



Agroforestry for arable farmers: Dissemination of results and recommendations

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1 Context

The AGFORWARD research project (January 2014 - December 2017), funded by the European Commission, promoted agroforestry practices in Europe that will advance sustainable rural development. The project had 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 recommendation arising the agroforestry for arable farmers stakeholder groups.

2 Dissemination of results

Results from the agroforestry for arable farmer's participative research and development network have been presented through a range of events. Details of some of the key workshops and conferences are provided in Table 1. A list of the main web-based activities, conferences, oral presentations, television and radio broadcasts, posters, and field visits is presented in Table 3 in the Annex. Section 3 describes the activities of the groups in Spain, Greece, Germany, the UK, Hungary, and Switzerland.

Table 1. Selected workshops and conferences where AGFORWARD staff have disseminated the results from the agroforestry for arable systems stakeholder groups.

Date	Description
30 Nov –1 Dec 2016	5. Forum Agroforstsysteme, Germany
3–4 Jan 2017	Oxford Real Farming Conference, Oxford, UK
1–2 Feb 2017	Organic Producers Conference, Aston, UK
22 Feb 2017	Soil Association staff training workshop on Agroforestry, Swindon, UK
7–10 May 2017	19 th EGF Symposium, Sardinia, Italy
22 Jun 2017	Agroforestry conference 2017, Cranfield University, UK
27–29 Jun 2017	AFTA Conference, Virginia, USA
28 Jun 2017	Open Day at Allerton Estate, UK
6 Jul 2017	II. Hungarian Agroforestry Forum, Hungary
12 Jul 2017	Wakelyns Agroforestry Open Day, Suffolk UK
19 Jul 2017	Final Stakeholder Meeting at the University of Santiago de Compostela, Spain
31 Aug–2 Sep 2017	15 th International Conference on Environmental Science and Technology, Rhodes, Greece
18–22 Sep 2017	IUFRO-125 th Anniversary Congress, Freiburg, Germany
19 Sep 2017	Agroforestry for Growers Workshop, Tolhurst Organics, Pangbourne UK
25–27 Oct 2017	First Agroecology Forum, Lyon, France
23 Nov 2017	Trees on Farms event, Allerton Estate, UK
25 Nov 2017	Final Stakeholder Meeting in Witzhausen, Germany
13 Dec 2017	Farmer's exchange day in Toulouse, France
14 Dec 2017	Final Stakeholder Meeting at Sisani, Voio, Greece
18 Jan 2018	Final Stakeholder Meeting at Montpellier, France

3 National stakeholder meetings

3.1 Spanish tree plantation silvoarable group

On 13 November 2017, a symposium of alternative crop systems in mountain areas, funded by the government of Cáceres province and co-organized by Cicytex and UNEX, was held at Perales del Puerto for 120 attendees (Figure 1). Ten oral presentations were communicated by expert speakers on chestnut, aromatics, walnut, berries, almond, pistachio, and mixed crops. Different agroforestry alternatives were explored during the symposium.



Figure 1. Presentation at a Symposium of Alternative Crop Systems in Mountain Areas on 13 November 2017

3.2 Spanish Galicia silvoarable group

The results from the Galicia silvoarable experiments were presented at a workshop organised in the University of Santiago de Compostela, Lugo on 19 July 2017 (Figure 2). During the workshop Rosa Mosquera-Losada showed the results obtained in the plots of maize and medicinal plants (*Melissa officinalis* L. and *Mentha piperita* L.) combined with *Prunus avium* L. to a wide range of stakeholders including farmers, researchers and company representatives. Many of the participants in the workshop showed interest in the establishment of this type of agroforestry practice in their farms due its economic and environmental potential compared with the exclusively agricultural systems.



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

3.3 Greek silvoarable group

Results from the agroforestry for arable farmers' stakeholder group were presented at a final conference held on 14 December 2017 in the village of Sisani (Voio), Western Macedonia (Figure 3). The results of the project were presented to farmers with whom the benefits and problems of the intercropping (dry beans - walnut trees and lavender – cherry trees) were discussed. In addition, the future of the local farming system and the new CAP measure 8.2 related to agroforestry establishment were deeply analysed.



Figure 3. Discussion at the stakeholder meeting at Sisani village, Voio Municipality

3.4 French silvoarable group

The final stakeholder meeting of the French silvoarable stakeholder group was linked with a meeting organised by the Chair Agrosys and the mixed technological network AgroforesterieS (in particular Delphine Mézière) on ecosystem services of agroforestry systems. It was held in Montpellier on 18 January 2018 and was attended by 234 participants, mainly agricultural extensionists, researchers, farmers and agricultural students and teachers (Table 2; Figure 4b and c).

Christian Dupraz opened the meeting with a synthesis of the current knowledge about ecosystem services provided by agroforestry systems. He classified ecosystem services in five categories: evident, proven, discussed, hypothetical and improbable. Some of the proven and discussed services were explored during the AGFORWARD project by field experiments and process-based modelling. Dominique Desclaux and Marie Gosme presented the results of the AGFORWARD experiment on crop breeding for agroforestry conditions. The presentation was followed by interesting discussions with the farmers present in the audience, who were surprised by the large yield loss observed in the experiment. The importance of the yield loss was due to the extreme shade conditions that were used to test the varieties for shade tolerance, but the farmers' reactions highlight that communication about agroforestry often emphasizes the benefits of agroforestry systems without stressing that competition for light, water and nutrients will eventually reduce crop yield when trees become large. The farmers and extension workers noted that the experimentation was performed on a limited number of sites and years and that none of the tested varieties performed consistently well under agroforestry conditions.

The results of the weed experiment were presented at another meeting, held on 13 December 2017 in Toulouse, during a farmers' experience sharing day (Figure 4a). Delphine Mézière presented the results from the three French WP4 partners involved in this experiment (Southern, Northern and Western stakeholder groups) with the help of Olivier Guérin (CA Charente-Maritime).

Table 2. Number of participants by stakeholder type

Stakeholders			
Extension worker	42	Researcher	41
Farmer	39	Student	30
Environmental association	15	Teacher	28
Municipality/local government	13	General public	13
Government	6		
Forester/nursery	3		
Landscape manager	2		
Agricultural syndicate	2		

a)



b)



c)



Figure 4. a) Farmer's exchange day in Toulouse on 13 December 2017 and b) Dominique Desclaux and Marie Gosme presenting the AGFORWARD results at c) final stakeholder meeting in Montpellier.

3.5 German silvoarable group

The results from the German silvoarable stakeholder group were presented at a workshop in the city of Witzzenhausen, Germany (Figure 5a). The workshop took place from 24 to 26 November 2017 and was attended by 27 participants from different backgrounds (farmers, scientists, students and craftsmen). It was organised by the *Agforstkampagne*, which is a German association whose main purpose is to promote the use and implementation of agroforestry as a strategy for sustainable agriculture to combat negative effects of climate change. On 25 November, Michael Kanzler from the BTU Cottbus presented the background and structure of the AGFORWARD project, provided an overview of agroforestry in Europe and explained the different agroforestry innovations, which were developed during the project period (Figure 5b). The presented innovation leaflets mainly focused on work package 4 and 2, but also included some other valuable innovations relevant for Central European conditions, which seem to be interesting for practitioners. The preparation, production and content of the leaflets was discussed.

After the presentation, there was a discussion about the methods for estimation of the agroforestry area in Germany reported by Michel den Herder 2017 in WP1. It was concluded that the reported 5700 ha might have been overestimated due to the method of LUCAS (Land Use/Cover Area frame Statistical Survey) dataset. Short rotation coppices and alleys of trees could have been included into the calculation as agroforestry area, due to the existence of sample points. On the other hand the long distance between sample points (2.5-5 km) might have been a reason for excluding small agroforestry areas.



Figure 5. a) Participants at the workshop in Witzzenhausen in Germany (24 to 26 November 2017) and b) AGFORWARD presentation by Michael Kanzler (BTU).

This led to a discussion regarding the reasons for the better uptake of agroforestry in other European countries (for example, in France) compared to Germany. It was presumed that the resistance of administrators towards agroforestry in countries such as France was better counteracted due to pioneering work of dedicated scientists or stakeholders.

A question was related to the Hungarian innovation leaflet where alfalfa was used as bio mulch. The questioner wanted to know about investigations on seepage water quality (nitrate leaching) at the places where bio mulch was applied. Michael Kanzler replied that this is a good starting point for further investigations, but was not the specific task of that project.

Additionally, there was a discussion about alley cropping (which is the main arable agroforestry type) and about its importance for ecological value. The consensus was, that alley cropping systems may be more sustainable compared to open field sites. However, if the tree alleys are established as single rows with long distances between trees in a row and between tree hedgerows, the enrichment in biodiversity is comparatively low.

An important issue related with the management of traditional hedgerow systems was the utilisation of their biomass. Among the challenges were the low profitability of biomass and uncertainties regarding the legal status of trees. Michael explained that the team at BTU is currently working on developing a strategy for using tree biomass while enhancing ecosystem functions, such as habitat provision and landscape aesthetics. The audience was also interested to know more about AGFORWARD follow-up projects and Michael Kanzler told them that some AGFORWARD partners are working on a new project proposal in the context of Horizon 2020 programme.

3.6 United Kingdom silvoarable group

In addition to a number of more general workshops and events (Table 1 and 3), the results from the UK silvoarable stakeholder group trials of innovations were presented at two more focused workshops: the first at the Wakelyns Agroforestry Open Day on 12 July 2017 and the second at an Agroforestry for Growers workshop at Tolhurst Organics on 19 September 2017.

3.6.1 *Wakelyns Agroforestry Open Day on 12 July 2017*

As part of the annual open day at Wakelyns Agroforestry (the host farm for the trials of developing agroforestry-adapted wheat populations), Jo Smith and Martin Wolfe presented the results of the cereal trials and data on productivity of the hazel and willow short rotation coppice to a wide range of stakeholders including farmers and growers, researchers, bakers and food companies (around 35 people) (Figure 6). The flour from the wheat populations is valued extremely highly by the artisan bakers who attended because of its unique texture and flavour. There was also general interest in the potential of incorporating energy production from SRC into arable and horticultural systems.



Figure 6. Martin Wolfe talking to the event participants about the wheat composite cross-populations.

3.6.2 Agroforestry for Growers workshop, Tolhurst Organics, 19 September 2017

Results from the trials of different understorey crops were presented to a group of around 25 farmers and growers in September. As part of a tour of the agroforestry system, Sally Westaway presented an overview of the financial analyses carried out, which suggested that planting high value understorey crops such as spring cut flowers can help off-set the establishment costs of tree planting. Jo Smith then presented some key conclusions from the tree establishment and biodiversity monitoring carried out. As many of the participants are currently at various stages of implementing agroforestry, the information provided was useful in terms of guiding decisions on design and management.

3.7 Swiss silvoarable group

For the Swiss silvoarable group the plan is for the final stakeholder meeting to take place in autumn 2018. In the first five years since the founding of the Swiss Interest Group on agroforestry, the group has mainly concentrated on combinations of arable crops with high-stem fruit trees and nut trees for fruit use (Figure 7). Going forward there is also an interest in new tree species which produce valuable wood, or on cutting techniques that allow the use of both fruit and valuable wood. These are mainly wild fruit species or extensive and old types of fruit trees. The Swiss silvoarable group sees an opportunity for the conservation of agroforestry systems in high-stem border regions, where the fruit use of high-stem trees has taken a back seat in recent decades.



Figure 7. A meeting of the IG Agroforst in Switzerland

The monitoring work of the project has allowed the determination of the carbon growth rates of various agroforestry plots in recent years. We discovered that, depending on nutrient availability, tree species and varieties, there are considerable differences on the plots. Carbon storage on agroforestry fields will become more and more important in the future as part of the necessary climate-related CO₂ storage of arable Land. They see here a relevant thematic focus for future activities and accompanying monitoring in the context of agroforestry developments in Switzerland. In addition, topics are pursued that emerge as major problem areas in arable farming and where agroforestry could offer an adequate approach: increasing nitrate pollution through nutrient leaching, humus loss and humus degradation of soils, general decline in biodiversity and soil loss through erosion. The aim of the IG Agroforst is to increase agroforestry in Switzerland in the next

few years and to support interested farmers in planning and implementation of agroforestry on their farms.

3.8 Hungarian silvorable group

On 3 June 2017, the Day of Wood Pastures and Shepherd's Feast were held in Olaszfalu, Veszprém County, Hungary. In the morning, professional lectures were held within the frame of stakeholder meeting, in which herders, farmers, scientists, representatives of extension services and interested local parties addressed the issue of wooded pastures (Figure 8a). Anna Varga, researcher of the Hungarian Academy of Sciences, started to study local woodland pastures ten years ago. On this holiday, as a professional co-organizer of the program, she led the meeting involving a discussion on the progress in AGFORWARD project and conducted interviews with farmers on how woodland pastures and grazing can be realized in today's conditions. After the discussion the host of the event, Antal Varga invited the participants to take a short tour in the local wood pasture formerly being abandoned area and managed by himself today (Figure 8b). In addition to the stakeholder meeting the event organized included shepherd's trial, performance of traditional shepherd activities, music programs and delicious meals, horse riding and crafts fair with wood pasture products.

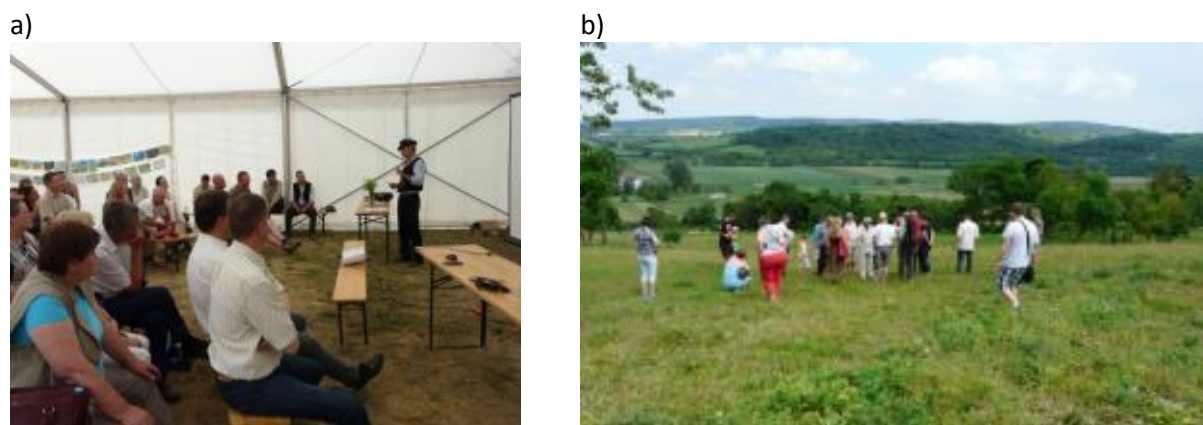


Figure 8. a) Presentation* at the Shepherd's Feast in Olaszfalu, Veszprém County, Hungary and b) Excursion to the local wood pasture at the Shepherd's Feast in Olaszfalu, Veszprém County, Hungary

*A short video about the event is available at: <https://www.youtube.com/watch?v=sfwSnAeK2eA> (Source: Andrea Vityi and Anna Varga)

After the great success of the first Hungarian Agroforestry Forum held in the Hungarian Great Plain, arranged by SoE-KKK in 2014 (<https://www.agforward.eu/index.php/hu/szantofieldi-agroerdeszeti-rendszerek-magyarorszagon.html>), the event has been organised the second time on 6 July 2017. This time, the professional forum was held in Püspökladány (co-organised by NAIK-ERTI and SoE-KKK), where the representatives of the State Secretariat for Rural Development and the national research institutes shared information with stakeholders on the current agroforestry research, educational and farming activities, and the tender opportunities offered by the present in Hungary.

Near to 80 participants – mostly farmers and advisors – were present in the organised one-day meeting (Figure 9). The results of domestic and international agroforestry research realized in the framework of the AGFORWARD project were introduced to the public. Presentations were followed by fruitful discussion and share of stakeholder experiences. The presentations are also available in

Hungarian language online: <http://www.erti.hu/hu/int%C3%A9zet/h%C3%ADrek/703-ii-agr%C3%A1r-erd%C3%A9szeti-f%C3%B3rum>



Figure 9. Presentations at Püspökladány, Hungary.

4 Acknowledgements

The AGFORWARD project (Grant Agreement N° 613520) is co-funded by the European Commission, Directorate General for Research & Innovation, within the 7th 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.

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In addition, a number of abstract were published in the conference proceedings of national and international conferences attended (see Table 3). Other key dissemination activities included website/social media, television and radio, field visits, policy development, technology transfer, and education (Table 3).

6 Tabular summary of some dissemination activities

Table 3. 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
Website/social media								
4	National web site	CRA Hauts de France	Continuation of Hauts-de-France agriculture website: http://www.hautsdefrance.chambres-agriculture.fr/publications/la-publication-en-detail/actualites/biodiversite-en-pratique-laagroforesterie-queelles-influences-sur-les-adventices/	On going	World wide web	SC, I, Pol, M	> 1000	France
2,4	Facebook web site	SoE KKK	Continuation of Fás-Legelő-Erdő / Wood pastures in Hungary site: https://www.facebook.com/faslegeloerdo/posts/662827960556723	On going	World wide web	I, CivS, Pol, M	> 300	Hungary
All	National web site	AGRIDEA	Start of the Swiss agroforestry website: www.agroforst.ch	On going	World wide web	I, CivS, Pol, M	> 1000	Switzerland
All	Mobile application	BTU	Tsonkova P, Böhm C, Agroforestry systems studied by AGFORWARD used as visualization in a mobile application for agroforestry: http://agroforst-info.de/app/	On going	World wide web	I, CivS, Pol, M, Ed	>100	Germany
4	Web site	USC	Agroforestry Systems for Europe (AGFORWARD) http://www.usc.es/es/index.html	On going	World wide web	SC, I, CivS, M, Ed	>1000	Spain
Conference organisation								
4	Organisation of agroforestry session at conference	ORC	Session 'Silvoarable Agroforestry' organised within two day Organic Producers Conference 2017	27–28 May 2017	Aston University, UK	SC, I, Pol, M, Ed	40	United Kingdom
2,4	National agroforestry meeting	SoE KKK (in Co-Organisation with	Organisation of the forum and oral presentation at Hungarian 2 nd National Agroforestry Forum [2. Magyar Agrár-erdészeti Fórum]: Vityi A: Hazai és nemzetközi agroerdészeti kutatások eredményei az	6 Jul 2017	Püspökladány ,HUN	I, Pol, M, SC	150	Hungary

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
		NAIK)	AGFORWARD projektben (National and international research results in AGFORWARD project)					
4	Organisation of agroforestry session at conference	USC/TEI/EURAF	Organisation of the agroforestry session “Agroforestry and Environment” at 15 th International Conference on Environmental Science and Technology	31 Aug – 2 Sep 2017	Rhodes, GRE	SC, CivS, Ed	100	International
4	Organisation of agroforestry session at conference	CNR-IBAF	Parallel Session 08: Agroforestry for Rural Development at XI National Congress of SISEF, Società Italiana di Selvicoltura ed Ecologia Forestale, CNR Roma, Oct. 2017, Chair: Pierluigi Paris, CNR-IBAF Porano (Tr)	12 Oct 2017	Roma, ITA	SC; Pol; Ed	300	Italy
4	Organisation of agroforestry session at conference	USC/TEI/EURAF	Organisation of the agroforestry session “Agroecology and Agroforestry” at First Agroecology Forum	25-27 Oct 2017	Lyon, FRA	SC, CivS, Ed	100	International
4	Organisation of seminar	UNEX	Alternative Tree Crops, co-organized with the Cáceres Provincial Council.	13 Nov 2017	Perales del Puerto, Extremadura, ESP	CivS, Pol, Ed	120	Spain
Television and Radio								
2,4	TV program	SoE KKK	Varga A, Hungarian wood pastures https://www.youtube.com/watch?v=OVeBEYc3tdk	12 Nov 2016	Duna TV	General Audience	> 500 000	Hungary
2,4	Radio program	SoE KKK	Hely A, A Kasztói őstölgyes (Ancient oaks at Kasztó)	21 Jun 2017	Kossuth Rádió	General Audience	> 500 000	Hungary
4	Radio program	USC	Radio interview to María Rosa Mosquera-Losada about the agroforestry practices and the forest fires in Galicia	Oct 2017	COPE/SER	General Audience	>1000	Spain
Oral presentations								
4	Oral presentation to a scientific event	USC	Mosquera-Losada M R, Amazing grazing in periods of drought. Presentation at 67 th Annual Meeting of the European Federation of Animal Science	29 Aug–2 Sep 2016	Belfast, UK	SC	100	International
4	Oral presentation to a scientific event	CNR, IBAF	Paris P, Subsurface Drip Irrigation in Poplar Bioenergy Systems: Biomass Production and	15 Sep 2016	Berlin, GER	SC, Pol	20	Germany

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
			Economic Evaluation in Mediterranean Climate, FAO Int. Poplar Commission (IPC)					
4	Oral presentation to a scientific event	BTU	Kanzler M, Böhm C, Mirck J, Schmitt D, Veste M, Agroforestry land use as a adaption strategy against climate change	28 Sep 2016	Gießen, GER	SC	50	Germany
4	Oral presentation to a scientific event	USC	María Rosa Mosquera-Losada. The innovation in the agroforestry sector: a European perspective. Presentation at International Congress Life ecocitric	16–17 November 2016	Val d`Uixo, ESP	SC	100	Spain
4	Oral presentation to a scientific event	BTU	Mirck J, Kanzler M, Böhm C, Yield performance of an alley cropping system with short rotation coppice hedgerows	1 Dec 2016	Senftenberg, GER	SC; Ed, Pol, M	>120	Germany
4	Oral presentation to teachers	INRA SYSTEM	Mézière D, Research and Development for Agroforestry deployment	15 Dec 2016	Florac, FRA	SC, CivS	35	France
4,5	Oral presentation to a public farming event	ORC	Smith J, What have we learnt from recent research? Presentation in agroforestry session at Oxford Real Farming Conference.	3–4 Jan 2017	Oxford, UK	SC, I, Pol	~70	United Kingdom
2,4	Oral presentation to a Hungarian farmer group	SoE KKK	Kiss-Szigeti Nóra (2017): Az Agrárerdészetről- alapjai, eredete, hazai helyzete, kilátások és kihívások (Agroforestry – history, state-of-the-art, and challenges) University of Sopron at: Zöld Forгатag (Forum of The future of sustainable agriculture in Hungary)	21–22 Mar 2017	Gödöllő, HUN	I, CivS, SC, Ed	250	Hungary
4	Oral presentation to a scientific event	BTU	Mirck J, Böhm C, Kanzler M, Freese D, Poplar and black locust yields from short rotation coppice hedgerows in an alley cropping system.	Sep 2017	Berlin, GER	SC, Pol	150	International
4	Oral presentation to scientific event	INRA SYSTEM & CA	Mézière D & Chevalier C, Weed anagement in alley cropping agroforestry systems. Event "Croisons les regards #2" organized by the French agroforestry network "RMT AgroforesterieS"	7 Sep 2017	Paris, FRA	SC, Ed, I	40	France
4	Oral presentation to a scientific event	USC	Mosquera-Losada M R, Agroforestry a tool to mitigate climate change. IUFRO-125th Anniversary Congress, Freiburg, Germany	18–22 Sep 2017	Freiburg, GER	SC	100	International

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
4	Oral presentation to a scientific event	BTU	Agroforestry utilization strategies to secure agricultural production in the context of increasing urbanization and the consequences of climate change	27 Sep 2017	Witzenhausen ,GER	SC	60	Germany
All	Oral presentation to a scientific event	AGRIDEA	„Upper Rhine cluster for Sustainability Research“ Jäger M, Experience with Agroforestry in Switzerland, University of Freiburg, 3.10.2017	3 Oct 2017	Uni Freiburg, GER	SC, Ed	25	Germany
4	Oral presentation to a scientific event	USC	Mosquera-Losada M R, 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, ESP	SC	100	Spain
4	Oral presentation to a scientific event	CNR, IBAF	Paris P, I paesaggi degli alberi. Una rilettura in chiave agroforestale moderna dei paesaggi rurali tradizionali italiani [The Landscapes of Trees: rivisting traditional rural landscapes with a modern agroforestry approach]	12 Oct 2017	Roma, ITA	SC; Pol; Ed	300	Italy
4	Oral presentation to a scientific event	USC	Mosquera-Losada M R, Agroforestry and agroecology including woody vegetation in agricultural systems. Presentation at First Agroecology Europe Forum, Lyon, France	25–27 Oct 2017	Lyon, FRA	SC	100	International
4,5	Oral presentation to a scientific event	ORC	Smith et al., Improving UK agroforestry: A participatory approach to identifying, developing and field-testing innovations. “Innovative Research for Organic Agriculture 3.0” 19th Organic World Congress, New Delhi, India,	9–11 Nov 2017	New Delhi, IND	SC, I, Pol	50	International
4	Oral presentation at a Seminar	UNEX	Bertomeu M, Agroforestry systems and practices: socio-economic and environmental benefits. Seminar of alternative Tree Crops	13 Nov 2017	Perales del Puerto, Extremadura, ESP	CivS, Pol, Ed	120	Spain
All	Oral presentation to European farmer group	ORC	Smith J, Agroforestry at the Organic Research Centre: Meeting the Challenge of Climate Change. Presentation to IFOAM farmer group.	15 Nov 2017	Lambourne, GBR	I	40	European
All	Oral presentation to	CRAN	Burgess P, Agroforestry in Europe	16 Nov 2017	Alnarp, SWE	SC; Pol;	250	Sweden

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
	a scientific event		Practice, research and policy			Ed		
4	Oral presentation to a scientific event, extension and CivS audience	INRA SYSTEM & CA	Mézière D & Guérin O, Weeds in alley cropping agroforestry systems. Elements for a multifunctional management. Event organised by the French agroforestry association "Afac-Agroforesteries", Toulouse, France.	13 Dec 2017	Toulouse, FRA	SC, CivS	60	France
All	Oral presentation to an education event	AGRIDEA	Module Agroforestry at the Agricultural School in Marcellin	Feb 2017	Marcellin, CH	Ed	20	Switzerland
Poster								
4	Poster	ORC	Smith et al. Developing agroforestry-adapted cereals using an evolutionary plant breeding approach, 3 rd European Agroforestry Conference	23–25 May 2016	Montpellier, FRA	SC, I, Pol	~250	European
4	Poster	BTU	Kanzler M et al. (2016) Einfluss agroforstlicher Nutzung auf das Mikroklima, den Ackerfruchtertrag und die potentielle Evaporation, 5. Forum Agroforstsysteme	30 Nov–1 Dec 2016	Senftenberg, GER	SC; Pol; Ed, M	>120	GER
2,4	Poster	BTU	Tsonkova P, Böhm C (2016) Ein kurzer Überblick über die Entstehung von Gehölzen in der Landschaft, 5. Forum Agroforstsysteme	30 Nov–1 Dec 2016	Senftenberg, GER	SC; Pol; Ed, M	>120	GER
4	Poster	BTU	Werwoll J, Piehl M, Mirck J (2016) Einflüsse der Gehölzstreifen auf die Wüchsigkeit und den Zuckergehalt von Zuckerrüben eines Agroforstsystems, 5. Forum Agroforstsysteme	30 Nov–1 Dec 2016	Senftenberg, GER	SC; Pol; Ed, M	>120	GER
4	Poster	BTU	Quinkenstein A, Carrero Bastos LT, Freese D (2016) Root distribution of black locust trees in an alley cropping system, 5. Forum Agroforstsysteme	30 Nov–1 Dec 2016	Senftenberg, GER	SC; Pol; Ed, M	>120	GER
4	Poster at a scientific event	USC	Ferreiro-Domínguez N, Maize yield in silvoarable systems established under Prunus avium L. in Galicia (NW Spain). Presentation at 19th EGF Symposium, Sardinia, Italy. Prize for Best Poster	7–10 May 2017	Sardinia, ITA	SC	100	International
4	Poster at a scientific event	UNEX	Arenas-Corraliza I, López-Díaz ML, Moreno G. Agroforestry to cope with climate change: intercropping cereal among walnut timber trees. 7th Spanish Forestry Congress	23–30 Jun 2017	Plasencia, ESP	SC	~1000	Spain

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
News articles								
2,4	Specialist journal	UNEX	Agroforestría: incluyendo plantas y animales en la producción agroecológica https://www.agroecologia.net/revista-ae-27-agroforesteria/ Journal of the Spanish Society of Organic farming Agricultura Ecológica 27: 14-15	Spring 2017	Journal of Spanish Society of Organic Farming	I, SC, CivS	~ 30000	Spain
4	Specialist journal	USC	Sistemas agroforestales, silvopastoralismo y agroecología https://www.agroecologia.net/revista-ae-27-agroforesteria/ Journal of the Spanish Society of Organic farming Agricultura Ecológica 27: 12-13	Spring 2017	Journal of Spanish Society of Organic Farming	I, SC, CivS	~ 30000	Spain
4	Specialist journal	USC	Las prácticas agroforestales y la ecología en Europa https://www.agroecologia.net/revista-ae-27-agroforesteria/ Journal of the Spanish Society of Organic farming Agricultura Ecológica 27: 48-49	Spring 2017	Journal of the Spanish Society of Organic farming	I, SC, CivS	~ 30000	Spain
4	Interview	USC	La Voz de Galicia: Habrá menos leche o costará menos producirla https://www.lavozdegalicia.es/noticia/lemos/2017/06/11/habra-leche-costara-producirla/0003_201706M11C69911.htm	11 Jun 2017	Galicia, ESP	SC, I, CivS, Pol, M, Ed	>1000	Spain
4	Interview	USC	Campo Galego: Limpiar el monte con ganado pastando es diez veces más barato que desbrozarlo mecánicamente http://www.campogalego.com/forestal/limpar-o-monte-con-gando-pacendo-e-dez-veces-mais-barato-que-desbrozalo-mecanicamente/	2 Nov 2017	Galicia, ESP	SC, I, CivS, Pol, M, Ed	>1000	Spain
Field visits								
4	Field visit at a scientific event	INRA-SYSTEM	field day on day 5 of EcoSummit international conference	2 Sep 2016	Montpellier, FRA	SC, I	30	International
4	Field visit	INRA-SYSTEM	silvo-arable systems in Restinclières	17–18 Oct 2016	Montpellier, FRA	Ed	20	France

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
All	Field visit	AGRIDEA	Field visit and Foundation of the “Groupe d’Interêt agroforesterie Suisse romande”	7 Mar 2017	Rusy, CH	I, ED, SC	25	Switzerland
All	Field visits	AGRIDEA	Field visits during Swiss Interest Group on agroforestry 2 days course on refining and high value Timber Fruit Tree agroforestry systems.	1–2 May 2017	Frauenfeld, CH	I, ED, SC	20	Switzerland
4	Visits of experimental agroforestry plots	CNR, IBAF	Delegation of researchers from Spain (Bosques Naturales) and Italy (CREA Forestry Research Institute) visited the CNR IBAF experimental plots of walnut under agroforestry managements	3 May 2017	Pornano /Orvieto, ITA	SC; I	10	International
4	Field visit with farmers, researchers and extensionists	INRA-SYSTEM	2-days field visit of agroforestry plots	9–10 May 2017	Montpellier, Maraussan, Molandier, FRA	I, SC	15	Czech Republic
4	Field visit	USC	Field visit with with international students and teachers of an agroforestry course held in Bragança, Portugal: Agroforestry Systems: an inheritance with future. Field trip to the Bosques Naturales plot	2–3 Jun 2017	Galicia, ESP	SC, Ed	30	International
4	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 Jun 2017	Acebo, Extremadura, ESP	CivS, Ed	25	Spain
4	Field visit	INRA-SYSTEM	Field visit by of heads of experimental farms of agricultural schools: Agroforestry in Restinclières	24 Oct 2017	Montpellier, FRA	SC, Ed	15	France
4	Field visit with farmers and researchers	INRA-SYSTEM	Agroforestry in Restinclières (silvoarable plots and agroforestry vineyard) with farmers and researchers involved in LIFE project Montado-Adapt	30 Nov 2017	Montpellier, FRA	I, SC	15	Spain and Portugal
Technology transfer								
All	Technical Leaflet Agroforestry	AGRIDEA	Leaflet in german and french https://agridea.abacuscity.ch/de/A~3048/0~0~Sho p/Agroforstsysteme	15 Jan 2017	Lindau, CH	I, ED, SC, Advisory services	1000	Switzerland
4	Stakeholder meeting	USC	Information on the results of the AGFORWARD	19 Jul 2017	Lugo, ESP	I	30	Spain

WP	Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
			project to farmers, advisors and technicians					
4	Design of new agroforestry project	UNEX	Intercropping peanut among fig trees. Site A at Valverde del Fresno (0.5 ha) and site B at Torre de don Miguel (1.3 ha) were visited	23 Nov 2017	Extremadura, ESP	I	5	Spain
2,4	Stakeholder meeting	CNR, IBAF	Paris P, The AGFORWARD Project. Introducing the AGFORWARD Project to the stakeholders attending the Final Stakeholders Meeting of WP4 in Italy	20 Dec 2017	Oristano, ITA	CivS; P	20	Italy
Education								
4	Practical course	INRA-SYSTEM	Soil profile and root distribution in agroforestry	21 Sep 2016	Montpellier, FRA	Ed	12	France
2,4	Programme for primary schools	SoE KKK, HAS - IEBT	Anna Varga: Ancient trees and wood pastures are wandering to the schools...	2017	Bogyiszló, HUN	Ed	>150	Hungary
All	Course	CNR IBAF	Paris P, Introducing Agroforestry to high school students from the municipalities of Aiken (South Carolina-USA) and Orvieto (Italy)	22 Jun 2017	Orvieto, ITA	CivS; Ed	30	International
4	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, ESP	ED	50	Spain
4	Workshop	UNEX	Debate co-organized with Bosques Naturales S.A. company about the silvopastoral and silvoarable management of timber plantation	1 Sep 2017	Carpio de Tajo, Toledo, ESP	CivS, I	12	Spain
2,4	Education	BTU	Tsonkova P, Böhm C, Introduction of agroforestry and its benefits to soil, water and biodiversity to students from schools in southern Brandenburg.	21 Sep 2017	Cottbus, GER	Ed	50	Germany
4	Workshop	UNEX	Selection of experimental agroforestry farms	29 Sep 2017	Hernán Pérez, ESP	CivS	40	Spain
2,4	Exhibition and art competition	SoE-KKK	BOGYISZLÓI VÁNDORLÓ FÁK (Migratory trees in the wood pasture at Bogyiszló)	Ongoing from 29 Sep 2017	Szaporca, HUN	General audience	>1000	Hungary
4	Course	INRA-SYSTEM	Mézière D & Gosme M, Temperate agroforestry: multispecies systems for more sustainability	18 Oct 2017	Montpellier, FRA	Ed	20	France