context of climate change – Building alternatives for the coming future*. Nova Publishers, New York. Pp. 3–11.
- Mauro, F., Valentín, M., García-Abril, A., Valbuena, R., Rodríguez-Solano, R. and De-Blas, A. Influencia de los errores de posicionamiento GNSS en la estimación de variables dasométricas medias a partir de datos LiDAR [Influence of GNSS errors on Forest Variable Estimations from LiDAR]. In: Montero G., Guijarro M. et al. (eds.) *Actas 6º Congreso Forestal Español [National Forestry Congress Proceedings]* 6CFE01-485. Sociedad Española de Ciencias Forestales, Vitoria, Spain. Pp. 2–15.
- Xu, Q., Hou, Z., Maltamo, M. and Tokola, T. Retrieving suppressed trees from model-based height distribution by combining high and low density airborne laser scanning data. In: *Proceeding of the 13th International Conference on LiDAR Applications for Assessing Forest Ecosystems (Silvilaser)*. Beijing, China, 9–11 October 2013.
- **Other scientific publications**
- Aggestam F. and Wolfslehner B. Mountain Forests and Land Use Scenarios – a review and scenario development. ARANGE D3.2.
- Ferranti, F. Energia dai boschi. *Intersezioni* 26, febbraio 2013.
- Ferranti, F. IL governo delle foreste europee. *Intersezioni* 28, marzo 2013.
- Harou, P.A., Rose D. and Lobianco, A. Costs-Benefits of Policy Instruments. In: Sisak, L., Dudik R. and Hrib, M. *Compilers Socio-economic Analysis of Sustainable Forest management*. International Symposium. Prague, Czech Republic, 15–17 May 2013. Pp. 70–80.
- Hujala, T., Khadka, C., Wolfslehner, B. and Vacik, H. The role of computerized tools supporting problem structuring in participatory forest planning. [FORSYS 2013, Decision support systems for Sustainable Forest Management, Umea, Sweden, 24–26 April 2013] In: SLU, IUFRO, The Swedish Research Council for Environment Agricultural Sciences and Spatial Planning and COST (eds.). *Program and Book of Abstracts*.
- Hart, K., Allen, B., Lindner, M., Keenleyside, C., Burgess, P., Eggers, J. and Buckwell, A. Land as an Environmental Resource. Report Prepared for DG Environment, Contract No ENV.B.1/ETU/2011/0029. Institute for European Environmental Policy, London.
- Kraus, D. and Zeppenfeld, T. Feuer als Störfaktor in Wäldern. *AFZ-Der Wald* 15/2013. Pp. 8–9.
- Kuittinen, M., Ludvig, A. and Weiss, G. Summary and Conclusions. In: Kuittinen, M., Ludvig, A. and Weiss, G. *Wood in Carbon Efficient Construction. Tools, methods and applications*. CEI-Bois, Brussels.
- Lovrić, N. and Lovrić, M. Public involvement in environmental decision making processes within nature park Medvednica (conference paper). First regional conference on environmental impact assessment. Zadar, Croatia, 18–21 September 2013.
- Lovrić, M. and Lovrić, N. Stakeholders participation in the transposition of Natura 2000 directives in Croatian forestry (conference paper). First regional conference on environmental impact assessment. Zadar, Croatia, 18–21 September 2013.
- Ludvig, A. and Weiss, G. Standards, Norms and Organisations for the Building Sector. In: Kuittinen, M., Ludvig, A. and Weiss, G. *Wood in Carbon Efficient Construction. Tools, methods and applications*; CEI-Bois, Brussels.

- Ludvig, A. and Weiss, G. Political Frameworks: The International Standards Regime in Wooden Construction. [SB 13 Munich, Sustainable Building Conference, Munich, Germany, 24–26 April 2013] In: Essig, N., Heinrich, M., Kohja, A. and Magdolen, S. (eds.). *Implementing Sustainability – Barriers and Chances*, 416. Fraunhofer IRB Verlag, Stuttgart.
- Ludvig, A. and Weiss, G. Political Frameworks: Governing Carbon Efficiency. [SB 13 Munich, Sustainable Building Conference, Munich, Germany, 24–26 April 2013] In: Essig, N., Heinrich, M., Khoja, A. and Magdolen, S. (eds.). *Implementing Sustainability – Barriers and Chances*. Fraunhofer IRB Verlag, Stuttgart.
- Muys, B., Hetemäki, L. and Palahí, M. Sustainable wood mobilization is a key challenge for Europe's National Renewable Energy Plans strongly relying on forest biomass. Feature article in *Biofuels, Bioproducts and Biorefining* 7: 359–360.
- Schuck, A., Green, T., Lasserre, B., Marchetti, M., Pulla, P. and Verkerk, P.J. Waldkarten – Besitzverteilung in europäischen Ländern. *FVA-Einblick* 2/13: 13–14.
- Schulz T. and Krumm F. Institutional Determinants of Integrative Nature Protection in Forest Policy of Selected European Countries: A Comparative Analysis. *Proceedings of a workshop on Perspectives on Forest Conservation – Tackling the Frontier between Policy and Conservation Science*.
- Snowdon, P. and Harou, P.A. Guide to Economic Appraisal of Forestry Investments and Programmes in Europe. Forestry Commission and EFICIENT.
- Spielmann, M., Bücking, W., Quadt, V. and Krumm, F. Integration of Nature Protection in Forest Policy in Baden-Württemberg (Germany). INTEGRATE Country Report for Baden-Württemberg. EFICIENT, Freiburg.
- Valbuena, R. Optimizing Geometric Accuracy in Data Source Integration for Airborne Laser Scanning-based Forest Inventory Projects. Doctoral thesis. UPM. Spain.
- Varela, E., Mavsar, R., Gorrioz, E. and Prokofieva, I. Beneficis ambientals de pi blanc per a la societat catalane. *Selvicultura* 4/13: 20–22.
- Varela, E., Mavsar, R. and Jacobsen, J. Preferencias sociales en la gestión de pinares de *Pinus halepensis* en Catalunya: ¿Quién se beneficia de la gestión forestal?. In: *Proceeding of: 6º Congreso Forestal Español*.
- Weiss, G. Innovation in Forestry: New Values and Challenges for Traditional Sector. In: Carayannis Elias G. (ed.). *Encyclopedia of Creativity, Invention, Innovation and Entrepreneurship*. Springer, Wien, New York. Pp. 964–971.
- Wolfslehner, B. and Lexer, M.J. Multifunctional management of mountain forests in Europe - the role of ecosystem services. In: Tonon, G., Ventura, M. and Bucci, G. *Proceedings of the 9th SISEF National Congress "Multifunzionalità degli Ecosistemi Forestali Montani: Sfide e Opportunità per la Ricerca e lo Sviluppo"*, Abstract-Book, Paper #c9.i.i. 4 p. <http://www.sisef.it/sisef/congresso-ix>
- Wolfslehner, B., Maroschek, M. and Lexer, M.J. ARANGE – Multifunctional management of mountain forests for the provision of ecosystem services. [Swiss-Austrian Mountain Days, Mittersill, 10–13 June 2013] In: Institut für Interdisziplinäre Gebirgsforschung, ÖAW, Homepage: Abstracts Swiss-Austrian Mountain Days. <http://www.chat-mountainalliance.eu/de/abstracts.html>
- Wolfslehner, B., Huber, P. and Lexer, M.J. Smart use of small-diameter hardwood - A forestry-wood chain sustainability impact assessment in Austria. [4th CASEE Conference "Food and Biomass Production – Basis for a Sustainable Rural Development", Zagreb, Croatia, 1–3 July 2013] In: Mesic, M. (ed.). *CASEE Conference 2013, Book of Abstracts*.
- Wolfslehner, B., Huber, P. and Lexer, M.J. Smart use of small-diameter hardwood – A forestry-wood chain sustainability impact assessment in Austria. In: COST Domain FPS – Forests, their Products and Services (Eds.), *COST YRF Booklet COST Conference. COST - FTP Young Researchers' Forum 2013 – Young Researchers Direct the Way to Innovation in the Forest-Based Sector*.

■ Consultancy reports and working papers

- Batista, A.F., Harou, P.A., Tu, G. and Tymofeiczuk, R. Cost benefits analyses in forest investments - Study case Brazil and France. Report. AgroParisTech/OEF, Nancy, France.
- Ćosović, M., Harou, P.A. and Blondet, M. Participatory research and policy in ecological corridors creation. Report. AgroParisTech/OEF, Nancy, France.
- Di Lucchio, L., Almeida, M.H., Correia, A., Silva-Pando, F.J., Díez Casero, J.J., Prieto Recio, C., González, A., Cantero, A., Travers, C., Navarro, P., Castro, A., Paillassa, E., Jinks, R. and Orazio, C. State of the Art on Forest Adaptation in the European Atlantic Area National and Regional Approaches. Background material for REINFFORCE project Collected in 2009-2010. 125 p.
- den Herder, M., Khadka, C., Pelli, P., Wolfslehner, B., Sandker, M., Lindner, M., Hetemäki, L., Rametsteiner, E., Muys, B. and Palahí, M. Scenario Development to strengthen National Forest Programmes - A review of future oriented tools and approaches that support policy making. Background document for the expert meeting "Considering future trends and scenarios in forest policy making – approaches and tools", 26–27 November 2013, FAO headquarters, Rome. 47 p. + Annexes 45 p.
- Jonsson, R., Mustonen, M., Lundmark, T., Nordin, A., Gerasimov, Y., Granhus, A., Hendrick, E., Hynynen, J., Kvist Johannsen, V., Kaliszewski, A., Miksys, V., Nord-Larsen, T., Polley, H., Sadauskiene, K., Snowdon, P., Solberg, B., Sollander, E., Snorrason, A., Valgepea, M., Ward, S. and Zalitis, T. Conditions and prospects for increasing forest yield in northern Europe. *Metla Working papers* 271: 2013.
- Mavsar, R., Valera, E., Herreros, F. and Gouriveau, F. Methods and tools for socio-economic assessment of goods and services provided by Mediterranean forest ecosystems. Prepared for Plan Blue in the frame of the project: Optimising the production of goods and services by Mediterranean forests in a context of global changes. 131 p.
- Zisenis, M., Mikos, V., Delbaere, B., den Herder, M., Fernández Bautista, P., Cools, J., Camping, P. and Gobin, A. European ecosystems: knowledge on their state and functioning – Interpreting environmental data for assessing ecosystem state and functioning and externalities. Specific Agreement 3522/B2013/EEA.55407 implementing Framework Contract Ref. No. EEA/NSV/10/004 – Lot 1. European Centre for Nature Conservation. 155 p.

■ Professional articles in newspapers and magazines

Mavsar, R. Galicia tienen un potencial por explotar en sus bosque. *Voz de Galicia*. 28 April 2013.

Pascual C., Cohen W., Valbuena R. and Manzanera J.A. Aplicaciones de datos Lidar a la evaluación de biomasa [Lidar Applications to Biomass Assessment]. *Revista Forestal Española* 51: 6–13.

■ Project reports

Fitzgerald, J. and Lindner, M. (eds.). Adapting to climate change in European forests – results of the MOTIVE project. Pensoft Publishers, Sofia.

Inhaizer, H., Baycheva, T., Lier, M., Prins, K. and Wolfslehner, B. Implementing Criteria and Indicators for Sustainable Forest Management in Europe. European Forest Institute. 128 p.

Kraus, D. and Krumm, F. (eds.). Integrative approaches as an opportunity for the conservation of forest biodiversity. In *Focus – Managing forest in Europe*. European Forest Institute. 284 p.

Orazio, C., Stojnic, S., Stojanovic, D., Gartzia, N. and Hayes, S. ROKFOR: The Influence of Climate Change on European Forests and the Forest Sector. European Forest Institute. 16 p.

■ Popular articles

Hetemäki, L. Minne menee metsäala. *Aarre -lehti*, no. 9/2013.

Makkonen-Spiecker, K. and Colling, R. *EFI 1993 bis 2013. AFZ - Der Wald* 17: 4–5.

Makkonen-Spiecker, K. and Colling, R. *EFI 1993–2013. En Route vers le plus grand réseau forestier européen. Revue forestière française* 2: 105–110.

Mulloy, F., Päivinen, R., Nabuurs, G.-J., Spiecker, H., Salminen, L. and Ruusila A. *Glanzlichter der ersten 20 Jahre. AFZ - Der Wald* 17: 10–11.

Palahí, M., Püzl, H., Liedeker, H. and Kraus, D. De l'institution de recherche au conseil en politique et en gestion. *Revue forestière française* 2: 116–119.

Palahí, M., Püzl, H., Liedeker, H., and D. Klaus. *EFI: Von einer Forschungsinstitution zum Ratgeber für Politik und Praxis. AFZ - Der Wald* 17: 8–9.

Peck, T., Mulloy, F., Päivinen, R., Nabuurs, G.-J., Spiecker, H., Salminen, L. and Ruusila A. *Les moments forts des 20 dernières années. Revue forestière française* 2: 120–124.

Shuck, A., Mavsar, R., Harou, P.A., Orazio, C., Wolfslehner, B., Lovric, M. and Mustonen, M. *Des bureaux régionaux pour des thèmes de recherche spécifiques aux régions. Revue Forestière Française* 2: 125–130.

Schuck, A., Mavsar, R., Harou, P.A., Orazio, C., Wolfslehner, B., Lovric, M. and Mustonen, M. *Regionalbüros für regional Fragen – integraler Bestandteil des EFI. AFZ-Der Wald* 17: 12–14.

■ Selected presentations

Barkaoui, A. and Rougieux, P. Demand for forest products in Europe. *EFICENT Annual Meeting, EFI 20 Years Science and Policy Forum*. Nancy, France, 26 September 2013.

Baycheva, T. Evolution of the pan-European C&I set. *Pan-European Forum Implementing Criteria and Indicators for Sustainable Forest Management*. Vienna, Austria, 8–9 October 2013.

Ferranti, F. Sub-national implementation of C&I for SFM in Germany. *Pan-European Forum Implementing Criteria and Indicators for Sustainable Forest Management*. Vienna, Austria, 8–9 October 2013.

Giurca, A., Jonsson, R., Priyadi, H. and Mustonen, M. Market based and regulatory/enforcement mechanisms and their impact on international timber trade between South-east Asia and Northern Europe. *Poster presentation at the EUTR-Conference*. Cologne, Germany, 5 May 2013.

Harou, P.A. Cost-Benefit to analyze forest instruments with FInWEB. *IUFRO International Symposium on Socio-economic analyses of Sustainable Forest Management*. Prague, Czech Republic, 15–17 May 2013.

Harou, P. A. Presentations on “Theory - history of economic thought – Aristotle, Bentham/Smith and utility to today”, “Methodological – economic valuation as a tool for observing people’s preferences – market prices, use and non-use” and “Practice – social vs. private profitability”. *EFI Winter Summer School 2013 Making values work – sustaining multiple values in managed forests’*. Belin-Beliet, France, 17–23 March 2013.

Held, A. Presentation on the FRISK GO project and the European Forest Risk Facility. *EFICENT-OEF Annual Meeting, EFI 20 Years Science and Policy Forum*. Nancy, France, 26 September 2013.

Held, A. Presentation on the use of fire as tool in managing contaminated landscapes on former military training areas. *Federal Forest Service Germany, District municipality Luckenwalde*. 14 August 2013.

Hetemäki, L. Can European Union forests supply the woody biomass needed to meet the renewable energy action plans of EU member states? *ThinkForest Seminar: Opportunities and challenges in meeting renewable energy targets from forest biomass – an EU perspective*. Brussels, Belgium, 11 April 2013.

Hetemäki, L. The Future of the European Forest Based Sector. *The 20th Anniversary Seminar of EFI, Joensuu Science Park*, 7 June 2013.

Hetemäki, L. Suomen metsäalan tulevaisuus ja vaikutukset Pirkanmaalle (The Future of the Finnish Forest Sector and Implications to Tampere Region). *Pirkanmaan päättäjien metsäpäivä (The Decision Makers Forest Day in Tampere Region)*. Tampere, Finland, 2 September 2013.

Hetemäki, L. Suomen Metsäalan Tulevaisuus (The Future of Finnish Forest Sector). *Opening speech in the Forest Academy for Decision-Makers 35th Course*. Kirkkonummi, Finland, 11 September 2013.

Hetemäki, L. The Future of the European Forest Based Sector. *IUFRO Forest Sector Modeling Conference 2013*. Lillehammer, Norway, 16 October 2013.

Hetemäki, L. Metsäalan palvelut tie menestykseen (The Forest Sector Services). *Opening of the Annual Finnish Forests Conference*. Helsinki, Finland, 21 November 2013.

Hetemäki, L. The Future of the European Forest Based Sector. *EFI 20th Anniversary Seminar “European Forest Sector: Structural Changes Towards Bioeconomy” at the Annual Finnish Forests Conference*. Helsinki, Finland, 22 November 2013.

Hetemäki, L. EU-Russia forest based sectors: Future and emerging needs. *ThinkForest event on emerging opportunities for EU-Russia cooperation on forest-based sector governance*. Rovaniemi, Finland, 13 December 2013.

- Hou, Z. Analysis of ALS-based prediction errors: an implication for mapping tropical forests. Oral presentation at the 13th International Conference on LiDAR Applications for Assessing Forest Ecosystems, Beijing, China, 9–11 October 2013.
- Hurmekoski, E. Studying the Future of the Forest-Based Sector - Structural Changes towards Bioeconomy. Presentation at the Nordic Workshop “The forest sector in the biobased economy – perspectives from policy and economic sciences”. Uppsala, Sweden, 29 August 2013.
- Inhaizer, H. Implementing Criteria and Indicators for Sustainable Forest Management. Pan-European Forum Implementing Criteria and Indicators for Sustainable Forest Management. Vienna, Austria, 8–9 October 2013.
- Inhaizer, H. Implementing Criteria and Indicators for Sustainable Forest Management. FOREST EUROPE Expert Level Meeting. Madrid, Spain, 6–7 March 2013.
- Kraus D. Management of disturbances: the practice perspective. International conference: Natural Disturbance – Post-Modern Lessons for Land Managers about Some Important Ecological Processes. Neuschönau, Germany, 3 May 2013.
- Kraus D. Integrative management approaches and spatial dynamics of different development stages in a near-natural Japanese beech forest in northern Honshu, Japan. International conference: Primeval Beech Forests – Reference Systems for the Management and Conservation of Biodiversity, Forest Resources and Ecosystem Services. Lviv, Ukraine, 2–9 June 2013.
- Krumm, F. and Schuck, A. Biodiversity and landscape – How to see values in the landscape? EFI Winter Summer School 2013 ‘Making values work – sustaining multiple values in managed forests’. Bellin-Beliet, France, 17–22 March 2013.
- Krumm, F., Kraus, D., Nabuurs, G.-J. and Fanta, J. Value of old-growth forests in Central and Eastern Europe for biodiversity and as references for natural forest development. Conference on Primeval beech forests – Reference Systems for the Management and Conservation of Biodiversity, Forest Resources and Ecosystem Services. Lviv, Ukraine, 2–9 June 2013.
- Lindner, M. and Zimmermann, N. Changes in climate and species suitability – How to interpret impacts and uncertainties? MOTIVE Final Meeting – Open Session. Freiburg, Germany, 10 April 2013.
- Lindner, M. How climate change will affect forests in Europe – what we know and what remains uncertain. Think Forest Event: Climate Change in European Forests – How to adapt? Brussels, Belgium, 25 April 2013.
- Lindner, M. How climate change will affect forests in Europe – what we know and what remains uncertain. EFI 2013: 20 years of Forest Networking in Europe. Joensuu, Finland, 7 June 2013.
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