
EURAF2020
NUORO
EURAF
European Agroforestry Federation
UNINUORO
L'UNIVERSITÀ AL CENTRO
5TH EUROPEAN AGROFORESTRY CONFERENCE
17th - 19th MAY 2021 - ITALY
OVERALL PROGRAMME
Agroforestry for the transition towards sustainability and bioeconomy

Scientific Committee

ITALY

Donatella Spano, *Department of Agricultural Sciences, and CMCC Foundation Euro-Mediterranean Center on Climate Change, University of Sassari*

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C.O.L.Sar gathers the representatives of the local institutions involved in the conference organization

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PROGRAMME - 17TH MAY 2021

14.00 PLENARY SESSION - ROOM A

14.00 **Connection**

14.10 **Welcome to the 5th European Agroforestry Conference**
Francesca Camilli, *EURAF Vice-President;* **Patrick Worms**, *EURAF President*

14.20 **Plenary session I**

CHAIRS: Donatella Spano, *Department of Agricultural, University of Sassari, Italy - Sciences, and CMCC Foundation Euro-Mediterranean Center on Climate Changeo*

Protecting the Earth and Her Human Inhabitants through Multifunctional Agroforestry

Sarah Lovell, *Center for Agroforestry, UMCA, University of Missouri, USA*

18.50 *Connection with* **"Cocoa Agroforestry Conference"**

14.50 PARALLEL SESSIONS 1

1.1 CLIMATE CHANGE - ROOM A

CHAIRS: Maria Teresa Vilela Nogueira Abdo, *Polo Regional Centro Norte-APTA, Brazil;* **Alberto Mantino**, *Institute of life sciences, School of Advanced Studies Sant'Anna, Pisa, Italy*

14.50-15.00 **(O1.1_1_19) Design and potential carbon sequestration benefits of a newly - established silvopasture system in Highland Scotland**

Andrew Barbour, Seonag Barbour, Robert Barbour

15.00-15.10 **(O1.1_2_39) Looking into the future – what is suitable to be grown and what is authorised to be grown in Switzerland?**

Sonja Kay, Felix Herzog

15.10-15.20 **(O1.1_3_40) The role of watering ponds in securing water supply for livestock in Iberian dehesas in a context of climate change**

Ubaldo Marín-Comitre, Susanne Schnabel, Manuel Pulido-Fernández

15.20-15.30 **(O1.1_4_82) Does agroforestry modelling need a paradigm shift?**

Eike Luedeling, Katja Schiffers, Cory Whitney

15.30-15.40 **(O1.1_5_130) Carbon footprint and carbon sequestration comparative analysis of organic pig and cattle farms in dehesa agroforestry systems**

Andrés Horrillo, Paula Gaspar, Marta Alcalá, Francisco Mesías, Ahmed Elghannam, Miguel Escribano

15.40-16.00 **Discussion**

1.2 ENHANCING ECOSYSTEM SERVICES PROVISION BY AGROFORESTRY SYSTEMS - ROOM B

CHAIRS: Nuria Ferreiro-Dominguez, *Universidade de Santiago de Compostela, Spain;* **Antonello Franca**, *Institute for Animal Production System in Mediterranean Environment, National Research Council, CNR-ISPAAM, Italy*

14.50-15.00 **(O1.2_1_38) Land-sharing or land-sparing for trees within upland agricultural land use in Wales, what's the way forward for rebalancing ecosystem services?**

Ashley Hardaker, Tim Pagella, Mark Rayment

15.00-15.10 **(O1.2_2_49) Can temperate agroforestry systems contribute to Sustainable Intensification of agriculture?**

Felix Herzog, P.K.R. Nair

15.10-15.20 **(O1.2_3_88) Balancing demand and supply of land-based services with suitability maps for agroforestry systems**

Carmen Schwartz, Fabrizio Ungaro, Sonoko Bellingrath-Kimura, Mostafa Shaaban, Annette Piorr

15.20-15.30 **(O1.2_4_100) Assessing the influence of silvopastoral practices on the provision of ecosystem services in grazed woodlands: a Delphi survey on Spanish Mediterranean mid-mountain areas**

Antonio Lecegui, Ana Ma Olaizola, Elsa Varela

15.30-15.40 **(O1.2_5_302) The hidden land conservation benefits of olive-based (Olea europaea L.) landscapes: An agroforestry investigation in the southern Mediterranean (Calabria region, Italy)**

Elena Brunori, Mauro Maesano, Federico Valerio Moresi, Giorgio Matteucci, Rita Biasi, Giuseppe Scarascia Mugnozza

15.40-16.00 **Discussion**

1.3 AGROFORESTRY, BIODIVERSITY, AND WILDLIFE MANAGEMENT - ROOM C

CHAIRS: Michael den Herder, *European Forestry Institute, Finland*
Andrea Pisanelli, *National Research Council, Research Institute on Terrestrial Ecosystems, CNR-IRET, Italy*

14.50-15.00 **(O1.3_1_7) Higher biodiversity and pollination service in temperate agroforestry than in monoculture**

Alexa Varah, Hannah Jones, Jo Smith, Simon Potts

15.00-15.10 **(O1.3_2_15) Characterization and management of Russian olive accessions in Gilgit-Baltistan, northern Pakistan**

Muhammad Abubakkar Azmat, Asif Ali Khan, Iqrar Ahmad Khan, Andreas Buerkert, Martin Wiehle

15.10-15.20 **(O1.3_3_36) Ecosystem services in short rotation coppice in agricultural land in Latvia**

Dagnija Lazdina, Vita Kreslina, Guntis Brumelis, Arta Bardule, Kristaps Makovskis, Andis Bardulis

15.20-15.30 **(O1.3_4_59) Woodlands and hedgerows of the Po plain: planning instruments and policies implications on biodiversity conservation**

Giovanni Trentanovi, Andrea Rizzi, Thomas Campagnaro, Edoardo Alterio, Simone Iacopino, Federico Correale, Giustino Mezzalira, Tommaso Sitzia

15.30-15.40 **(O1.3_5_99) The effects of tree species composition on soil-related biodiversity in shelterbelts**

Nóra Szigeti, Dániel Winkler

15.40-16.00 **Discussion**

1.4 AGROFORESTRY AND THE LANDSCAPE - ROOM D

CHAIRS: Norbert Lamersdorf, *Soil Science and Temperate Ecosystems, University of Gottingen;* **Antonio Brunori**, *PEFC Italy*

14.50-15.00 **(O1.4_1_61) The role of agroforestry systems in the FAO Globally Important Agricultural Heritage Systems (GIAHS) programme**

Martina Venturi, Erica Mazza, Remo Bertani, Antonio Santoro, Federica Corrieri, Mauro Agnoletti

15.00-15.10 **(O1.4_2_95) Landscape transitions as a chance for agroforestry. The case of Park Lingezegen, The Netherlands**

Suzanne van der Meulen, Derk Jan Stobbelaar, Louis Dolmans

15.10-15.20 **(O1.4_3_104) Designing urban agroforestry withpeople in mind**

John R. Taylor, Sarah T. Lovell

15.20-15.30 **(O1.4_4_159) Diversifying oil palm plantations in the Southern Pacific region in Costa Rica**

Ricardo Salazar-Díaz, Lucía Mack-Rivas, Mario Guevara-Bonilla

15.30-15.40 **(O1.4_5_173) The role of agroforestry in a multifunctional and uncertain world: a landscapes perspective**

Esther Reith, Elizabeth Gosling, Thomas Knoke, Carola Paul

15.40-16.00 **Discussion**

16.00 **Coffee break**

16.20 PARALLEL SESSIONS 2

2.1 AGROFORESTRY, QUALITY FOOD PRODUCTS AND CERTIFICATION - ROOM A

CHAIRS: Manuel Bertomeu, *Department of Agricultural and Forestry Engineering, University of Extremadura, Spain;* **Antonio Trabucco**, *Impacts on Agriculture, Forests and Ecosystem Services Division, Foundation Euro-Mediterranean Center on Climate Change (CMCC), Italy*

16.20-16.30 **(O2.1_1_193) Certification of agroforestry systems and products according to the PEFC**

Antonio Brunori, Francesca Dini, Eleonora Mariano

16.30-16.40 **(O2.1_2_207) FireFlocks: Managing wildfire risk by adding value to flocks' products**

Emma Soy-Massoni , Nuria Prat, Guilleme Canaleta , Oriol Vilalta

16.40-16.50 **(O2.1_4_255) The potential of geographical indications for labelling in Mediterranean agroforestry systems**

Lukas Flinzberger, Yves Zinngrebe, Tobias Plieninger

16.50-17.00 **(O2.1_5_303) Understanding the resilience of agroforestry systems in a changing biosphere: a review of stable isotopes in ecophysiological studies**

Marco Lauteri, Francesca Chiocchini, Marco Ciolfi, Giuseppe Russo, Claudia Consalvo, Pierluigi Paris, Andrea Pisanelli, Maria Cristina Monteverdi, Angela Augusti, Cristina Maguas

17.10-17.30 **Discussion**

2.2 POLICY - ROOM B

CHAIRS: Gerry Lawson, *European Agroforestry Federation, UK;* **Giustino Mezzalira**, *Giustino Mezzalira, Regional Agency for Agriculture, Forestry and Agri-food sectors, VenetoAgricoltura, Italy*

16.20-16.30 **(O2.2_2_185) AGROMIX – Introducing Policy Co-Development for Agroforestry and Mixed Farming**

Ulrich Schmutz, Sara Burbi, Paola Migliorini

16.30-16.40 **(O2.2_3_191) Policy lessons from fifty years of trees on farms in New Zealand**

Donald J Mead

16.40-16.50 **(O2.2_4_198) Agroforestry in the CAP: an analysis of RDP support in Italy**

Antonio Pepe, Luca Caverni, Raoul Romano, Francesco Vanni, Lorenzo Crecco, Saverio Maluccio

16.50-17.00 **(O2.2_5_203) Agroforestry Options in the next CAP**

Gerry Lawson, Patrick Worms

17.10-17.30 **Discussion**

3.2 AGROFORESTRY INNOVATIONS TOWARD INNOVATIVE AGROFORESTRY SYSTEMS - ROOM C

CHAIRS: Anastasia Pantera, *Faculty of Crop Science, Agricultural University of Athens, Greece;* **Marcello Mele**, *Center for Agro-environmental research "Enrico Avanzi", University of Pisa, Italy*

16.20-16.30 **(O3.2_1_48) Do agroforestry practices improve tree performance compared to monoculture? Case study of agroforestry plantations including fast- growing trees**

Anaïs Grosjean, Nicolas Marron, Pierrick Priault

16.30-16.40 **(O3.2_2_139) 3 years of agroforestry implementation in Brandenburg – main findings, lessons learnt, outlook**

Tobias Cremer, Ralf Bloch, Tobias Kamphoff, Elias Wodzinowski

16.40-16.50 **(O3.2_4_153) Agroforestry between tradition and innovation: redesigning organic long-term experiments in Italy through participatory approach**

Elena Testani, Danilo Ceccarelli, Stefano Canali, Mariangela Diacono, Angelo Fiore, Corrado Ciaccia

17.10-17.30 **Discussion**

3.3 MANAGING MEDITERRANEAN AGRO-SILVOPASTORAL SYSTEMS - ROOM D

CHAIRS: Maria Conceiçao Caldeira, *Instituto Superior d'Agronomia, Univer sidade de Lisboa, Portugal; Antonio Franca, Institute for Animal Production System in Mediterranean Environment, National Research Council, CNR-ISPAAM, Italy*

16.20-16.30 **(O3.3_1_113) What drives silvopastoral management in mid-Mediterra nean mountain areas? Addressing opportunities, synergies and barriers of forest owners and livestock farmers for joint silvopastoral management**

Elsa Varela, Ana Olaizola, Isabel Blasco, Carmen Capdevila, Antonio Lecegui, Isabel Casasús, Daniel Martín-Collado, Alberto Bernués

16.30-16.40 **(O3.3_2_120) Redesign and management of Silvopastoral systems in the South of France. Insights from agroecology**

Stéphane Bellon

16.40-16.50 **(O3.3_3_160) Interaction between beef herd and olive grove in Lazio (Italy) organic farm**

Miriam Iacurto, Francesca Pisseri, Davide Bochicchio, David Meo Zilio, Anna Beatrice Federici

16.50-17.00 **(O3.3_4_208) Using quantile regression to evaluate the impact of different factors in the cork calliper of cork oak trees in montado agroforestry ecosystem**

Joana Amaral Paulo, Paulo Neves Firmino, Sónia Pacheco Faias, Margarida Tomé

17.00-17.10 **(O3.3_5_228) Assessing the long-term persistence of legume-rich mixtures sown in Mediterranean Dehesas through NDVI analysis**

Antonio Pulina, Ana Hernández-Esteban, Giovanna Seddaiu, Pier Paolo Roggero, Gerardo Moreno

17.10-17.30 **Discussion**

17.30 **Coffee break**

17:50 PARALLEL SESSION 3

1.1 CLIMATE CHANGE - ROOM A

CHAIRS: Zita Szalai, *Department of Ecological and Sustainable Production Systems, Szent Istvàn University;* **Marcello Mele**, *Center for Agro-environmen tal research "Enrico Avanzi", University of Pisa, Italy*

17.50-18.00 **(O1.1_6_199) Artificial shading to mimic the effects of trees on old wheat varieties for future implementation in agroforestry systems**

Anna Panozzo, Elia Tognetti, Giuseppe Barion, Manuel Ferrari, Alberto Di Stefano, Cristian Dal Cortivo, Teofilo Vamerali

18.00-18.10 **(O1.1_7_200) Grazing iberian dehesa: Carbon sequestration offset livestock emissions**

Mireia Llorente, Gerardo Moreno

18.10-18.20 **(O1.1_8_246) Assessing the adaptability of maize varieties in silvoarable systems, a case study of Galicia region, Spain**

Davide Primucci, Nuria Ferreiro-Domínguez, Antonio Rigueiro-Rodríguez, Maria Rosa Mosquera-Losada

18.30-18.50 **Discussion**

3.1 AGROFORESTRY AND WILDFIRE PREVENTION - ROOM B

CHAIRS: Bohdan Lojka, *University of Life Sciences, Prague; Czech Republic;* **Valentina Bacciu**, *Institute for the BioEconomy, National Research Council, CNR-IBE, Italy*

17.50-18.00 **(O3.1_1_20) Forest fire prevention and agroforestry: the case of the Zonza forest (South Corsica, France)**

Antonella Massaiu, Muriel Tiger

18.00-18.10 **(O3.1_2_46) Swidden Agriculture as a Sustainable Production System: a case study on soils in the Southeast Atlantic Forest of Brazil**

Anna M. Visscher, Manuela Franco de Carvalho da Silva Pereira, José Lavres Jr, Carlos, Eduardo Pellegrino Cerri, Hilton Thadeu Zarate do Couto, Ciro Abbud Righi

18.10-18.20 **(O3.1_3_57) Fire as a tool for territorial management in agroforestry contexts**

Salvatore Cabiddu, Antonio Casula, Franco Casula, Michele Chessa, Giovanni Monaci, Stefania Murranca, Maria Tiziana Pinna., Giancarlo Muntoni, Gonaria Dettori

18.20-18.30 **(O3.1_4_260) Improving silvopasture farming systems in highly biodiverse areas through the use of aerial images**

Jose Javier Santiago-Freijanes, Nuria Ferreiro-Domínguez, Francisco Javier Rodríguez-Rigueiro, Antonio Rigueiro-Rodríguez, María Rosa Mosquera-Losada

18.30.18.50.1 **Discussion**

3.2 - AGROFORESTRY INNOVATIONS TOWARD INNOVATIVE AGROFORESTRY SYSTEMS - ROOM C

CHAIRS: Robert Borek, *Institute of Soil Science and Plant Cultivation, Pulawy, Poland;* **Pierluigi Paris**, *Research Institute on Terrestrial Ecosystems, National Research Council, Italy*

17.50-18.00 **(O3.2_6_211) Differences in measured and modeled transmitted photosynthetically active radiation in different orchards and their impact on understory crop photosynthesis**

Adolfo Rosati, Kevin Wolz, Lora Murphy, Michael Gold

18.00-18.10 **(O3.2_7_250) From early adopters to mainstream: Facilitating the developing agroforestry community in the Netherlands**

Andrew Dawson, Donatella Gasparro, Fogelina Cuperus, Maureen Schoutsen, Isabella Seli Noren, Wijnand Sukkel

18.10-18.20 **(O3.2_8_287) Paulownia in Northern Italy and its potential use in silvoarable systems**

Giustino Mezzalira, Federico Correale, Loris Agostinetto

18.30-18.50 **Discussion**

3.3 MANAGING MEDITERRANEAN AGRO-SILVOPASTORAL SYSTEMS - ROOM D

CHAIRS: Sonja Kay, *Agroscope, Federal Department of Economic Affairs, Education and Research EAER, Switzerland;* **Giovanna Seddaiu**, *Department of Agricultural Sciences, and Desertification Research Centre, University of Sassari, Italy*

17.50-18.00 **(O3.3_6_265) Shrub encroachment combines with drought and fire to decrease Quercus suber tree resilience in silvopastoral cork oak ecosystems**

Maria C. Caldeira, Xavier Lecomte, Raquel Lobo-do-Vale, Christiane Werner, Miguel N. Bugalho

18.00-18.10 **(O3.3_7_338) Does livestock grazing affects soil properties in an oak silvopastoral system? Results from a traditional system in Western Greece**

Theodoros Notis, Andreas Papadopoulos, Stavroula Galanopoulou, Anastasia Pantera

18.10-18.20 **(O3.3_8_345) Adaptive Multi-Paddock model: a sustainable management practice for Mediterranean silvopastoral systems**

Antonio Frongia, Antonio Pulina, Marco Cuboni, M.aria Carmela Caria, Tore Pala, Daniele Nieddu, Daniele Dettori, Costantino Masala, Simonetta Bagella, Antonio Franca, Pier Paolo Roggero, Giovanna Seddaiu

18.20-18.30 **(O3.3_9_27) The agroforestry in the new Algerian forest strategy: state of art, socio-economic importance and future perspectives**

Sonia Marongiu, Mohamed Abes, Assia Azzi

18.30-18.50 **Discussion**

18.50 **Closing the first day**

PROGRAMME - 18TH MAY 2021

14.00 PLENARY SESSION - ROOM A

14.00 **Connection**

14.10 **Welcome from the EURAF board**
Judit Csikvari, *Zsork Foundation, Hungary;* **Rico Huebner,** *Chair for Strategic Landscape Planning and Management, Techncical University of Munich, Germany*

14.20 **Plenary session II**

CHAIRS: Maria Rosa Mosquera, *Crop Production and Project Engineering Department, University of Santiago de Compostela, Spain*

Agricultural heritage systems and agroforestry

Mauro Agnoletti, *CULTAB – Laboratory for Landscape and Cultural Heritage School of Agriculture, University of Florence, Italy*

14.50 **Plenary session III**

CHAIRS: Giuseppe Pulina, *Department of Agriculture Sciences, University of Sassari, Italy*

Agroforestry for sustainable animal production systems

Fabiana Villa Alves, *Ministério da Agricultura, Pecuária e Abastecimento, Brasil*

15.20 **Coffee break**

15.40 PARALLEL SESSION 4

1.1 CLIMATE CHANGE - ROOM A

CHAIRS: Paul Burgess, *Crop Ecology and Management, Cranfield Soil and Agrifood Institute, UK;* **Adolfo Rosati**, *Council for Agricultural Research and Economics (CREA), Research Centre for Olive, Fruit and Citrus Crops, Italy*

15.40-15.50 **(O1.1_10_326) Tree cover affects the soil C balance in the Mediterranean cork-oak based silvopastoral systems**

Antonio Pulina, Chiara Cappai, Sergio Campus, Roberto Lai, Lorenzo Salis, Pier Paolo Roggero, Giovanna Seddaiu

15.50-16.00 **(O1.1_11_30) Silvopasture as a best practice for achieving good animal welfare in a changing and changeable climate: a review**

Lindsay Whistance, Jo Smith

16.00-16.10 **(O1.1_13_33) Potential of agroforestry in climate change mitigation - Assessment of greenhouse gas emissions in four different beef cattle production systems in Finland**

Alice Ripamonti, Michael den Herder, Anna Sandrucci

16.10-16.20 **(O1.1_14_54) Agroforestry and climate change – can almonds be grown in northern Switzerland?**

Adrian Reutimann, Sonja Kay, Felix Herzog, Andreas Naef

16.20-16.30 **(O1.1_15_98) Ink disease threaten Castanea sativa in agroforestry systems in Sardinia (Italy): prevention and control strategies**

Bruno Scanu, Virgilio Balmas, Lucia Maddau, Vanda Prota, Salvatorica Serra, Quirico Migheli

16.30-16.50 **Discussion**

1.2 ENHANCING ECOSYSTEM SERVICES PROVISION BY AGROFORESTRY SYSTEMS - ROOM B

CHAIRS: Bert Reubens, *Institute for Agricultural, Fisheries and Food Research, Belgium;* **Marco Lauteri**, *National Research Council, Research Institute on Terrestrial Ecosystems, CNR-IRET, Italy*

15.40-15.50 **(O1.2_6_339) Plant diversity and ecosystem services of silvopastoral Mediterranean agroforestry systems**

Pier Paolo Roggero, Antonio Pulina, Giovanna Seddaiu, Maria Carmela Caria, Simonetta Bagella

15.50-16.00 **(O1.2_8_34) Distribution and nutrient content of poplar fine roots in an agroforestry crop alley in Northern Germany**

Anita Swieter, Magdalena Gara, Maren Langhof, Jörg Michael Greef, Rolf Nieder

16.00-16.10 **(O1.2_10_101) Defining research priorities in complex Agroforestry systems**

Katja Schiffers, Cory Whitney, Eike Luedeling

16.10-16.20 **(O1.2_11_111) Studies on the diversity of the bacterial community associated with symbiosis between Tuber borchii and Quercus ilex in different Sardinian forest**

Giovanni Ragaglia, Aurélie Deveau, Nicoletta Pasqualina Mangia, Marongiu Raffaele Enrico Lancellotti, Antonio Franceschini, Pietrino Deiana

16.20-16.30 **(O1.2_13_248) Study of residual effects of sewage sludge application in a silvopastoral system on soil bacterial communities using a high-throughput sequencing technology**

Vanessa Alvarez-Lopez, Alexander Lamas, Beatriz Vazquez, Maria Rosa, Mosquera-Losada

16.30-16.50 **Discussion**

1.3 AGROFORESTRY, BIODIVERSITY, AND WILDLIFE MANAGEMENT - ROOM C

CHAIRS: Andrea Vityi, *Hungary Co-operational Research Centre Nonprofit Ltd, University of Sopron, Hungary;* **Bachisio Arca**, *Institute for the BioEconomy, National Research Council, CNR-IBE, Italy*

15.40-15.50 **(O1.3_6_220) Conserving threatened beneficial insects: bees, wasps and hoverflies in UK silvoarable systems**

Tom Staton, Richard J. Walters, Jo Smith, Tom D. Breeze, Sian K. Davies, Robbie D. Girling

15.50-16.00 **(O1.3_7_283) Tree rows change the soil biodiversity abundance and repartition within the first year of plantation at an experimental agroforestry site in Ramecourt (Northern France)**

Caroline Choma, Christelle Pruvot, François Delbende, Sitraka Andrianarisoa

16.00-16.10 **(O1.3_9_257) Phytosociology of Weeds in agroforestry system managements**

Monica Helena Martins, Maria Beatriz Bernardes Soares, Ana Carolina Oliveira, Bruna Beatriz Correiar, Maria Teresa Vilela Nogueira Abdo

16.10-16.20 **(O1.3_10_297) Agroforestry as on-farm conservation strategy for Virola surinamensis, an endangered Amazonian species**

Fátima Conceição Márquez Piña-Rodrigues, Karina Martins, Ivonir Piotrowski, José Mauro Santana da Silva, Aparecida Juliana Martins Corrêa, Roselea Oliveira de Almeida, Miguel Luiz Menezes Freitas

16.20-16.30 **(O1.3_11_322) Practicing sustainable agroforestry for biodiversity conservation and sustained livelihood option for tribal in Jharkhand (India)**

Sanjeev Kumar

16.30-16.50 **Discussion**

1.4 AGROFORESTRY AND THE LANDSCAPE - ROOM D

CHAIRS: Felix Herzog, *Agricultural landscapes and biodiversity, Agroscope, Switzerland;* **Giustino Mezzalira**, *Regional Agency for Agriculture, Forestry and Agri-food sectors, VenetoAgricoltura, Italy*

15.40-15.50 **(O1.4_6_204) The Meriagos: landscape value from Sardinian agro-forestry system**

Giuseppe Pulina, Luisa Carta, Giovanni Piras, Manuela Manca, Giampiero Incollu, Antonio Melchiorre Carroni

15.50-16.00 **(O1.4_7_223) Monitoring of gypsy moth in Sardinian cork oak forests and woodlands: past, present and future implementations**

Roberto Mannu, Arturo Cocco, Pietro Luciano, Maurizio Olivieri, Giuseppino Pira, Pino Angelo Ruiu, Salvatore Seddaiu, Andrea Lentini

16.00-16.10 **(O1.4_8_71) Enhancing Terraced Landscapes for Ensuring a Sustainable Development of Traditional Agroforestry Systems. A case study in Piedmont (Italy).**

Enrico Pomatto, Paola Gullino, Marco Devecchi, Federica Larcher

16.10-16.20 **(O1.4_9_72) Spatial models as a tool to evaluate afforestation actions In agrosilvopastoral systems**

Joaquin Francisco Lavado Contador, Estela Herguido Sevillano, Susanne Schnabel, Manuel Pulido Fernández, Alavaro Gómez Gutiérrez

16.20-16.40 **Discussion**

16.40 **Coffee Break**

17.10 PARALLEL SESSION 5

4.1 EDUCATION, INFORMATION SHARING AND AWARENESS RAISING IN AGROFORESTRY - ROOM B

CHAIRS: Judit Csikvari, *Zsork Foundation, Hungary;* **Alberto Mantino**, *Institute of life sciences, School of Advanced Studies Sant'Anna, Italy*

17.10-17.20 **(O4.1_1_60) Hands-on tools for participative development of agroforestry implementation plans: the Agroforestry Planner and the Adaptive Farm Plan methodology as inspiring examples**

Bert Reubens, Marco Bijl, Tom Coussement, Eurídice Leyequíen

17.20-17.30 **(O4.1_2_64) Linking scientific and empirical knowledge: an interactive web app to design agroforestry market gardening systems**

Raphael Paut, Rodolphe Sabatier, Marc Tchamitchian

17.30-17.40 **(O4.1_3_115) Participative formats to promote agroforestry in Germany – insights, challenges, experiences and recommendations**

Rico Hübner, Wolfgang Zehlius-Eckert, Carmen Schulze, Christian Böhm

17.40-17.50 **(O4.1_4_125) Green entrepreneurship and business skills needed for micro-entrepreneurs –case of Estonia**

Marit Piirman, Heli Tooman

17.50-18.10 **Discussion**

4.2 AGROFORESTRY AND RURAL TOURISM - ROOM C

CHAIRS: Antonio Trabucco, *Impacts on Agriculture, Forests and Ecosystem Services Division, Foundation Euro-Mediterranean Center on Climate Change (CMCCItaly;* **Fabien Liagre**, *Research development department, Société coopérative et participative spécialisée en agroforesterie, France*

17.10-17.20 **(O4.2_1_65) Visual appreciation of tree-based intercropping systems by rural residents in Quebec, Canada**

Geneviève Laroche, Gérald Domon, Alain Olivier

17.20-17.30 **(O4.2_2_93) Developing garden tourism and services – case of Garden Pearls Network in Estonia and Latvia**

Marit Piirman, Tatjana Koor, Kandela Õun

17.30-17.40 **(O4.2_3_293) Agroforestry in the mountainous area of Evritania (Greece)**

Vasiliki Lappa, Anastasia Pantera, Andreas Papadopoulos

17.40-17.50 **(O4.2_4_314) Olive trees and iris flowers in Tuscany: an agroforestry system to exploit rural tourism**

Francesca Camilli, Valentina Marchi

17.50-18.10 **Discussion**

1.4 AGROFORESTRY AND THE LANDSCAPE - ROOM D

CHAIRS: Teresa Soarez David, *Instituto nacional de investigaçao agraria e veterinaria, Portugal;* **Andrea Pisanelli**, *National Research Council, Research Institute on Terrestrial Ecosystems, CNR-IRET, Italy*

17.10-17.20 **(O1.4_11_249) The decline of the cork oak growing in Sicily is accompanied by the loss of the functions proper to agroforestry systems**

Emilio Badalamenti, Giovanna Sala, Rafael da Silveira Bueno, Tommaso La Mantia

17.20-17.30 **(O1.4_12_264) Silvopastoralism and potential use in Europe**

Jose Javier Santiago-Freijanes, Francisco Javier Rodríguez-Rigueiro, Vanessa Álvarez-López, Tamara Isabel Franco-Grandas, Nuria Ferreiro-Domínguez, Antonio Rigueiro-Rodríguez, María Rosa Mosquera-Losada

17.30-17.40 **(O1.4_13_289) Innovative beef cattle grazing systems for the restoration of abandoned lands in the Alpine and Mediterranean mountains (iGRAL)**

Giampiero Lombardi, Maria Sitzia, Marcello Verdinelli, Giovanna Seddaiu, Simonetta Bagella, Michele Lonati, Marco Acciaro, Margherita Addis, Luciano Gutierrez, Lorenzo Salis, Stefano Arrizza, Maria Leonarda Fadda, Stefania Bagella, Marco Pittarello, Ginevra Nota, Maria Carmela Caria, Giovanna Piga, Giovanni Rivieccio, Marco Cuboni, Alberto Tanda, Pier Paolo Roggero

17.40-18.00 **Discussion**

18.10 PLENARY SESSION - ROOM A

18.10 **Plenary session IV**

CHAIRS: Patrick Worms, *European Agroforestry Federation, Belgium CIFOR Center for International Forestry Research - ICRAF, World Agroforestry*

Making Agroforestry Mainstream: Lessons on Communicating Agro forestry to the Private Sector

Felipe Villela, *reNature, Founder & CCO, The Netherlands*

18.20 **Closing the second day**

PROGRAMME - 19TH MAY 2021

14.00 PLENARY SESSION - ROOM A

14.00 **Connection**

14.10 **Welcome from the EURAF board**
Claire Lamarié, *European Agroforestry Federation, France;* **Manuel Bertomeu,** *Department of Agricultural and Forestry Engineering, University of Extremadura, Spain*

14.20 **Plenary session V**

CHAIRS: Christian Dupraz, *Inrae, Montpellier, France - IUAF, International Union for Agroforestry*

Biodiversity – productivity – stability relationships in agroforestry systems: from principles to processes and practices

Bart Muys, *Division of Forest, Nature and Landscape, KU Leuven, Belgium*

14.50 PARALLEL SESSION 6

1.1 CLIMATE CHANGE - ROOM A

CHAIRS: Jo Smith, *Mvarc Agroecology Research Centre, Portugal;* **Federico Correale Santacroce**, *Regional Agency for Agriculture, Forestry and Agri-food sectors, Veneto Agricoltura, Italy*

14.50-15.00 **(O1.1_19_177) Temperature regulation: how agroforestry helps climate change mitigation**

Claire Lemarié

15.00-15.10 **(O1.1_21_240) The transformation of agricultural systems into agro-forestry systems as a system of adaptation to climate and economic changes: some Sicilian case studies**

Tommaso La Mantia, Michele Russo, Paola Quatrini, Rafael da Silveira Bueno

15.10-15.20 **(O1.1_22_243) Wheat varieties established under walnut of different ages In Galicia (NW Spain)**

Nuria Ferreiro-Domínguez, Pinilopi Papadopoulus, Antonio Rigueiro-Rodíguez, Maria Rosa Mosquera-Losada

15.20-15.30 **(O1.1_23_244) Variation of soil organic matter in silvopastoral systems established under Pinus sylvsetris L. with celtic pigs in Galicia (Spain)**

Maria Rosa Mosquera-Losada, Antonio Rigueiro-Rodíguez , Antonio Iglesias-Becerra, Nuria Ferreiro-Domínguez

15.30-15.40 **(O1.1_24_259) Drought-shade interactions on winter pea induce carbon source-sink mechanisms that may lead to higher yield stability in a mature alley-cropping system**

Guillaume Blanchet, Mattia Bradley, Jean-François Bourdoncle, Lydie Dufour, Alain Sellier, Grégoire Vincent, Christian Dupraz, Marie Gosme

15.40-16.00 **Discussion**

1.2 ENHANCING ECOSYSTEM SERVICES PROVISION BY AGROFORESTRY SYSTEMS - ROOM B

CHAIRS: Giovanna Seddaiu, *Department of Agricultural Sciences, and De sertification Research Centre, University of Sassari, Italy;* **Rico Huebner**, *Chair for Strategic Landscape Planning and Management, Techncical University of Munich, Germany - German Association for Agroforestry, DEFAF, Germany*

14.50-15.00 **(O1.2_15_272) Ecosystem services assessment, financial performance evaluation, and exploration of opportunities for amplification of agroforestry: learning from a case study in Devon UK**

Rafael Pompa, Martin Lukac, Richard Tranter

15.00-15.10 **(O1.2_16_274) What agroforestry is at the service of the restoration of a Camargue riparian forest? - Case study of the Psalmody riparian forest (Gard – Occitanie)**

Stéphane Person, Laurent Limouzy

15.10-15.20 **(O1.2_17_296) FOOD FOR FOREST – Restorative Silvi-Pastoralism: the Food that Feeds the Forest**

Roberta Berretti, Simone Ravetto Enri, Marco Pittarello, Davide Barberis, Davide Ascoli, Ginevra Nota, Dino Genovese, Paolo Cornale, Giampiero Lombardi, Michele Lonati, Renzo Motta, Luca Maria Battaglini

15.20-15.30 **(O1.2_18_333) How to revitalize abandoned mountain areas? An agro forestry approach for livestock farmers in the alpine region**

Martina Re, Francesca Pisseri, Giorgia Robbiati, Stefano Carlesi, Silvia Baronti, Anita Maienza, Fabrizio Ungaro, Francesco Vaccari, Paolo Barberi

15.30-15.50 **Discussion**

4.1 EDUCATION, INFORMATION SHARING, AND AWARENESS RAISING IN AGROFORESTRY - ROOM C

CHAIRS: Patrick Worms, *European Agroforestry Federation, CIFOR Center for International Forestry Research - ICRAF, World Agroforestry, Belgium;* **Antonio Raschi**, *Institute for the BioEconomy, National Research Council, CNR-IBE, Italy*

14.50-15.00 **(O4.1_6_158) Public-private partnerships for agroforestry investment and adoption in the USA**

Kevin J Wolz, Keefe Keeley, Scott Brainard, Bill Davison

15.00-15.10 **(O4.1_7_168) The participative approach to promote innovations in agroforestry: the AFINET project in Italy**

Claudia Consalvo, Andrea Pisanelli, Giuseppe Russo, Marco Ciolfi, Marco Lauteri, Francesca Chiocchini, Pierluigi Paris

15.10-15.20 **(O4.1_8_184) Linking scientific knowledge to management practices in Agroforestry: the pivotal role of higher education**

Tommaso Anfodillo, Giustino Mezzalira, Anna Panozzo, Teofilo Vamerali

15.20-15.30 **(O4.1_10_217) Paraíba River Basin Agroforestry network: teaching methodology, participatory research and rural extension in Agroecology promotion**

Thiago Ribeiro Coutinho, Antonio Carlos Pries Devide, Maria Teresa Vilela Nogueira Abdo

15.30-15.40 **(O4.1_13_334) The network of AIAF demonstrative farms: the example of the "Casaria" farm**

Giustino Mezzalira,Teofilo Vamerali, Anna Panozzo, Mauro Sangiovanni, Federico Correale Santacroce

15.40-16.00 **Discussion**

16.00 **Coffee break**

16.20 PARALLEL SESSION 7

1.1 CLIMATE CHANGE - ROOM A

CHAIRS: Joana Amaral Paulo, *Centro de Estudos Florestais, Universidade de Lisboa, Portugal;* **Pierluigi Paris**, *Research Institute on Terrestrial Ecosystems, National Research Council, CNR-IRET, Italy*

16.20-16.30 **(O1.1_25_262) Analysis of agroforestry systems productivity compared to afforestation in a climate change context in Galicia**

Francisco Javier Rodríguez-Rigueiro, Nuria Ferreiro-Domínguez, Maria Rosa Mosquera-Losada

16.30-16.40 **(O1.1_26_278) Tree coverage in Sardinian dairy sheep systems: farm characteristics and environmental implications**

Pasquale Arca, Bachisio Arca, Alberto S. Atzori, Antonello Cannas, Salvatore Contini, Delia Cossu, Mauro Decandia, Pierpaolo Duce, Mondina F. Lunesu, Giovanni Molle, Paola Sau, Gabriella M. Serra, Domenico Usai, Enrico Vagnoni, Antonello Franca

16.40-16.50 **(O1.1_27_304) Quantitative assessment of carbon sequestration and oxygen production by oak windbreaks growing in the Forest-Steppe zone of Ukraine**

Vasyl Yukhnovskyi, Vira Moroz, Ihor Ivaniuk

16.50-17.00 **(O1.1_28_330) Variation of yield in varieties of wheat and rye under shade conditions**

Tamara Isabel Franco-Grandas, Nuria Ferreiro-Domínguez, Antonio Rigueiro-Rodríguez, Maria Rosa Mosquera-Losada

17.00-17.10 **(O1.1_29_348) Exploring the potential of coffee agroforestry systems to productivity, adaptation, and mitigation: a system typology approach**

Leonel Lara-Estrada

17.10-17.30 **Discussion**

3.3 MANAGING MEDITERRANEAN AGRO-SILVOPASTORAL SYSTEMS - ROOM B

CHAIRS: Adolfo Rosati, *Council for Agricultural Research and Economics (CREA), Research Centre for Olive, Fruit and Citrus Crops, Italy;* **Claire Lemarié**, *European Agroforestry Federation, France*

16.20-16.30 **(O3.3_10_29) Maremmana breed, woodland menvironment and cattle behaviour**

Jacopo Goracci, Francesco Tiezzi, Alessio Del Tongo

16.30-16.40 **(O3.3_11_212) Simulating the effect of light availability reduction on grass and legume swards in a Mediterranean rainfed plot trial**

Lorenzo Gabriele Tramacere, Alberto Mantino, Iride Volpi, Massimo Sbrana, Marco Mazzoncini, Alice Cappucci, Marcello Mele, Giorgio Ragaglini, Daniele Antichi

16.40-16.50 **(O3.3_12_233) Olive grove and livestock: Project on pasture management schemes for dry sheep**

Francesca Pisseri, Stefano Spinelli, Michelangelo Benza, Nicola Furlanetto, Miriam Iacurto, Virginia Altavilla

16.50-17.00 **(O3.3_14_301) Grazed orchards in France: different forms of livestock integration and their implications for fruit growers' practices**

Arnaud Dufils, Raphaël Paut

17.00-17.10 **(O3.3_15_352) Observations on a livestock cattle system in a Mediter ranean mountain pasture**

Marco Acciaro, Carla Cabboi, Gianni Battacone

17.10-17.30 **Discussion**

3.2 AGROFORESTRY INNOVATIONS TOWARD INNOVATIVE AGROFORESTRY SYSTEMS - ROOM C

CHAIRS: Judit Csikvari, *Zsork Foundation, Hungary;* **Antonio Raschi**, *Institute for the BioEconomy, National Research Council, CNR-IBE, Italy*

16.20-16.30 **(O3.2_12_41) Integrating the dynamics of soil erosion under agroforestry systems in process based dynamic crop models: challenges and the way forward**

Habib-ur-Rahman, Thomas Gaiser, Hella Ellen Ahrends

16.30-16.40 **(O3.2_13_47) Agroforestry: New perspectives for water conservation/ development and regional added value in rural economy**

Camilla Bentkamp, Zaira Ambu, Frank Wagener, Dr. Andreas Stowasser, Lars Stratmann, Tabea Gerhardt, Peter Heck

16.40-16.50 **(O3.2_16_119) Above ground dendromass of black locust (Robinia pseudoacacia L.) in alley cropping systems**

Veronika Honfy, Attila Borovics, János Rásó, Zsolt Keserű

15.20-15.30 **(O3.2_18_205) Productivity of a soybean-sorghum two-year crop rotation in an innovative poplar short rotation coppice silvoarable system**

Alberto Mantino, Giovanni Pecchioni, Iride Volpi, Simona Bosco, Federico Dragoni, Cristiano Tozzini, Fabio Taccini, Marcello Mele, Giorgio Ragaglini

16.50-17.10 **Discussion**

18.00 PLENARY SESSION - ROOM A

Round Table - ROOM A

18.00 **Agroforestry: the future of nature-based farming?**

CHAIRS: Patrick Worms, *European Agroforestry Federation, CIFOR Center for International Forestry Research - ICRAF, World Agroforestry, Belgium*
PK Nair, *University of Florida, Gainesville, USA*
Dennis Garrity, *CGIAR, EverGreen Agricolture*
Christian Dupraz, *INRA-Montpellier, France, Int. Union of Agroforestry*
Giuseppe Scarascia Mugnozza, *Silviculture and Urban Forestry, University of Tuscia, Italy*
Peter Minang, *World Agroforestry Centre (ICRAF), Kenya (to be confirmed)*

Abstract Overview

Abstract Plenary Session

1. AGROFORESTRY, ECOSYSTEM SERVICES, LANDSCAPE AND RURAL DEVELOPMENT

1.1 Climate Change (Adaptation and Mitigation)

ORAL

O1.1_15_98 *Ink disease threaten Castanea sativa in agroforestry systems in Sardinia (Italy): prevention and control strategies*

O1.1_19_177 *Temperature regulation: how agroforestry helps climate change mitigation*

O1.1_21_240 *The transformation of agricultural systems into agro-forestry systems as a mechanism of adaptation to climate and economic changes: some Sicilian case studies*

O1.1_22_243 *Wheat varieties established under walnut of different ages in Galicia (NW Spain)*

O1.1_23_244 *Variation of soil organic matter in silvopastoral systems established under Pinus sylvestris L. with celtic pigs in Galicia (Spain)*

O1.1_24_259 *Drought-shade interactions on winter pea induce carbon source-sink mechanisms that may lead to higher yield stability in a mature alley-cropping system*

O1.1_25_262 *Analysis of agroforestry systems productivity compared to afforestation in a climate change context in Galicia*

O1.1_26_278 *Tree coverage in Sardinian dairy sheep systems: farm characteristics and environmental implications*

O1.1_27_304 *Quantitative assessment of carbon sequestration and oxygen production by oak windbreaks growing in the Forest-Steppe zone of Ukraine*

O1.1_28_330 *Variation of yield in varieties of wheat and rye under shade conditions*

O1.1_29_348 *Exploring the potential of coffee agroforestry systems to productivity, adaptation, and mitigation: a system typology approach*

POSTER

P1.1_1_24 *Expansion of cashew in the post-forest zone of Côte d'Ivoire: between reconversion strategies and crop diversification in a context of land saturation and ecological change*

P1.1_3_50 *Seasonal trend of carbon fluxes under different light intensity in a Sardinian cork oak wooded pasture*

P1.1_4_51 *The potential contribution from tagasaste (Chamaecytisus proliferus var. palmensis) to Sardinian farming systems: an agroforestry approach*

P1.1_5_73 *AGROMIX – AGROforestry and MIXed farming systems – Participatory research to drive the transition to a resilient and efficient land use in Europe*

P1.1_6_75 *Agroforestry Use of Almond in Lebanon: Potential and Development*

P1.1_7_117 *Do agroforestry systems and landscape features of non-production function influence the temperature regime in the landscape? Case study Šardice (South Moravia, Czech Republic) – preliminary results*

P1.1_8_131 *Life cycle analysis in a comparative study according to the size of extensive sheep farms in dehesas agroforestry systems.*

P1.1_9_157 *Shading effect on crop yields in intercropped systems of walnut and agricultural crops*

P1.1_10_163 *Biochar and new forest plantations: winning combination for soil Carbon preservation and sequestration*

P1.1_12_247 *Organic carbon in the soil of agroforestry system, Atlantic forest remnant and other land use systems*

P1.1_13_266 *Carbon sequestration in agroforestry system under different managements.*

P1.1_14_300 *Endogenous silvicultural / fruit-growing agroforestry practices, food crops and reforestation around Togodo-sud National Park in Togo to fight against climate change*

P1.1_15_316 *The role of shrub and tree encroachment in abandoned subalpine grasslands: a case study in Aosta Valley*

P1.1_16_321 *Climate protection and production of biomass through agroforestry in Germany*

P1.1_17_331 *Mértola, Laboratory for the future – agroecological transition as a bottom-up response to climate change in Mediterranean semiarid conditions*

P1.1_18_357 *Silvipastoral systems improving beef cattle welfare*

P1.1_19_358 *Vaginal temperature as a predictor of thermoregulation on Nellore heifers under agrosilvopastoral systems*

P1.1_20_359 *Infrared thermography for microclimate measurements on agroforestry systems*

P1.1_21_501 *Potential Constraint of Rainfall Availability on the Establishment and Expansion of Agroforestry in the Joe Gqabi, Alfred Nzo and OR Tambo Districts, Eastern Cape in South Africa*

P1.1_22_514 *Crop responses to climate changes are species dependent in agroforestry systems in Northern France*

P1.1_23_517 *Development and application on ash (Fraxinus excelsior) of a methodology to measure the quantitative and qualitative intake of ruminants for heterogeneous woody fodder.*

P1.1_24_519 *Transpiration decrease in shaded hazelnuts: a green light for experimenting new orchard structures.*

P1.1_25_521 *Semi-extensive agrosilvopastoral system as low-carbon livestock strategy: a case study on beef meat in Tuscany*

P1.1_26_522 *Identification of a group of woody species having an interesting forage profile and able to develop in Auvergne over the second half of the 21st century*

P1.1_27_527 *Successional agroforestry in a temperate climate – establishment of a diverse agroforestry system for practitioners and research in Germany*

P1.1_18_146 *PASTORALP project: expected impacts of climate change on future distribution and development of alpine grasslands and wooded pastures*

1.2 Enhancing Ecosystem Services Provision by Agroforestry Systems

ORAL

O1.2_1_38 *Land sharing or land sparing for trees within upland agricultural land use in Wales, what's the way forward for rebalancing ecosystem services?*

O1.2_2_49 *Can temperate agroforestry systems contribute to Sustainable Intensification of agriculture?*

O1.2_3_88 *Balancing demand and supply of land-based services in agroforestry systems*

O1.2_4_100 *Assessing the influence of silvopastoral practices on the provision of ecosystem services in grazed woodlands: a Delphi survey on Spanish Mediterranean mid-mountain areas*

O1.2_5_302 *The hidden land conservation benefits of olive-based (Olea europaea L.) landscapes: An agroforestry investigation in the southern Mediterranean (Calabria region, Italy)*

O1.2_6_339 *Plant diversity and ecosystem services of silvopastoral Mediterranean agroforestry systems*

O1.2_8_34 *Distribution and nutrient content of poplar fine roots in an agroforestry crop alley in Northern Germany*

O1.2_10_101 *Defining research priorities in complex Agroforestry systems*

O1.2_11_111 *Studies on the diversity of the bacterial community associated with symbiosis between Tuber borchii and Quercus ilex in different Sardinian forest*

O1.2_13_248 *Study of residual effects of sewage sludge application in a silvopastoral system on soil bacterial communities using a high-throughput sequencing technology*

O1.2_15_272 *Ecosystem services assessment, financial performance evaluation and an exploration of opportunities for amplification of agroforestry: learning from a case study in Devon UK*

O1.2_16_274 *What agroforestry at the service of the restoration of a Camargue riparian forest? – Case study of the Psalmody riparian forest (Gard – Occitanie)*

O1.2_17_296 *FOOD FOR FOREST – Restorative Silvi-Pastoralism: the Food that Feed*

O1.2_18_333 *How to revitalize abandoned mountain areas? An agroforestry approach for livestock farmers in the alpine region*

POSTER

P1.2_1_1 *The use of biochar in agroforestal soil management strengthens the retention of water and nutrients in the semiarid valleys of the Bolivian Andes*

P1.2_3_28 *Regenerating Villa Fortuna (RVF) – An experimental Mediterranean complex agroforestry system*

P1.2_4_66 *Assessing natural pest regulation in forest gardens, a path to sustainability*

P1.2_5_76 *The use of cork in the thermoregulation of the hive: an innovation attempt to enhance non-wood products and beekeeping in Mediterranean forests*

P1.2_6_116 *Evaluation of urban impact and river self-purification processes in rural areas by discriminant analysis. The case study of Scano Montiferro: annual monitoring of the main chemical and microbiological parameters*

P1.2_7_123 *Transformation of a farm into agroforestry system*

P1.2_8_179 *The potential of economically successful innovative food and nonfood systems in limiting soil erosion by wind across EU regions*

P1.2_9_231 *Agroforestry livestock as a garrison of the Apennine territory. The project of the farm "Le Granaie"*

P1.2_10_241 *Environmental benefits and current scenario of agroforestry systems in the Brazilian Atlantic Forest*

P1.2_11_242 *Forest fragmentation analysis as the basis for agroforestry systems implementation*

P1.2_12_252 *Geophysical survey of tree root zones in different production systems on agricultural land*

P1.2_13_329 *Agroforestry in the CAP: an analysis of RDP support in Italy*

P1.2_14_355 *Resp'Haies, a national project in France to study the resilience and performances of agroforestry farms with hedges*

P1.2_16_361 *Cork Oak landscapes of Sardinia: cultural values in evolving rural economy*

P1.2_18_520 *ROBUST: Agroforestry – a sustainable agricultural system for plant and milk production in northern temperate climate*

P1.2_19_523 *Hybrid walnut wood quantity and quality: Agroforestry vs. Forestry systems.*

P1.2_20_524 *Restoring shrub-encroached alpine grasslands using agro-silvopastoral management practices*

P1.2_21_525 *Let's get comparable – a standardized soil sampling design for agroforestry systems in Germany*

P1.2_22_526 *Crop yield, soil conditions and functional agrobiodiversity in temperate arable alley cropping fields throughout the first decade after tree establishment*

P1.2_14_267 *Spread wooded riparian buffer areas can increase significantly the phyto-depuration service*

1.3 Agroforestry, Biodiversity, and Wildlife Management

ORAL

O1.3_1_7 *Higher biodiversity and pollination service in temperate agroforestry than in monoculture*

O1.3_2_15 *Characterization and management of Russian olive accessions in Gilgit-Baltistan, northern Pakistan*

O1.3_3_36 *Ecosystem services in short rotation coppice in agricultural land in Latvia*

O1.3_4_59 *Woodlands and hedgerows of the Po plain: planning instruments and policies implications on biodiversity conservation*

O1.3_5_99 *The effects of tree species composition on soil-related biodiversity in shelterbelts*

O1.3_6_220 *Conserving threatened beneficial insects: bees, wasps and hoverflies in UK silvoarable systems*

O1.3_7_283 *Tree rows change the soil biodiversity abundance and repartition within the first year of plantation at an experimental agroforestry site in Ramecourt (Northern France)*

O1.3_9_257 *Phytosociology of Weeds in agroforestry system managements*

O1.3_10_297 *Agroforestry as on-farm conservation strategy for Virola surinamensis, an endangered Amazonian species*

O1.3_11_322 *Practicing sustainable agroforestry for biodiversity conservation and sustained livelihood option for tribal in Jharkhand (India)*

POSTER

P1.3_1_21 *Conservation of the macedonian oak (Quercus trojana) and monitoring Great Capricorn Beetle (Cerambxy cerdo) in Murgia Materana Regional Park*

P1.3_2_53 *What creatures are there in my agroforestry hedge?*

P1.3_3_263 *Weeds inventory in agroforestry system managements*

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