4th European Agroforestry Conference

Agroforestry as Sustainable Land Use

28-30 May 2018, Nijmegen, The Netherlands

Monday-28th May 2018

14h30-16h30: "Factors of success and failure in the transition into agroforestry" (moderated by Robert Borek, Institute of Soil Science and Plant Cultivation, Pulawy, Poland)

1.1.1. Sustainable land resource management with agroforestry: empirical evidence from the Sunyani West District of Ghana, West Africa

Ashiagbor G, Oduro W, Thevathasan N, Gordon A, Gray R, Hambly Odame H

1.1.2. Trees to avoid or trees to support the use of fertilizers on crops?

Breman H

1.1.3. Agroforestry systems in Romania

Mihăilă E, Costăchescu C, Dănescu F, Popovici L

1.1.4. Benefits of agroforestry systems for land equivalent ratio – case studies in Brandenburg and Lower Saxony, Germany

Seserman DM, Veste M, Freese D, Swieter A, Langhof M

1.1.5. Hybrid walnut *(Juglans MJ209)* for timber production in an agroforestry scheme: some experiences learnt in Spain

Urban I, Fernández-Moya J, Licea R, Santacruz D, Gutiérrez-Tejón E

14h30-16h30: *"*Costs and revenues of agroforestry on the scale of the individual farm, a region and a state; proven practice and theoretical models" (moderated by Gerry Lawson, Centre for Ecology and Hydrology, UK)

1.2.1 Comparison of the profitability of an arable rotation, a monoculture olive system and a silvoarable system in Greece using the Farm-SAFE model

Baron G, Giannitsopoulos M, Pantera A, Graves A, and Burgess

1.2.2. LIFE Regenerate project: revitalizing multifunctional Mediterranean agrosilvopastoral systems using dynamic and profitable operational practices (LIFE16 ENV/ES/000276)

Mesias FJ, Moreno G, Kallen S, Sonneveld E, López-Sotelo J

1.2.3. Exploring the potential of agroforestry integration in arable and dairy farms in The Netherlands – an ex-ante assessment at field and farm level

Prins E, Groot J

1.2.4. Integrating a financial module in the Web-EcoYield-SAFE model for bioeconomic assessment of agroforestry ecosystems

Tomás A, Palma JHN, Graves A, García de Jalón S, Burgess PJ

1.2.5. High-resolution economic evaluation of black walnut alley cropping against the maize-soybean rotation in the Midwest USA

Wolz KJ, DeLucia EH

14h30-16h30: "Agroforestry policies" (moderated by Mark Vonk, EURAF-representative for The Netherlands; representative Stichting van Akker naar Bos; board member Foundation Agroforestry Nederland; co-owner Boshoeve Sprankenhof, The Netherlands)

1.3.1. Agroforestry in Switzerland – a non CAP European country

Herzog F, Szerencsits E, Kay S, Roces-Diaz JV, Jäger M

1.3.2. Adoption of agroforestry options in land use policy measures in Northern and Southern Ireland

McAdam J, Curran E

1.3.3. The political consequences of the implementation of "greening". A case study in France

Magnin L

1.3.4. Agroforestry within the Pillar I: including woody perennials in Pillar I lands to foster sustainability

Mosquera-Losada MR, Santiago-Freijanes JJ, Aldrey JA, Ferreiro-Domínguez N, Pantera A, Rigueiro-Rodríguez A

1.3.5. Agroforestry Policy Development in the USA and Europe

Ormsby Mori G, Mosquera-Losada MR

14h30-16h30: "Agroforestry as a form of sustainable land use to fight against climate change" (moderated by Adolfo Rosati, Consiglio per la Ricerca in Agricoltura, Spoleto, Italy)

1.4.1 Shade increases cereal production in Mediterranean conditions facing the climate change

Arenas-Corraliza MG, López-Díaz ML, Moreno G

1.4.2. Quantifying C stocks in high-yield, short-rotation woody crop production systems for forest and bioenergy values and CO_2 emission reduction

Coleman B, Bazrgar A, Sidders D, Gordon A, Thevathasan N

1.4.3. Using EcoYieldSAFE to compare soil carbon dynamics under future climate in two contrasting agroforestry systems

Palma JHN, Crous-Duran J, Graves AR, Garcia de Jalon S, Upson M, Oliveira TS, Paulo JA, Ferreiro-Domínguez N, Moreno G, Burgess PJ

1.4.4. How important is adapting regional climatic projections to the local environment? A procedure for microclimatic corrections makes the difference for crop growth in a virtual experiment

Reyes F, Gosme M, Blanchet G, Dupraz C

1.4.5. The effect of a young alley cropping system on soil microclimate

Vityi A, Kiss-Szigeti N, Marosvölgyi B

Wednesday-30th May 2018

9h00-11h00: "Testimonies of farmers from Europe" (moderated by Joana Amaral Paulo, Instituto Superior de Agronomia, University of Lisbon, Portugal)

2.1.1. Breakthrough in agriculture - successional agroforestry

Götsch E, Cieremans HM

2.1.2. Varkensbedrijf Neimeijer: experience in developing an agroforestry system for pigs

Neimeijer N, Neimeijer J, San Giorgi X, Dawson A, Kleijer G, Cremer H

2.1.3. Integrating trees in farm incubators to improve sustainability and efficiency of production systems: a collaborative agroforestry project

Person S, Leblanc J, Aubertin C

2.1.4. Oostwaard – multistrata agroforestry smallholding

San Giorgi X

2.1.5. Silvopastoral agroforestry for rural environment sustainability and valorization of the region of Guarda and Serra da Estrela, Portugal

Simões MF, Tomás A, Paulo JA

9h00-11h00: "Environmental benefits of agroforestry" (moderated by Felix Herzog, Agroscope Research Center, Zurich, Switzerland)

2.2.1. Agroforestry, grass, biomass crop, and row-crop management effects on soil water dynamics for claypan landscapes

Alagele SM, Anderson SH, Udawatta RP, Jose S

2.2.2. Inventory of tree hedgerows in an Italian agroforestry landscape by remote sensing and GIS-based methods

Chiocchini F, Ciolfi M, Sarti M, Lauteri M, Cherubini M, Leonardi L, Nahm M, Morhart C, Paris P

2.2.3. How do agroforestry trees affect the supply of regulating ecosystem services?

Crous-Duran J, Graves AR, Garcia de Jalón S, Kay S, Paulo JA, Tomé M, Palma JHN

2.2.4. The impact of soil and vegetation management of ecosystem servicies in European almond orchards

Leijster V, Santos MJ, Diaz M, Wassen MJ,Belen AB, Ramos ME, Verweij PA

2.2.5. Agroforestry component in formation and functioning of current agricultural landscapes

Yukhnovskyi V, Gladun G, Lobchenko G, Khryk V

9h00-11h00: "Biodiversity and added value" (moderated by Bohdan Lojka, Faculty of Tropical AgriSciences, Prague, Czech Republic)

2.3.1. SCA0PEST pesticide-free agroforestry cropping system: effects on weed communities

François M, Seyed Esmail A, Garcia E, Faucon MP, Grandgirard D, Simon L, Salitot G

2.3.2. Sowing legume-rich pastures make compatible an increase in production with the conservation of plant diversity of Mediterranean dehesas

Hernández-Esteban A, López-Díaz ML, Moreno G

2.3.3. Specialty crop development for temperate agroforestry systems: sustainable managements, marketing and promotion for the Midwest region of the USA

Ormsby Mori G, Gold M, Jose S

2.3.4. Gradients in abundance and diversity of ground-dwelling arthropods in the temperate silvoarable fields

Pardon P, Reheul D, Mertens J, Reubens B, De Frenne P, De Smedt P, Proesmans W, Van Vooren L, Verheyen K

2.3.5. A cost-effectiveness analysis of temperate silvoarable systems: what contribution do ecosystem services make?

Staton T, Walters R, Smith J, Chesshire H, Girling R

9h00-11h00: "Tree fodder: food for thoughts?" (moderated by Christian Dupraz, Institut National de la Recherche Agronomique, Montpellier, France)

2.4.1. Nutritional potential of fodder trees: the importance of tree species, soil type and seasonal variation

Luske B, van Eekeren N

2.4.2. Mineral composition of ash leaves (*Fraxinus excelsior* L.) used as fodder for the ruminants in summer

Mahieu S, Emile JC, Novak S

2.4.3. Exploring an innovative approach to study browsing behavior of dairy cows and the perfomance of self-medicative behavior in relation browsing

Roelen SSM, Luske B, Wagenaar JP

2.4.4. Tree fodder in UK livestock systems opportunities and barriers

Smith J, Westaway S, Whistance L

2.4.5. Early results of the effects of two varying celtic pig stocking densities on ibero-atlantic oakwoods (A Coruña, Spain)

Silva-Pando FJ, Alonso Santos M, Bustos Vázquez M, Ignacio Quinteiro MF

9h00-11h00: "Innovations in agroforestry" (moderated by Norbert Lamersdorf, Georg-August-Universität, Göttingen, Germany)

2.5.1. Creating agroforestry innovation and best practice leaflets

Burgess P, Moreno G, Pantera A, Kanzler M, Hermansen J, Van Lerberghe P, Balaguer F, Girardin N, Rosati A, Graves A, Watté J, Mosquera-Losada R, Waldie K, Pagella T, Liagre F

2.5.2. Lessons learnt from the intercropping and grazing of high value tree systems across Europe

Pantera A, Mosquera-Losada MR, Burgess P, Graves A, Ferreiro-Domínguez N, Corroyer N, McAdam J, Rosati A, López-Díaz ML, Mantzanas K, Moreno G, Papadopoulos A, Papanastasis VP, Van Lerberghe, Giannitsopoulos M

2.5.3. SidaTim: assessing the potential of new biomass crops and valuable timber trees in agroforestry systems

Paris P, Augusti A, Burgess P, Bury M, Chiocchini F, Cumplido-Marin L, Facciotto G, Chiarabaglio PM, Graves A, Lauteri M, Leonardi L, Martens R, Morhart C, Rossi AE, Tarchi M, Nahm M

2.5.4. Using biochar from sewage sludge and other feedstocks in European agroforestry: opportunities and challenges

Nair VD, Freitas AM, Mosquera-Losada MR, Ferreiro-Domínguez N, Nair PKR

2.5.5. AFINET: agroforestry innovation thematic network

Villada A, Verdonckt P, Ferreiro-Domínguez N, Rodríguez-Rigueiro FJ, Arias-Martínez D, Rois-Díaz M, den Herder M, Paris P, Pisanelli A, Reubens B, Nelissen V, Paulo JA, Palma JHN, Vityi A, Szigeti N, Borek R, Galczynska M, Balaguer F, Smith J, Westaway S, Rigueiro-Rodríguez A, Mosquera-Losada MR

13h00-15h00: "Social and economic aspects in developing agroforestry" (moderated by Pierluigi Paris, Consiglio Nazionale delle Ricerche, Porano, Italy)

3.1.1. Growing a food forest as a sustainable business; some practical reflections on the basis of Food Forest Eemvallei Zuid

Buiter M, Van Eck W, De Waard FJ, Derksen E, en Lensink B

3.1.2. Stakeholders´ perceptions of the environmental and socio-economic benefits of agroforestry systems: an on line survey in Italy

Camilli F, Marchi V, Pisanelli A, Seddaiu G, Paris P, Franca A, Rosati A

3.1.3. Carbon footprint in dehesa agroforestry systems

Escribano M, Moreno G, Eldesouky A, Horrillo A, Gaspar P, Mesías FJ

3.1.4. Effective managing, initiate and monitoring food forest

Fonk SG, Lenderink R, Sendar N

3.1.5. Remains of chestnut wood pastures as part of agrofrestry systems in Slovakia

Pástor M, Jankovič J, Pažitný J

13h00-15h00: "Tree-Crop-Animal competition and facilitation" (moderated by Jo Smith, Organic Research Centre, Newbury, UK)

3.2.1. Combining short rotation willow coppice with free range chickens – experiences from experiments on farm level in The Netherlands

Boosten M, Penninkhof J

3.2.2. Impact of tree root pruning on yield of durum wheat and barley in a Mediterranean alley cropping system

Inurreta-Aguirre HD, Lauri PÉ, Dupraz C, Gosme M

3.2.3. Modelling shadow in agroforestry systems based on 3D data

Morhart C, Rosskopf E, Nahm M

3.2.4. Horticultural agroforestry systems: a modelling framework to combine diversification and association effects

Paut R, Sabatier R, Tchamitchian M

3.2.5. Improving crop productivity in agroforestry systems: low leaf respiration is a key trait

Rosati A, Pang K, Van Sambeek J, Gold M, Jose S

13h00-15h00: "Agroforestry and multiple products value chain" (moderated by María Rosa Mosquera-Losada, University of Santiago de Compostela, Spain)

3.3.1. Impact of pollarding on growth and development of adult agroforestry walnut trees

Dufour L, Gosme M, Le Bec J, Dupraz C

3.3.2. Food value, the online marketplace that really makes local food chains take off!

Karssen M, Koster S, Dolmans L, Wentink H, van Dooren N

3.3.3. Durum wheat in olive orchard: more income for the farmers?

Panozzo A, Desclaux D

3.3.4. Agroforestry for food in the U.S. corn belt : key aspects of tree crop improvement to enable novel systems

Revord RS, Lovell ST, Mattia C, Molnar TJ, Wolz KJ

3.3.5. The emerging practice of food forest – a promise for a sustainable urban food system?

Van Dooren N, Oosterhof G, Stobbelaar D, Van Dorp D

13h00-15h00: “Education and tools to investigate agroforestry” (moderated by Anastasia Pantera, Technological Educational Institute, Karpenissi, Greece)

3.4.1. Identifying bottlenecks and gateways for agroforestry development in Poland

Borek R, Gałczyńska M

3.4.2. Education on agroforestry in the context of sustainable development

Hübner-Rosenau D, Koch O, Hofmann P, Große, F, Bloch R, Cremer T

3.4.3. Experiences with stakeholder specific formats participation to foster agroforestry

Hübner R, Pukall K, Zehlius-Eckert W

3.4.4. Strategies for stimulating the transition into agroforestry in Quebec, Canada

Olivier A, Anel B, Cogliastro A, Rivest D

3.4.5. Education in agroforestry: preliminary results from the AGROF MM – Erasmus + project

Pantera A, Burriel C, Herdon M, Tamás J, Lamaison M, Musquar C, Seeman M, Atanassova S, Harfouche A, Escural JM, Fico F, Devernay S, Lavoyer S, Balaguer F, Papadopoulos A, Papanastasis V, Mantzanas K

13h00-15h00: "Dutch practice and Dutch transition" (moderated by Van Veluw, Wageningen University & Research, The Netherlands)

3.5.1. Samenland, ‘Together land’

Taco Blom

3.5.2. Fruittuin van West, ‘Fruit garden of western Amsterdam’

Wil Sturkenboom

3.5.3. Paradijsvogelbosje 'bird of paradise forest'

Marien Abspoel

3.5.4. Voeselbos Ketelbroek, 'Food Forest Ketelbroek'

Wouter van Eck

3.5.5. Henricushoeve, ‘Henricus farm’

Marijke Hoefnagel

3.5.6. Kippenboerderij de zandschulp, Poultry-Orchard 'De Zandschulp'

Wim Thomassen

3.5.7. Frecklinghof, 'Freckling farm'

Chiel van Dijk