



## Agroforestry for high value tree systems: dissemination of results and recommendations

Project name	AGFORWARD (613520)
Work-package	3: Agroforestry for High Value Tree Systems
Deliverable	Milestone 13 (3.6): Agroforestry High Value Tree Systems: dissemination of results and recommendations
Date of report	12 February 2018
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AGFORWARD (Grant Agreement N° 613520) is co-funded by the European Commission, Directorate General for Research & Innovation, within the 7th Framework Programme of RTD. The views and opinions expressed in this report are purely those of the writers and may not in any circumstances be regarded as stating an official position of the European Commission.

## 1 Context

The AGFORWARD research project (January 2014 - December 2017), funded by the European Commission, is promoting agroforestry practices in Europe that will advance sustainable rural development. The project has four objectives:

1. to understand the context and extent of agroforestry in Europe,
2. to identify, develop and field-test innovations (through participatory research) to improve the benefits and viability of agroforestry systems in Europe,
3. to evaluate innovative agroforestry designs and practices at a field-, farm- and landscape scale, and
4. to promote the wider adoption of appropriate agroforestry systems in Europe through policy development and dissemination.

This report contributes to Objective 2. It provides evidence of the dissemination of the results and recommendations arising from the Agroforestry for High Value Tree systems group.

## 2 Dissemination of results

There were nine stakeholder groups within the participatory research and development network for high value tree systems (Table 1). As described in Deliverable 3.8 (Pantera et al. 2018), the systems can be categorised into four types: i) agroforestry with high value trees, ii) olive and orchard groves, iii) grazed orchards and iv) hedgerow trees. The recent dissemination activities of the first three categories are described in turn.

Table 1. The nine stakeholder groups can be categorised into four categories

Category	Name of group	Lead organisation(s)
High value trees for timber	Silvopastoral management of Mediterranean timber plantations	University of Extremadura
	Chestnut agroforestry in Galicia, Spain	University of Santiago de Compostela
Olive and orchard groves	Intercropping and grazing of olive orchards in Italy	Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria (CREA)
	Intercropping of olive groves in Greece	TEI Stereas Elladas
	Intercropping of orange groves in Greece	TEI Stereas Elladas
Grazed orchards	Grazed orchards in France	Assemblée Permanente des Chambres d'Agriculture (APCA)
	Grazed orchards in England and Wales	Cranfield University
	Grazed orchards in Northern Ireland	Agri Food and Biosciences Institute (AFBI)
Hedgerow trees	Bordure trees in France	Association Française d'Agroforesterie (AFAF) and the Institut pour le Développement Forestier (IDF)

### 3 High value timber systems

#### 3.1 Spanish stakeholder group for Mediterranean agroforestry

The team at the University of Extremadura (UEX) have undertaken a range of activities to promote and disseminate the results among stakeholders. Many of these activities are result of the joint effort of AGFORWARD and MOSAICO projects, both led by UNEX team. These activities are listed in listed in Table 2 in Section 8 and those with a high number of attendees are highlighted below.

On 12 April 2017, the University of Extremadura and people from Hoyos municipality (northern Extremadura) launched the Association for Chestnut forests of Hoyos, with 35 attendees (Figure 1a). The association will manage 300 hectares of old-growth and burnt chestnut forest to create open chestnut crops (intermixed with other species) in the more productive sites, timber forests and plant microreserves. More than 60% of the chestnut area in the municipality is already included in the land managed by the Association.



Figure 1. The University of Extremadura led workshops of a) 12 April 2017, b) 16 June 2017 and c) 19 December 2017

On 16 June 2017 an intensive course on small-scale agroforestry, taught by the expert Dr. José Carlos Santana, was attended by 25 students in Acebo (Sierra de Gata, northern Extremadura) (Figure 1b). A field trip was also conducted through the 30 ha farm of Carlos Donoso, a farmer with a 30 year experience on organic fruit production.

On 19 December 2017 a workshop on non-timber forest products in rural areas, attended by 15 people was held at Descargamaría (northern Extremadura) (Figure 1c). Presentations on mushrooms, gum rockrose products, pine nuts and other NWFPs were given to show alternative sources of income in pine forests.

### 3.2. Dissemination by the Galicia (NW Spain) group

The team of the University of Santiago de Compostela (USC) (Galicia, NW Spain) has participated in different activities to disseminate the results among stakeholders. Some of these activities are the result of the joint work of AGFORWARD and AFINET (Agroforestry Innovation Networks) projects, as USC is the coordinator of the AFINET project which aims to foster the exchange and the knowledge transfer between scientists and practitioners in the agroforestry. The main dissemination activities carried out by the USC during 2016 and 2017 are indicated in the Table 2 of this report.

The results obtained in the Galician experiments were presented to a wide range of stakeholders, including farmers, researchers and company representatives at a final workshop organised at the University of Santiago de Compostela, Lugo on 19 July 2017 (Figure 2). During the workshop Rosa Mosquera-Losada presented results that showed: i) the damage caused by Celtic pigs to protected and unprotected chestnut trees, ii) the inoculation of an adult chestnut stand with mushroom (*Boletus edulis*) and ii) the production and testing of grafted and self-rooted plants of selected varieties of chestnut trees. Many of the participants in the workshop showed interest in the establishment of this type of agroforestry practices in their farms due its economic and environmental potential compared with the separate agricultural and forest systems.

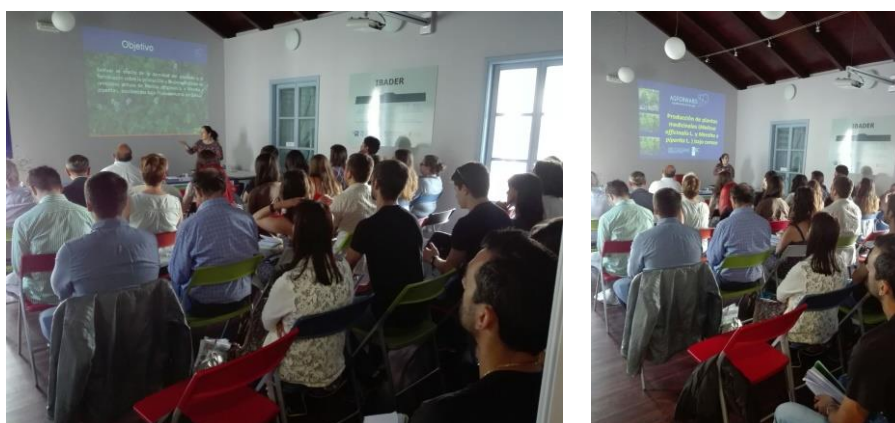


Figure 2. Rosa Mosquera-Losada presenting the results from the Galicia experiments at a workshop organised in the University of Santiago de Compostela, Lugo, in North West Spain



## 4 Olive and orange systems

### 4.1 Dissemination by the Italian CREA group

CREA organised a visit by 33 participants to Bachetoni farm which rears chickens and grows asparagus in the olive orchard. The farm has now expanded the number of housing units for chickens in the olive orchard (Figure 3). At the DiFilippo farm (winery), geese weed and fertilize the vineyard, while producing meat and eggs, which are then sold at the farm (Figure 4). At the same DiFilippo farm, horses are used to till the soil in the vineyard, in place of tractors. Horses also pull carriages to take visitors around the farm, providing additional income opportunities and advertising for the farm.



Figure 3 Participants in the Bachetoni farm



Figure 4. Geese amongst the vines at the DiFilippo farm

## 4.2 Dissemination by the Greek stakeholder groups

Results from the agroforestry of high nature and cultural value stakeholder groups have been presented at a variety of events (Table 2).

### 4.2.1 Website/social media

Results of the Greek group were presented in the AGROF MM stakeholders training course that took place in the village of Skourtou, Aetoloakarnania (Xeromero forest). The announcement was repeated by many Internet blogs (Figure 5a). The Greek group also participated in the valonia oak festival in the island of Kea (Aegean Sea) announced by the Municipality of Kea (Figure 5b).

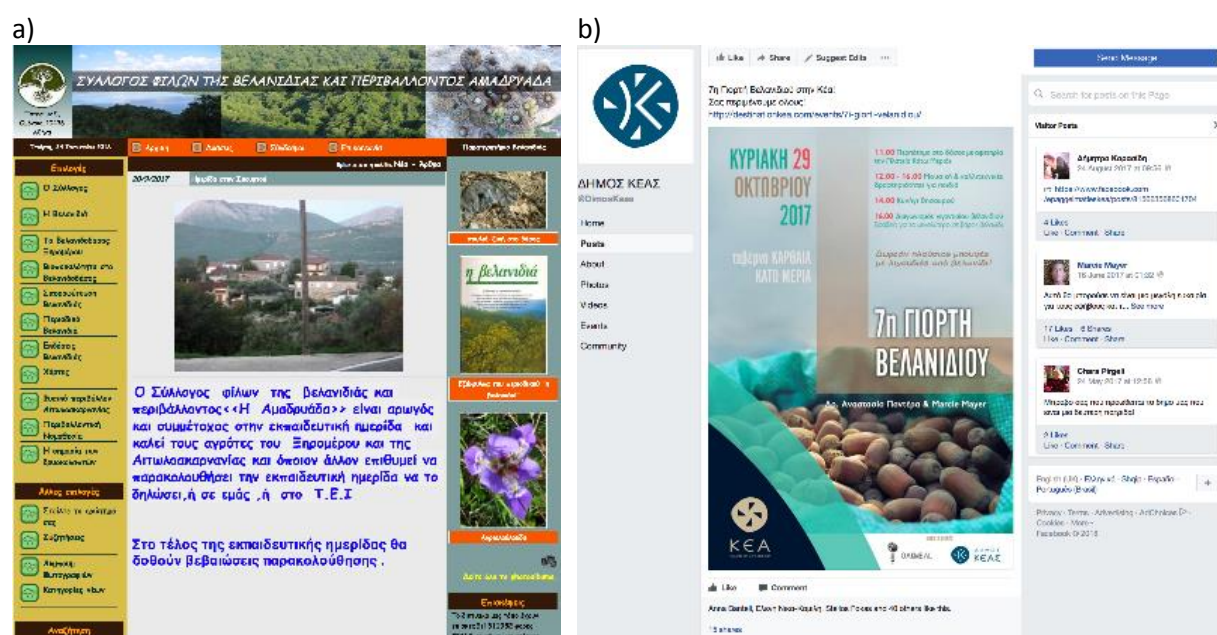


Figure 5. a) Web announcement of the meeting in Skourtou, Aetoloakarnania (Xeromero forest) and b) announcement in facebook of the valonia oak festival co-organized by the Municipality of Kea

### 4.2.2 Oral presentations

Two oral presentations took place to promote and disseminate the results. Some of these activities are result of the joint effort of AGFORWARD and AGROF MM projects. The full set of activities is described in Table A in the Annex, and those with a high of attendees are highlighted below. On 3 October 2017, Anastasia Pantera presented some of the results from work-package 3 at a stakeholders meeting organized under the framework of the AGROF MM project (Figure 6). In the same meeting, Konstantinos Mantzanas also presented some of the opportunities within the EU Common Agricultural Policy.

Anastasia Pantera also presented some of our results from work-package 3 in the form of a research article entitled: High Value Tree Agroforestry Systems in Europe at the 1<sup>st</sup> Agroecology conference (<http://www.agroecology-europe.org/international-conference-workshop-agroecology-25-27-october-2017-lyon-france/>) that took place in the city of Lyon, France.



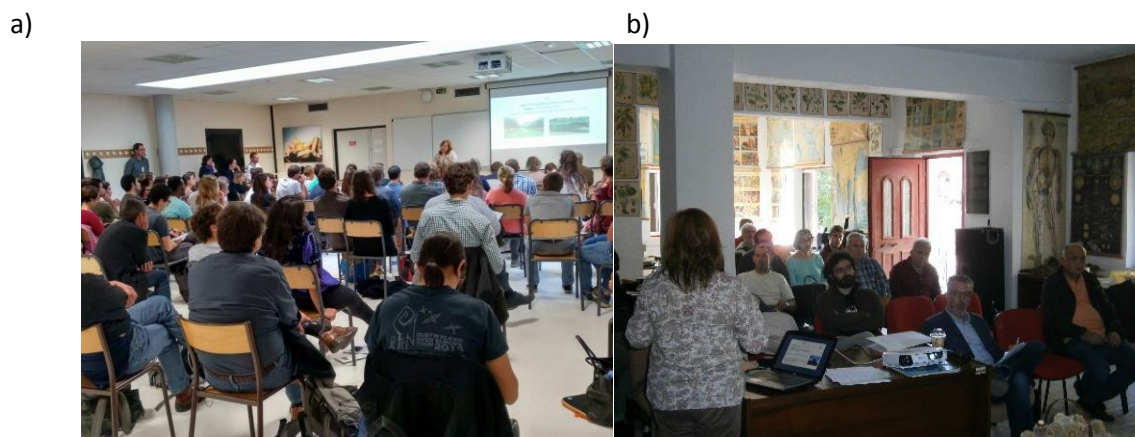


Figure 6. Anastasia Pantera presentation in a) Lyon, France and b) Skourtou, Aetoloakarnania (Xeromero forest)

#### 4.2.3 Poster presentations

Anastasia Pantera, presented some of the results from work-package 3, and specifically two research articles entitled “Agroforestry for High Value Tree Systems: System Descriptions” at the “Protection and Restoration of the Environment XIII” International Conference (<http://pre13.civil.auth.gr/>). This was held from 3 to 8 July 2016 at Mykonos in Greece.

#### 4.2.4 Field visits

Anastasia Pantera also presented results during the Seventh annual acorn festival (<http://www.oakmeal.com/news/radio-interview-about-the-acorn-festival-29102017>) organised by an “oakmeal” company and the Municipality of Kea (Figure 7).



Figure 7. a) Anastasia Pantera at the valonia oak festival and b) many local stakeholders and visitors attended the presentation of Anastasia Pantera during the valonia oak festival

On 28 December 2017, Anastasia Pantera visited Molos, Central Greece where she informed local stakeholders about the work-package 3 results (Figure 8a). Team members Andreas Papadopoulos, Konstantinos Mantzanas and Dimitrios Koutsoulis also organised a similar meeting in Chalkidiki in Central Macedonia (Figure 8b).

a)



b)



Figure 8. a) During a stakeholders meeting that was organised under WP3, our team had the opportunity to inform the attendants on the results from WP2 and WP4, and b) the team members in Chalkidiki.



## 5 Grazed orchard system

### 5.1 Dissemination by the French group

On 21 March 2017, the Chamber of Agriculture of Normandy and the partners organized stakeholder meeting devoted to grazed orchards and the conversion of cider orchards in organic farming to destination of producers. Jean and Marie-Hélène Lefauchaux welcomed a group of about 40 people on their farm in Saint Quentin des Prés in the Oise (Figure 9).



Figure 9. Visitors at the grazed orchard near Saint Quentin des Prés in the Oise

For the past ten years, the orchard has been grazed by Suffolk Texel crossbred sheep (Figure 10). In 2016, J. and M-H. Lefauchaux undertook the conversion of the orchards to the organic farming because all of their practices were already very close to the organic farming.



Figure 10. Texel sheep crossed Suffolk in cider orchard in the Oise, April 2017

Jean Lefauchaux explained his interest in the system as including simplified grass management: one single rotary mowing before harvest; elimination of diseased apples; the use of nitrogen from faeces, quality grass under the trees, and two revenues from the same area. He noted that the presence of the flock was compatible with the low doses of copper used. The trampling of the sheep also prevents the establishment of voles and this supports the healthy development of the lines of trees.

Case study 1: The first case study refers to a combined field production and cider producing business in Seine-Maritime. The business produces and sells a range of apple products including cider, pommel, Calvados, and juice. The orchard is 9.5 ha, half of which is in low-stemmed M106 apple trees (800 trees/ha) with the other half in high-stem Franc apple trees (100 trees/ha). A flock of Shropshire sheep graze the orchard and the lambs are sold. This breed of sheep was chosen for its hardiness and its “compatibility” with the orchard since they are reluctant to eat the bark. Sheep are put in the orchards from March (after lambing) to December and then return indoors. The orchards are divided into several parcels on which the grazing is done in rotation. The presence of sheep in the low-stem orchard raises the “apple production height” by about one metre; there is no production on the lower branches. The main benefit for the producer is to limit the number of mowing passages, reduce apple scab (less leaf litter on the ground), and voles (rodents in sharp decline since the sheep were introduced). No sheep mortality has been observed and the copper doses used are low. From an economic point of view, sheep farming is less significant than the economics of the apple production.

Case study 2: The second case study refers to a producer in the Oise area who sells his production under contract. The orchard is 55 ha, in low-stem trees (700 to 1000 trees/ha). Before planting the orchards, the farm was in sheep production for many years and obtained many medals thanks to its breeding. Currently, the flock includes 500 Texel cross-bred Suffolk sheep. Grazing occurs all year except during the lambing period (February-March) which takes place indoors. Sheep are introduced to young orchards when the trees are five years old and can withstand rubbing by the sheep. The flock is split into two groups of about 500 animals after lambing, and distributed over two different plots. The orchard is rotated every ten days to reduce damage to the trees. The rotation is easily achieved with two sheep dogs, taking about half an hour to move the flock from one plot to another. Sheep must be removed from the plot three weeks before harvest of the apples (a constraint set by the manufacturer). A condition of the success of this approach has been very good surveillance of the flock and the growth of the grass. Thus, with the first signs that the grass requires resting, the producer must move the sheep to a different plot. There are many advantages, including: reduction of grass height before harvest, very high quality grass under the trees, and absence of molehills which greatly facilitate mechanical harvesting. Most importantly, there is multifunctional use of the land for both apple and lamb production. Low applications of copper to the apple trees have not been a problem for the sheep. In 2017, the producer used his flock to reduce frost damage to the apple trees by grouping 500 animals on a 3 ha area of orchard.

## 5.2 Dissemination by the England and Wales group

Paul Burgess and Silvestre Garcia de Jalon visited the grazed orchards managed by Toby Lovell and Harvey Clay in Herefordshire on 16 March 2017 to initiate an intensive period of research on the economics of grazed orchards. The work involved four graduate students from Cranfield University who worked on the project full-time for 10 weeks, with guidance from Paul, Anil, and Silvestre. A poster and a presentation regarding the work were presented to an audience of about 40 people at Cranfield University on 4 May 2017.

On 22 June 2017, Cranfield University also hosted the UK Agroforestry 2017 Conference. This was arranged with the Royal Forestry Society, the Soil Association, and the Woodland Trust. The conference was attended by 250 participants of whom about 100 were farmers and foresters. The conference included discussions and presentations on a range of themes. Although there was not a specific presentation on grazed orchards, the conference did focus on the benefits of trees for livestock. On 4 January 2018, Paul Burgess presented the results of the work to a larger audience in the “Trees: improving the lives of livestock” workshop at the Oxford Real Farming Conference.

## 5.3 Dissemination by the Northern Ireland group

Jim McAdam presented a poster entitled “Grazing in silvopasture and fruit orchards” when the Agricultural History Society of Ireland visited the grazed orchards at AFBi Loughgall to discuss the EU AGFORWARD trial on orchard grazing (Figure 11). Dermot Morgan, a prominent apple grower and stakeholder demonstrated his trees as part of an AGFORWARD field visit to growers holdings in Co Armagh, N Ireland.

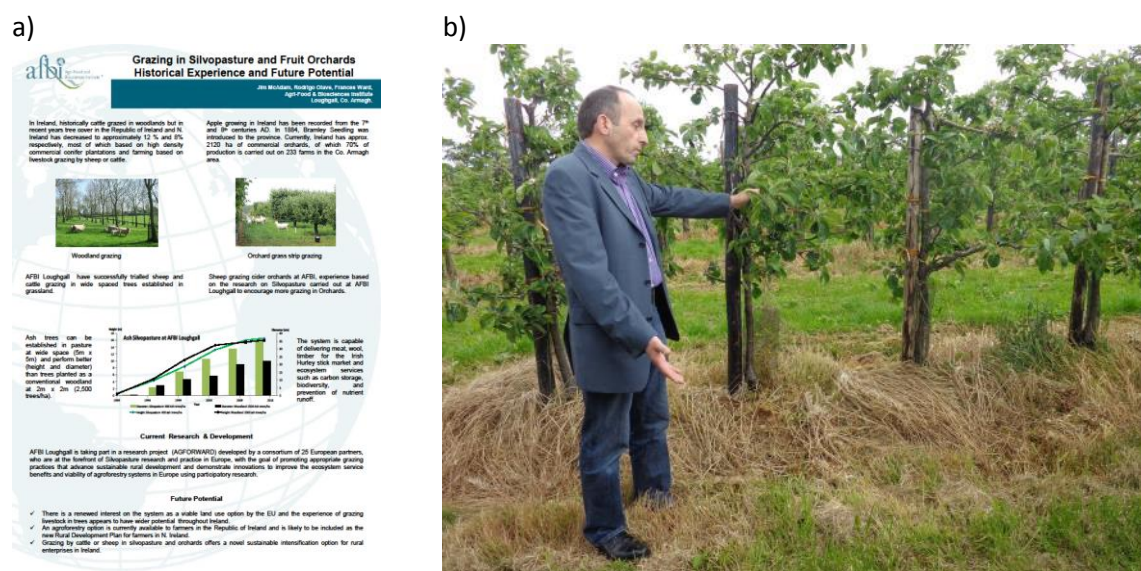


Figure 11. a) Screenshot of the poster presented to the Agricultural History Society of Ireland and b) an AGFORWARD field visit to a stakeholders' holding.



## **6 Acknowledgements**

The AGFORWARD project (Grant Agreement N° 613520) is co-funded by the European Commission, Directorate General for Research & Innovation, within the 7<sup>th</sup> Framework Programme of RTD, Theme 2 – Biotechnologies, Agriculture & Food. The views and opinions expressed in this report are purely those of the writers and may not in any circumstances be regarded as stating an official position of the European Commission. This research was co-financed by the Hellenic Ministry of Education, General Secretariat of Research and Technology.

## **7 Reference**

Pantera, A., Mosquera-Losada, M.R., Burgess, P.J., Graves, A., Ferreiro-Domínguez, F., Corroyer, N., McAdam, J., Rosati, A., López-Díaz, M.L., Mantzanas, K., Moreno, G., Papadopoulos, A., Papanastasis, V., Giannitsopoulos, M. (2018). Agroforestry for high value tree systems: Results of innovations. Deliverable 3.8 for EU FP7 AGFORWARD project 613520. (30 January 2018). 11 pp.

## 8 Tabular summary of some dissemination activities

Table 2. List of the key dissemination activities on the stakeholder results in third reporting period for work-package 4.

Types of audience: SC: scientific community (higher education, research), I: Industry (including farmers); CivS: Civil society; Pol: Policy makers; M: Media, Ed: students and teachers

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
<b>Website/social media</b>								
3	<a href="http://www.velanidodasos.gr/articles/one/201/">http://www.velanidodasos.gr/articles/one/201/</a>	TEI	Information on the presentations that will take place under the AGROF MM ERASMUS+ project and were results from the AGFORWARD were presented	3/10/2017	Skourtou-Aetoloakarnani	Stakeholders	25	Greece
3	<a href="http://www.usc.es/es/index.html">http://www.usc.es/es/index.html</a>	USC	Agroforestry Systems for Europe (AGFORWARD)	On going	Galicia (NW Spain)	SC, I, CivS, M, Ed	>1000	Spain
<b>Conference organisation</b>								
3	National agroforestry conference	CRAN	Agroforestry 2017	22 June 2017	Cranfield UK	I, Sc, CivS, Pol, Mm Ed	250	UK, Ireland
3	Seminar	UNEX	Alternative Tree Crops, co-organized with the Cáceres Provincial Council.	13 November 2017	Perales del Puerto, Extremadura, Spain	CivS, Pol, Ed	120	Spain
3	15 <sup>th</sup> International Conference on Environmental Science and Technology	USC/TEI/EURAF	Organisation of the agroforestry session "Agroforestry and Environment"	31 August - 2 September 2017	Rhodes, Greece	SC, CivS, Ed	>100	International
3	First Agroecology Forum	USC/TEI/EURAF	Organisation of the agroforestry session "Agroecology and Agroforestry"	25-27 October 2017	Lyon, France	SC, CivS, Ed	>100	International

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
<b>Television &amp; Radio</b>								
3	TV program	UNEX	Elaboration for the Extremadura regional television channel of a short film on Landscape mosaics and resilience. Available at: <a href="http://www.canalextramadura.es/alacarta/tv/videos/fuera-de-tiempo-020617">http://www.canalextramadura.es/alacarta/tv/videos/fuera-de-tiempo-020617</a>	02 Jun 2017	Canal Extremadura	General Audience	~ 200000	Spain (Region of Extremadura)
3	Radio	USC	Radio interview to María Rosa Mosquera-Losada about the agroforestry practices and the forest fires in Galicia	October 2017	COPE/SER	General Audience	>1000	Spain
<b>Oral presentations</b>								
3	Oral presentation to a scientific event	USC	María Rosa Mosquera-Losada. Amazing grazing in periods of drought. Presentation at 67 <sup>th</sup> Annual Meeting of the European Federation of Animal Science, Belfast, UK	29 Aug - 2 Sept 2016	Belfast, UK	SC	100	International
3	Oral presentation to a scientific event	AFBI	McAdam, Jim. Silvopasture is a sustainable option in grassland systems. Paper presented to the European Association of Animal Production Congress. Session 41	1 Sept 2016	Belfast Waterfront Conference Hall	SC	100	International
3	Oral presentation to a scientific event	USC	María Rosa Mosquera-Losada. The innovation in the agroforestry sector: a European perspective. Presentation at Internacional Congress Life ecocitric, Val d'Uixo, Spain	17 Nov 2016	Val d'Uixo, Spain	SC	100	Spain
3	Oral presentation to a scientific event	USC	María Rosa Mosquera-Losada. Production of chestnuts under an agroforestry management in Galicia. Presentation at II Jornada de Arboricultura Forestal, Caldes de Montbui (Barcelona), Spain	29 Nov 2016	Caldes de Montbui (Barcelona), Spain	SC	100	Spain
3	Combined poster and oral presentation	CRAN	"Cost-benefit analyses of two silvopastoral agroforestry practices" poster and presentation at the Cranfield Group Project Exhibition	4 May 2017	Cranfield, UK	SC, Ed, I	40	UK
3	Oral	AFBI	McAdam, Jim. Paper presented at :	24 May 2017	Sheffield Hallam	SC	40	UK, EU



WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
	presentation to a scientific event		Silvopastoral Agroforestry- an option to support delivery of sustainable grassland intensification. Wood Meadows and Wood Pastures Conference, Sheffield		University			
3	Oral presentation to a scientific event	USC	María Rosa Mosquera-Losada. Agroforestry a tool to mitigate climate change. IUFRO-125th Anniversary Congress, Freiburg, Germany	18-22 Sept 2017	Freiburg, Germany	SC	100	International
3	Presentation to stakeholders	TEI	Advantages and disadvantages of agroforestry (in Greek) – organized by the AGROF MM ERASMUS+ project	3 Oct 2017	Skourtou-Aetoloakarnani	Stakeholders	25	Greece
3	Presentation to stakeholders	TEI	The opportunities of the new CAP: cases for the AGFORWARD project	3 Oct 2017	Skourtou-Aetoloakarnani	Stakeholders	25	Greece
3	Oral presentation to a scientific event	USC	María Rosa Mosquera-Losada. Políticas de futuro en los cultivos ecológicos extensivos: prácticas agroforestales. Presentation at Jornadas de innovaciones agroecológicas en cultivos extensivos y legumbres, Valladolid, Spain	5-6 Oct 2017	Valladolid, Spain	SC	100	Spain
3	Oral presentation to a scientific event	USC	María Rosa Mosquera-Losada. Agroforestry and agroecology including woody vegetation in agricultural systems. Presentation at First Agroecology Europe Forum”, Lyon, France	25-27 Oct 2017	Lyon, France	SC	100	International
3	Oral presentation to a dissemination seminar	UNEX	Bertomeu M.. Agroforestry systems and practices: socio-economic and environmental benefits. Presentation at Seminar Alternative Tree Crops	13 Nov 2017	Perales del Puerto, Extremadura, Spain	CivS, Pol, Ed	120	Spain
3	Oral presentation to a scientific event	USC	María Rosa Mosquera-Losada. Silvopastoral systems under chestnut trees. Presentation at BIOCASTANEA, Ponferrada, Spain	16 Nov 2017	Ponferrada, Spain	SC	100	Spain
3	Oral presentation to	AFBI	McAdam, Jim. invited lecture on “Agroforestry, a land use option for	20 Nov 2017	Queens University	SC,Ed	60	UK

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
	a scientific event		sustainable grassland management” to the Systematic Ecology Group Lunchtime Seminar series at Queens University Belfast		Belfast			
3	Oral presentation to a scientific event	AFBI	McAdam, Jim. seminar on Sustainable Grassland Intensification and Agroforestry at the invitation of the Grass and Forage Design Laboratory, College of Animal Life Science, Kangwon National University, S Korea	28 Dec 2017	S Korea	SC;CIVS	20	UK, Canada, Korea, Iran
3	Conference presentation	CRAN	Presentation by Paul Burgess of results within the “Trees: improving the lives of livestock” workshop at the Oxford Real Farming Conference	4 Jan 2018	Oxford, UK	SC, I, CivS, Pol, Mm Ed	150	UK
<b>News articles</b>								
3	Specialist journal	UNEX	Agroforestría: incluyendo plantas y animales en la producción agroecológica <a href="https://www.agroecologia.net/revista-ae-27-agroforesteria/">https://www.agroecologia.net/revista-ae-27-agroforesteria/</a> Agricultura Ecológica 27: 14-15	Spring 2017	Journal of the Spanish Society of Organic farming	SC, I	~ 30000	Spain
3	Specialist journal	USC	Sistemas agroforestales, silvopastoralismo y agroecología <a href="https://www.agroecologia.net/revista-ae-27-agroforesteria/">https://www.agroecologia.net/revista-ae-27-agroforesteria/</a> Agricultura Ecológica 27: 12-13	Spring 2017	Journal of the Spanish Society of Organic farming	SC, I	~ 30000	Spain
3	Specialist journal	USC	Las prácticas agroforestales y la ecología en Europa <a href="https://www.agroecologia.net/revista-ae-27-agroforesteria/">https://www.agroecologia.net/revista-ae-27-agroforesteria/</a> Agricultura Ecológica 27: 48-49	Spring 2017	Journal of the Spanish Society of Organic farming	SC, I	~ 30000	Spain
3	Interview	USC	La Voz de Galicia: Habrá menos leche o costará menos producirla <a href="https://www.lavozdeg Galicia.es/noticia/lemos/2017/06/11/habra-leche-costara-producirla/0003_201706M11C69911.htm">https://www.lavozdeg Galicia.es/noticia/lemos/2017/06/11/habra-leche-costara-producirla/0003_201706M11C69911.htm</a>	11 June 2017	Galicia (NW Spain)	SC, I, CivS, Pol, M, Ed	>1000	Spain

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
3	Interview	USC	Campo Galego: Limpiar el monte con ganado pastando es diez veces más barato que desbrozarlo mecánicamente <a href="http://www.campogalego.com/forestal/limpar-o-monte-con-gando-pacendo-e-dez-veces-mais-barato-que-desbrozalo-mecanicamente/">http://www.campogalego.com/forestal/limpar-o-monte-con-gando-pacendo-e-dez-veces-mais-barato-que-desbrozalo-mecanicamente/</a>	2 Nov 2017	Galicia (NW Spain)	SC, I, CivS, Pol, M, Ed	>1000	Spain
<b>Field visits and workshops</b>								
	Stakeholder meeting	APCA	Grazed orchards	17 Mar 2017	Saint Quentin des Prés (France, Oise)	Farmers, advisors, technicians	40	France
3	Field visit at a training course	UNEX	Field trip through the 30 ha farm of Carlos Donoso, a farmer with a 30 year experience on organic fruit production in the frame of the intensive course on Small-scale agroforestry.	16 June 2017	Acebo, Extremadura, Spain	CivS, Ed	25	Spain
3	Stakeholder meeting	USC	Information on the results of AGFORWARD project	19 July 2017	Lugo, Spain	Farmers, advisors, technicians	30	Spain
3	Workshop	UNEX	Debate co-organized with Bosques Naturales S.A. company about the silvopastoral and silvoarable management of timber plantation, attended by company and local farmers and extension workers	1 Sept 2017	Carpio de Tajo, Toledo, Spain	CivS	12	Spain
3	Stakeholder meeting	CREA (Rosati)	Chickens and asparagus in the olive orchard, geese and soil tillage with horses in the vineyard (Polli e Asparagi nell'Oliveto, Oche nella Vigna, Lavorazioni con Cavalli)	16 Oct 2017	Spoletto, Cannara (PG)	Farmers, advisors, technicians	33	Italy
3	Stakeholder meeting	TEI	Silvopastoral systems in Greece	29 Oct 2017	Kato Meria –Kea island-Cyclades-Aegean	Farmers, advisors, technicians	50	Greece – Dutch – American-German
3	Stakeholders meeting	TEI	Information on the results of AGFORWARD project	7 & 8 Dec 2017	Agrino & Messologi, W. Greece	Forest Service officials	5	Greece



WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
3	Stakeholder meeting	TEI	Information on the results of AGFORWARD project	14 Dec 2017	Sissani, Kozani, Macedonia, Greece	I	10	Greece
3	Stakeholder meeting	TEI	Information on the results of AGFORWARD project	15 Dec 2017	Fokaia, Chalkidiki, Greece	I	10	Greece
3	Workshop	UNEX	Non-timber forest products in rural areas	19 Dec 2017	Cadalso	CivS, Ed	15	Spain
<b>Governance</b>								
3	Cooperation	UNEX	Launching of the Association for Chestnut forests of Hoyos	12 April 2017	Hoyos	CivS	35	Spain
<b>Technology transfer</b>								
3	Design of new agroforestry project	UNEX	Intercropping aromatic plants in almond groves	23 Nov 2017	Acebo, Extremadura, Spain (0.3 ha)	Farmer	4	Spain
3	Design of new agroforestry project	UNEX	Intercropping asparagus in olive groves	23 Nov 2017	Acebo, Extremadura, Spain (0.5 ha)	Farmer	4	Spain
3	Design of new agroforestry project	UNEX	Intercropping blueberries among chestnut trees for fruit production	23 Nov 2017	Gata, Extremadura, Spain (0.25 ha)	Farmer	2	Spain
3	Design of new agroforestry project	UNEX	Intercropping arbutus berries among chestnut trees for fruit production	23 Nov 2017	Villanueva de la Sierra, Extremadura, Spain (2 ha)	Farmer	2	Spain
3	Design of new agroforestry project	UNEX	Diversification of olive grove intermixing chestnut trees for nut production	23 Nov 2017	Gata, Extremadura, Spain (1 ha)	Farmer	2	Spain
3	Design of new agroforestry project	UNEX	Chestnut plantation managed with grazing with sheep for nut production	24 Nov 2017	Villasvuenas de Gata, Extremadura, Spain (1 ha)	Farmer	5	Spain
3	Design of new agroforestry project	UNEX	Improving pasture productivity and quality in olive groves to shift from intensive/chemical management to organic	24 Nov 2017	Villasvuenas de Gata, Extremadura,	Farmer	4	Spain

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
			silvopastoral management with sheep grazing		Spain (0.4 ha)			
3	Design of new agroforestry project	UNEX	Chestnut plantation managed with grazing with sheep for nut production	24 Nov 2017	Villasbuenas de Gata, Extremadura, Spain (1.5 ha)	Farmer	4	Spain
3	Design of new agroforestry project	UNEX	Improving pasture productivity and quality in olive groves to shift from intensive/chemical management to organic silvopastoral management with sheep grazing	24 Nov 2017	Perales del Puerto, Extremadura, Spain (6 ha)	Farmer	5	Spain
3	Design of new agroforestry project	UNEX	Improving pasture productivity and quality in olive groves to shift from intensive/chemical management to organic silvopastoral management with sheep grazing	24 Nov 2017	Villasbuenas de Gata, Extremadura, Spain (2 ha)	Farmer	2	Spain
3	Design of new agroforestry project	UNEX	Chestnut plantation managed with grazing with sheep for nut production	28 Nov 2017	Acebo, Extremadura, Spain (1 ha)	Farmer	3	Spain
3	Design of new agroforestry project	UNEX	Improving pasture productivity and quality in olive groves to shift from intensive/chemical management to organic silvopastoral management with sheep grazing	28 Nov 2017	Valverde del Fresno, Extremadura, Spain (6 ha)	Farmer	3	Spain
3	Design of new agroforestry project	UNEX	Improving pasture productivity and quality in olive groves to shift from intensive/chemical management to organic silvopastoral management with sheep grazing	28 Nov 2017	Cilleros, Extremadura, Spain (6 ha)	Farmer	2	Spain
<b>Flyers</b>								
3	Innovation leaflets	All partners of WP3	Eleven innovation leaflets in English and Greek	December 2017		Farmers	na	international

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
<b>Education</b>								
	Course	UNEX	Small-scale agroforestry	16 June 2017	Acebo	CivS, Ed	25	Spain
3	Higher education	USC	Degree in Forest Engineering/Degree in Agricultural Engineering	2016/2017	Galicia (NW Spain)	Ed	100	Spain
3	Summer course	USC	Nuevas tendencias en restauración de suelos degradados: cultivos energéticos y fitogestión en un modelo de Economía Circular	13-14 July 2017	Vitoria, Spain	ED	50	Spain
<b>Policy development</b>								
3	Policy Development	AFBI	McAdam, J. (2015) Agro-Forestry input on Pg 4 within the CAP Clarification document <a href="https://www.dardni.gov.uk/articles/2014-2020-rural-development-programme">https://www.dardni.gov.uk/articles/2014-2020-rural-development-programme</a> . Online: <a href="https://www.dardni.gov.uk/articles/2014-2020-rural-development-programme">https://www.dardni.gov.uk/articles/2014-2020-rural-development-programme</a>	1 Oct 2015	Department of Agriculture and Rural Affairs, N Ireland. Belfast	PM	6	Northern Ireland
3	Policy into Practice	AFBI	McAdam, Jim. Information and workshop session with CAFRE on <i>Agroforestry</i> at Loughgall for participants who had taken up the Agroforestry policy option in DAERA's Environmental Farming Scheme.	5 Dec 2017	AFBI Loughgall	I;POI	22	Northern Ireland
3	Policy Development	USC	The team of the USC participated in some Civil Dialog Groups of the European Commission (Arable Crops, CAP, Direct Payments and Greening, Environment and Climate Change, Forestry and Cork, Organic Farming and Rural Development)	2016/2017	Belgium, Brussels	SC, I, CivS, Pol	50	International
3	Policy Development	USC	The team of the USC participated in meetings of the EIP-AGRI	2016/2017	Belgium, Brussels	SC, I, CivS, Pol	50	International
3	Policy Development	USC	María Rosa Mosquera-Losada participated in different meetings of the Global Alliance for Climate-Smart Agriculture (GACSA) because she has been named as facilitator of the GACSA	2016/2017	Around Europe	SC, I, CivS, Pol, M, Ed	150	International

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
3	Policy Development	USC	María Rosa Mosquera-Losada participated in different meetings of the Global Research Alliance (GRA) because she is member of the Croplands Research Group <a href="https://globalresearchalliance.org/?s=MOSQUERA">https://globalresearchalliance.org/?s=MOSQUERA</a>	2016/2017	Around Europe	SC, I, CivS, Pol, M, Ed	15	International
3	Policy Development	USC	María Rosa Mosquera-Losada participated in the meetings of the National Rural Network	2016/2017	Madrid, Spain	SC, I, CivS, Pol, M, Ed	40	Spain
3	Policy Development	USC	Rosa participated in two annual meetings of the European Structural and Investment funds (ESIF)	2016/2017	Belgium/Brussels	SC, I, CivS, Pol, M, Ed	100	International
3	Policy Development	USC	María Rosa Mosquera-Losada. How can policy support the uptake of agroforestry in Europe? Presentation at the European Parliament, Brussels, Belgium	29 November 2017	Belgium, Brussels	SC, I, CivS, Pol, M, Ed	Over 80	International
3	Policy Development	TEI	Anastasia Pantera participated in the EIP Focus Group “Forest Practices and Climate Change” where she participated in writing a paper on techniques and practices to manage fire risk including agroforestry	October 2017	Santiago de Compostella, Spain	SC, farmers, experts, Ed	23	International